

Twelfth Annual Catalog
of
The Municipal University
of Akron

And Fifty-fourth
Annual Catalog
of
Buchtel College

AKRON, OHIO

April, 1925

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UNIVERSITY CALENDAR

1925

- JANUARY 5, MONDAY.....Class work resumed in all departments
- JANUARY 16, FRIDAY.....Celebration of Founder's Day (January 18)
- JANUARY 19 TO 24.....Classification for second semester, all departments except Co-operative Engineering and Commerce
- JANUARY 23 AND 24.....Registration and classification of new students
FRIDAY, SATURDAY for second semester
- JANUARY 24, SATURDAY.....Registration and classification for Evening Ses-
2:00-5:00 and 7:00-9:00 p. m. sion for second semester
- JANUARY 26 TO 31.....Final Examinations
- JANUARY 30, FRIDAY.....Entrance Examinations
- FEBRUARY 2, MONDAY.....Class work began for Evening Session
- FEBRUARY 4, WEDNESDAY.....Second semester began for all day sessions ex-
cept Co-operative Engineering and Commerce
- FEBRUARY 2, MONDAY.....Classification for Co-operative Engineering and
Commerce students, Section I.
- FEBRUARY 24, TUESDAY.....Classification for Co-operative Engineering and
Commerce students, Section II
- APRIL 4, SATURDAY.....Easter Recess begins
12:00-12:00 p. m.
- APRIL 13, MONDAY.....Class work resumed
- MAY 21, THURSDAY.....Student Elections
- MAY 29, FRIDAY.....Tree Day
- MAY 30, SATURDAY.....Memorial Day—a holiday
- JUNE 8 TO 13.....Final Examinations
- JUNE 12, FRIDAY.....Evening Session closes
- JUNE 14, SUNDAY.....Baccalaureate Exercises
- JUNE 16, TUESDAY.....Commencement
- JUNE 17, WEDNESDAY.....Entrance Examinations
- JUNE 22 TO JULY 31.....Summer Session in Teachers College
- JUNE 22 TO AUGUST 15.....Summer Session in College of Engineering and
Commerce

UNIVERSITY OF AKRON

- JULY 1, WEDNESDAY**..... Practical work begins in College of Engineering and Commerce for prospective students
- JULY 15, WEDNESDAY**..... Registration and classification begins for fall semester for new resident students in
 Buchtel College of Liberal Arts
 Curtis School of Home Economics
 Teachers College
 Also for any students desiring to enroll in the Evening Session and Saturday courses
- SEPTEMBER 1, TUESDAY**..... Registration and Classification of non-resident students begins
- SEPTEMBER 8 AND 9**..... Entrance Examinations
- SEPTEMBER 11 AND 12**..... Final registration and classification of new students
FRIDAY, 9:00 a. m. to 5:00 p. m.
SATURDAY, 8:00 a. m. to 12:00 m.
- SEPTEMBER 12, SATURDAY**..... Registration and classification for Evening Session
2:00-5:00 and 7:00-9:00 p. m.
- SEPTEMBER 14, MONDAY**..... Registration and classification for College of Engineering and Commerce (Section I for Co-operative students)
- SEPTEMBER 14 AND 15**..... Registration and classification for upper classmen in
 Buchtel College of Liberal Arts
 Curtis School of Home Economics
 Teachers College
 Commerce Department (full-time seniors)
- SEPTEMBER 15, TUESDAY**..... Class work begins for Co-operative students in College of Engineering and Commerce (Section I)
- SEPTEMBER 16, WEDNESDAY**..... Class work begins for students in
 Buchtel College of Liberal Arts
 Curtis School of Home Economics
 Teachers College
 Commerce Department (full-time seniors)
- SEPTEMBER 24, THURSDAY**..... Freshman Elections
- OCTOBER 5, MONDAY**..... Registration and classification for College of Engineering and Commerce (Section II for Co-operative students)
- OCTOBER 6, TUESDAY**..... Class work begins for Co-operative students (Section II)
- NOVEMBER 26, 27, 28**..... Thanksgiving Recess
THURSDAY, FRIDAY AND SATURDAY
- DECEMBER 19, SATURDAY**..... Christmas vacation begins for all departments
12:00 m.

1926

- JANUARY 4, MONDAY.....Class work resumed in all departments
- JANUARY 15, FRIDAY.....Celebration of Founder's Day (January 18)
- JANUARY 11 TO 16.....Classification for second semester, all departments except Co-operative Engineering and Commerce
- JANUARY 22 AND 23.....Registration and classification of new students
FRIDAY AND SATURDAY for second semester
- JANUARY 23, SATURDAY.....Registration and classification for Evening Ses-
2:00-5:00 and 7:00-9:00 p. m. sion for second semester
- JANUARY 25 TO 30.....Final Examinations
- JANUARY 29, FRIDAY.....Entrance Examinations
- FEBRUARY 1, MONDAY.....Class work begins for Evening Session
Classification for Co-operative students in Col-
lege of Engineering and Commerce (Sec-
tion I)
- FEBRUARY 3, WEDNESDAY.....Second semester begins for all departments ex-
cept Co-operative Engineering and Commerce
- FEBRUARY 22, MONDAY.....Washington's Birthday—a holiday
- FEBRUARY 23, TUESDAY.....Classification for Co-operative Engineering and
Commerce students (Section II)
- MARCH 27, SATURDAY.....Easter Recess begins
12:00 m.
- APRIL 5, MONDAY.....Class work resumed
- MAY 20, THURSDAY.....Student Elections
- MAY 28, FRIDAY.....Tree Day
- JUNE 7 TO 12.....Final Examinations
- JUNE 11, FRIDAY.....Evening Session closes
- JUNE 13, SUNDAY.....Baccalaureate Exercises
- JUNE 15, TUESDAY.....Commencement
- JUNE 16, WEDNESDAY.....Classification for Co-operative Engineering and
Commerce students (Section I) for summer
session
- JULY 19, MONDAY.....Classification for Co-operative Engineering and
Commerce students (Section II) for summer
session

UNIVERSITY OF AKRON

BOARD OF DIRECTORS

JOHN W. THOMAS.....	Term expires 1926
J. GRANT HYDE.....	Term expires 1926
B. A. POLSKY.....	Term expires 1926
P. W. LITCHFIELD.....	Term expires 1928
WILLIAM H. EAGER.....	Term expires 1928
CLYDE F. BEERY.....	Term expires 1928
FRANK M. COOKE.....	Term expires 1930
MRS. CHARLES W. AVERELL.....	Term expires 1930
JAMES B. PERGRIN.....	Term expires 1930

OFFICERS FOR 1925

F. M. COOKE	<i>Chairman</i>
C. R. OLIN	<i>Clerk</i>

COMMITTEES FOR 1925

<i>Committee on Finance:</i> POLSKY, BEERY, PERGRIN.
<i>Committee on Investments:</i> COOKE, HYDE, AVERELL.
<i>Committee on Buildings and Grounds:</i> THOMAS, LITCHFIELD, EAGER.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

PARKE R. KOLBE, Ph. D.....	<i>President of the University</i>
CHARLES R. OLIN, M. S.....	<i>Secretary of the University</i>
GLADYS P. WEEKS.....	<i>Registrar</i>
OSCAR E. OLIN, LL. D.....	<i>Vice-President of the Faculty</i>
H. V. EGBERT, A. M.....	<i>Secretary of the Faculty</i>
ALBERT I. SPANTON, A. M.....	<i>Dean of Buchtel College of Liberal Arts</i>
FRED E. AYER, C. E.....	
.....	<i>Dean of the College of Engineering and Commerce</i>
SARAH E. STIMMEL, B. S.....	<i>Director of the School of Home Economics</i>
W. J. BANKES, A. M.....	
.....	<i>Dean of Teachers College and Director of Summer Session</i>
ELIZABETH A. THOMPSON, A. M.....	<i>Dean of Women</i>
FREDERICK S. SEFTON, B. S.....	<i>Physical Director</i>
RENA B. FINDLEY.....	<i>Librarian</i>
H. E. SIMMONS, M. S.....	<i>Director of Evening Session</i>
ULYSSES S. VANCE, A. B.....	<i>University Editor</i>
R. H. SCHMIDT, A. M.....	<i>Chairman, Committee on Entrance</i>
EDITH GRACE CRAY, A. B.....	<i>Alumni Secretary</i>

GENERAL FACULTY AND OFFICERS OF INSTRUCTION
1924-1925

PARKE R. KOLBE, A. B., A. M., Ph. D.....President's House
President of the University

PROFESSORS

FRED. E. AYER, C. E.....Tallmadge, Ohio
Professor of Civil Engineering
Dean of College of Engineering and Commerce

WALTER J. BANKES, A. M.....355 Pioneer Street
Dean of Teachers College
Director of Summer Session

*CHARLES L. BULGER, Ph. B., A. M., Ph. D.....74 Mayfield Avenue
Hilton Professor of Modern Languages

JAMES W. COLEMAN, B. S.....91 Jewett Street
Acting Director of Physical Education

EARL W. CRECRAFT, Ph. B., A. M., Ph. D...688 East Buchtel Avenue
Professor of Political Science and Economics

FRANCESCO B. DELBONE, Mus. D.....197 West Market Street
Director of Music

ROSS C. DURST, C. E.....Cuyahoga Falls, Ohio
Professor of Civil Engineering

HERMAS V. EGBERT, A. B., A. M.....440 East Buchtel Avenue
Professor of Mathematics

GEORGE L. HAYES, LL. B., M. Ed., Ph. D.....348 N. Firestone Blvd.
Professor of Education

FRED F. HOUSEHOLDER, B. A., M. A.....1209 Berwyn Street
Professor of Physics

JOHN L. JONES, Ph. B., A. M., Ph. D.....Cuyahoga Falls, Ohio
Ainsworth Professor of Mathematics

CHARLES M. KNIGHT, A. B., A. M., Sc. D.....583 Weber Avenue
Professor Emeritus of Chemistry

LAWRENCE M. McDERMOTT, A. B., A. M.....26 N. Adams Street
Professor of Commerce and Business Administration

THOMAS L. McJOYNT, LL. B., B. C. S.....Barberton, Ohio
Professor of Co-ordination

CHARLES R. OLIN, B. S., M. S.....421 Spicer Street
Secretary of the University

OSCAR E. OLIN, A. M., LL. D.....75 Nebraska Street
Messenger Professor of Philosophy and Sociology
Vice-President of the Faculty

*On leave of absence first semester 1924-1925

UNIVERSITY OF AKRON

- RAYMOND B. PEASE, A. B., A. M., Ph. D.....840 Chalker Street
Professor of English
- AMON B. PLOWMAN, B. S., A. M., Ph. D.....346 Crown Street
Professor of Biology
- JOSEPH C. ROCKWELL, A. B., A. M., Ph. D.....58 Casterton Avenue
Professor of Latin and Greek
- *FREDERICK S. SEFTON, B. S.....1101 Jefferson Avenue
Director of Physical Education
- HEZZLETON E. SIMMONS, B. S., M. S.....331 Beechwood Drive
Buchtel Professor of Chemistry
Director of Evening Session
- ALBERT I. SPANTON, A. B., A. M.....407 Vine Street
Pierce Professor of English
Dean of Buchtel College of Liberal Arts
- SARAH E. STIMMEL, B. S.....63 Kuder Avenue
Director of Curtis School of Home Economics
- ELIZABETH A. THOMPSON, A. M.....109 South Forge Street
Professor of History
Dean of Women
- WILLIAM L. TYDINGS, Captain, Infantry, U. S. A.....
.....947 Bloomfield Avenue
Professor of Military Science and Tactics
- JOHN T. WALTHER, B. S. in E. E.....384 Reed Avenue
Professor of Electrical Engineering

ASSISTANT PROFESSORS

- JOHN W. BULGER, B. C. E.....Canton, Ohio
Assistant Professor of Civil Engineering
- FRANK D. CLARK, B. S., M. E.....283 East Buchtel Avenue
Assistant Professor of Mechanical Engineering
- KENTON P. COOLEY, First Lieutenant, U. S. A.....264 W. Market St.
Assistant Professor of Military Science and Tactics
- WILLIAM LLOYD DAVIS, Ph. B., Ph. D.....100 Hamilton Avenue
Assistant Professor of Economics
- Prof. FRED S. GRIFFIN, M. E.....157 Marvin Avenue
Assistant Professor of Mechanical Engineering
- WALTER C. KRAATZ, A. B., A. M., Ph. D.....383 Kling Street
Assistant Professor of Biology
- EMERY L. KUHNES, B. S., M. Pd., Ph. D.....748 W. Market St.
Assistant Professor of Education
- KATHARINE M. REED, A. B., A. M.....900 Elmore Avenue
Assistant Professor of Romance Languages

*On leave of absence 1924-1925

Apr. 1925
Bulletin

CHARLES R. SMITH, A. B., First Lieutenant, U. S. A.....
264 West Market Street
Assistant Professor of Military Science and Tactics
RICHARD H. SCHMIDT, A. B., A. M.....985 Peerless Avenue
Assistant Professor of Chemistry

INSTRUCTORS

DAVID E. ANDERSON, A. B., M. S.....Cuyahoga Falls, Ohio
Instructor in Chemistry
ROBERT J. ANDERSON, B. S. in E. E.....1256 W. Lexington Avenue
Instructor in Electrical Engineering
MRS. JANE S. BARNHARDT.....30 North Union Street
Instructor in Art
JACQUES BREITENBUCHER, A. B.....82 Fir Street
Instructor in Romance Languages
ALFRED E. BISHOP, B. S.....160 College Street
Assistant in Bureau of City Tests
JOHN M. DAVIES, B. S., M. S.....892 Courtland Avenue
Instructor in Physics
ROLLAND D. FOX, B. S., M. S.....395 Doyle Street
Instructor in Biology
DONFRED H. GARDNER, A. B., A. M.....University Club
Instructor in History
WALTER A. GILMOUR, B. S. in C. E.....861 Aberdeen Street
Instructor in Co-ordination
FRANK A. GRISMER, A. B., A. M.....226 West Center Street
Instructor in English
CHARLES A. HALLENBECK, A. B., A. M.....Cuyahoga Falls, Ohio
Instructor in Political Science
FLORA G. HOOVER, A. B.....38 South Adolph Avenue
Instructor in Education
WILL H. LIPSCOMBE, B. S.....212 LaSalle Apartment
Instructor in Mathematics
CARITA MCEBRIGHT, A. B.....396 East Market Street
Instructor in Speech
ORVILLE J. MARSH, A. B.....199 Elwood Street
Instructor in Commerce and Administration
HENRY METZGER, Master Sergeant, Retired, Infantry, U. S. A.
816 Ruth Avenue
Instructor in Military Science and Tactics
MARJORIE MITCHELL, A. B., A. M.....297 East Buchtel Avenue
Instructor in English
WILLIAM A. MOORE, A. B., A. M.....511 Ritchie Avenue
Instructor in Chemistry

CLAUDE M. NEWLIN, A. B., A. M.	1163 Berwyn Street
<i>Instructor in English</i>	
CHARLES W. PORTER, A. B.	802 West Exchange Street
<i>Instructor in Commerce and Business Administration</i>	
LAWRENCE D. RICKER	536 Vine Street
<i>Instructor in Physical Education</i>	
MABEL JANE ROGERS, A. B., A. M.	22 North Adams Street
<i>Instructor in Romance Languages</i>	
ERNEST F. SCHAEFER, B. E. M.	520 Storer Avenue
<i>Director of Bureau of City Tests</i>	
<i>Instructor in Metallurgy</i>	
CHESTER H. SMITH, A. B.	465 Briarwood Drive
<i>Instructor in Physical Education</i>	
RITA E. STINSON, B. S.	23 South Balch Street
<i>Instructor in Home Economics</i>	
HENRI TAILLIART	Kenmore, Ohio
<i>Instructor in Modern Languages</i>	
ULYSSES S. VANCE, JR., A. B.	509 Crosby Street
<i>Instructor in English and Journalism</i>	
<i>University Editor</i>	

PART-TIME INSTRUCTORS AND ASSISTANTS

DONALD C. DARRAH, B. S.	194 Spicer Street
<i>Graduate Assistant in Biology</i>	
SARAH E. DUNCKLEY, B. S.	390 Berry Avenue
<i>Physical Instructor for Women</i>	
ROSALIND FREEDLANDER, B. S., A. B., A. M.	840 Elmore Avenue
<i>Instructor in English</i>	
SARAH A. HOWELL, A. B.	Woman's City Club
<i>Instructor in Social Case Work</i>	
MRS. ANNIE L. MACKINNON	418 Vine Street
<i>Instructor in Story Telling</i>	
MRS. E. L. KUHNES	748 West Market Street
<i>Instructor in Kindergarten Music</i>	
I. B. WALTZ	316 Torrey Street
<i>Instructor in Bookkeeping and Accounting (Evening Session)</i>	
GEORGE F. WEBER	999 West Exchange Street
<i>Instructor in Debating</i>	
D. A. HORN	
<i>Instructor in Cost Accounting (Evening Session)</i>	
E. L. MARTING	107 Corson Avenue
<i>Instructor in Business and Real Estate (Evening Session)</i>	
GORDON COOK	121 South Fir Street
<i>Instructor in Advertising (Evening Session)</i>	

REGISTRAR'S STAFF

GLADYS P. WEEKS.....248 South Balch Street
Registrar
 LOUISE POPE, A. B.....592 West Market Street
Assistant Registrar

LIBRARY STAFF

RENA B. FINDLEY.....32 South Adolph Avenue
Librarian
 JOSEPHINE A. CUSHMAN, Ph. B., B. L. S.....517 Crosby Street
Associate Librarian
Instructor in Library Science
 MARY SHUMAN, A. B.....558 Gage Street
Assistant Librarian

PUBLIC SCHOOL OFFICERS AND TEACHERS CO-OPERATING WITH
TEACHERS COLLEGE

OLIVE G. CARSON.....*Kindergarten-Primary Supervisor*
Instructor in Primary Methods
 J. C. CHENOT, A. B.....*Principal of Observation School*
Instructor in Education
 PRISCILLA DACKERMAN.....*Director of Music at West High School*
Instructor in Public School Music
 A. J. DILLEHAY.....*Principal of Robinson School*
Instructor in Auditorium Education
 NELLIE L. GLOVER.....*Supervisor of Music*
 O. C. HATTON, A. B.....*Principal of Observation School*
Instructor in Education
 M. E. HAWK, M. S.....*Principal of East High School*
Instructor in Education
 MRS. AGATHA S. HOWES.....*Director of Kindergarten Courses*
 HORACE M. JELLISON, B. E.....*Instructor in Vocational Education*
Instructor in Education
 FRANK D. MCELROY, A. B.....*Assistant Superintendent of Schools*
Instructor in High School Methods
 FLOYD L. SIMMONS, M. S.....*Principal of East High School*
Instructor in Tests and Measurements
 HUGH SMITH, A. B.....*Principal of North High School*
Instructor in Methods
 R. H. WATERHOUSE.....*Director of Vocational Education*
Instructor in Education
 CARL E. STAHL.....*Instructor in Vocational Education*
Instructor in Education

CRITIC TEACHERS

LOIS BABB, Ph. B.	High School English
E. D. BATES, A. M.	High School Mathematics
RUTH J. BRADLEY	High School English
MRS. RUTH WILSON BRICE	High School English
BERTHA GUGLER	First and Second Grades
H. M. HORST	High School History and Civics
HELEN KELLEY	Second and Third Grades
A. D. LADD, Ph. B.	High School History
LOUISE NAUMER	Art
INEZ PARSHALL, A. B.	High School English
BLANCHE MAE PEASE	Third and Fourth Grades
MRS. GRACE RICHARDSON, B. S., B. Ped.	Latin
ADAH SMETTS, Ph. B.	Latin
MARIE WEILBRENNER, A. B.	Spanish
FRANCES M. HOOK, A. B.	Spanish
MRS. ILDA BOSWORTH SMITH, A. B.	Fifth and Sixth Grades

FELLOWS IN CHEMISTRY

HARRY W. HOWARD, B. S.	Illinois College, Jacksonville, Ill.
LOWELL B. CRAMER, B. S.	Cornell College, Mount Vernon, Iowa
HOMER Z. THORN, '25	

STUDENT ASSISTANTS

JACQUES BREITENBUCHER	Bureau of City Tests
HARRY MAHONEY	Bureau of City Tests
KARL R. WENDT	Bureau of City Tests
DOROTHY CADDEN	Business Administration
EUGENE DENNING	English
ESTHER DUNFORD	English
RAYMOND VAN EVERA ELLSWORTH	English
EULALIA FRAMPTON	English
HELEN JOHNSON	English
DOROTHY KUENZLI	English
KATHLEEN MASTERTSON	English
NELLIE MILLER	English
ELEANOR OLMSTEAD	English
LULU SMITH	English
RUTH SUPOWIT	English
DORA NICE HARPER	History
FREDERIC EASTMAN	Library
ETHEL KLAHRE	Library
B. H. LARABEE	Library
FLOYD MAJOR	Library

HAROLD MONG	<i>Library</i>
SARAH WILKINSON	<i>Library</i>
RALPH DICKERHOOF	<i>Military Science and Tactics</i>
ROSE KOLTNOW	<i>Military Science and Tactics</i>
HAROLD MINNICH	<i>Military Science and Tactics</i>
HOWARD I. CRAMER	<i>Multigraph</i>
ROY BOETTLER	<i>Physics</i>
DOROTHY SHREVE	<i>Political Science</i>
IRENE BEAR	<i>Romance Language</i>
RUTH BROWN	<i>Romance Language</i>
MARGARET FANNING	<i>Romance Language</i>
EMMA SPIKER	<i>Romance Language</i>
AUDRA TENNEY	<i>Romance Language</i>
CELIA SAPP	<i>Registrar's Office</i>
JULIA RAHNER	<i>Registrar's Office</i>
ESTELLE BLAKE	<i>Registrar's Office</i>
VIRGINIA ADAMS	<i>Teachers College</i>
LILLIAN BRENNER	<i>Teachers College</i>
DOROTHY KLINE	<i>Teachers College</i>
CAROLINE MOORE FROEBE	<i>Teachers College</i>
DOROTHY LANIGAN	<i>Teachers College</i>
RUTH PALMER	<i>Teachers College</i>
LEILA RIBLETT	<i>Teachers College</i>
MILDRED ROBERTS	<i>Teachers College</i>
LOIS WELTON	<i>Teachers College</i>
FERN WINTERS	<i>Teachers College</i>

COMMITTEES OF THE GENERAL FACULTY

1924-1925

EXECUTIVE

KOLBE, O. E. OLIN, SPANTON, AYER, SIMMONS, BANKES,
WEEKS (Secretary)

ENTRANCE

SCHMIDT, SPANTON, BANKES, STIMMEL, McJOYNT

CLASSIFICATION

Buchtel College

FLOWMAN, SPANTON, CRECRAFT, EGBERT, JONES, HOUSEHOLDER,
GARDNER, SCHMIDT, LIPSCOMBE, FOX, ROGERS

College of Engineering and Commerce

FLOWMAN, McJOYNT AND DEPARTMENT HEADS

UNIVERSITY OF AKRON

Curtis School of Home Economics
 PLOWMAN, STIMMEL, STINSON

Teachers College
 PLOWMAN, BANKES, HAYES, KUHNES

Evening Session
 SIMMONS, BANKES, PEASE, CRECRAFT, McDERMOTT, HAYES, REED,
 McEBRIGHT, TAILLIART, D. E. ANDERSON, BREITENBUCHER

PUBLIC SPEAKING
 McEBRIGHT, McDERMOTT, THOMPSON, MARSH, C. R. SMITH

SOCIAL
 THOMPSON, TYDINGS, REED, HALLENBECK, C. H. SMITH,
 MITCHELL, COOLEY

HOLIDAY OBSERVANCES
 REED, DeLEONE, BARNHARDT, DUNCKLEY, AND CLASS ADVISERS

PSYCHOLOGICAL TESTS
 BANKES, HAYES, O. E. OLIN, PEASE, AYER, NEWLIN

ATHLETICS
 AYER, COLEMAN, C. R. OLIN, MOORE, C. H. SMITH

STUDENT AFFAIRS
 (*Council, Elections, Advisers, etc.*)
 SIMMONS, THOMPSON, HAYES, GRIFFIN, STINSON

LIBRARY
 PEASE, FINDLEY, CUSHMAN, KUHNES, DAVIS, KRAATZ, NEWLIN

SCHOLARSHIP AND HONORS
 ROCKWELL, STIMMEL, KUHNES, J. BULGER, GRISMER

EXTENSION LECTURES
 ROCKWELL, WALTHER, CLARK, MacKINNON, DAVIS

UNIVERSITY ASSEMBLY
 DURST, GILMOUR, R. J. ANDERSON, DAVIES

FACULTY REPRESENTATIVES FOR UNIVERSITY ACTIVITIES

FRESHMAN CLASS	SIMMONS
SOPHOMORE CLASS	CRECRAFT
JUNIOR CLASS	MOORE
SENIOR CLASS	SPANTON
WOMEN'S CLUB ROOMS	THOMPSON
WOMEN'S LEAGUE	STINSON
MUSIC	DeLEONE
UNIVERSITY PUBLICATIONS	VANCE

THE MUNICIPAL UNIVERSITY OF AKRON

The Municipal University of Akron was created by an ordinance of the Akron City Council, passed on August 25, 1913. This ordinance accepted in behalf of the city the offer of the Trustees of Buchtel College to give to the city the entire plant and endowment of the college as the nucleus of a municipal university, the Council promising in behalf of the city to support properly the new institution thus created. After the transfer of property had been completed by President Kolbe and Secretary Olin for the Trustees of Buchtel College, Mayor Rockwell on December 15, 1913, together with City Solicitor Taylor accepted the deeds of transfer in behalf of the city and appointed nine citizens of Akron as members of the Board of Directors of the Municipal University of Akron.

Buchtel College, the institution thus turned over to the city of Akron, was founded in 1870 by the Ohio Universalist Convention and took its name from its most generous benefactor, Hon. John R. Buchtel, who consecrated his life and his wealth to its support. It was chartered by the Ohio Legislature in the same year as a College of Liberal Arts and Letters and first opened its doors for the admission of students in September, 1872.

By the terms of transfer to the City of Akron, provision was made that Buchtel College retain its name and identity as Buchtel College of Liberal Arts of the Municipal University.

The Municipal University of Akron, being supported in large part by public taxation, is entirely non-sectarian. The City of Akron has, however, agreed to carry out all provisions made by donors of funds to Buchtel College. Such funds were given in most cases to establish professorships and scholarships in the College of Liberal Arts.

DEPARTMENTS, EQUIPMENT AND STANDARDS

BUCHTEL COLLEGE OF LIBERAL ARTS

The College of Liberal Arts endeavors to carry out the wishes of the Founder of Buchtel College, namely, "to secure the highest grade of Classical, Scientific and Literary Culture". Four-year courses are offered leading to the degrees of Bachelor of Arts and Bachelor of Science.

THE COLLEGE OF ENGINEERING AND COMMERCE

The College of Engineering and Commerce offers courses in various branches of engineering, and in commerce and finance.

THE CURTIS SCHOOL OF HOME ECONOMICS

A four-year course is offered leading to the degree of Bachelor of Science in Home Economics. Especial attention is given to preparation for teaching and other vocations.

TEACHERS COLLEGE

Teachers College is organized under the joint management of the Akron Board of Education and the Directors of the University. The work is specifically organized for the preparation and training of teachers for the Akron Public School System, the professional improvement of teachers already in the service, and the study of educational problems.

THE EVENING SESSION

The University offers evening work in a number of departments. College credit is given for this work, except in a few courses. The subjects are mostly those of the first two years of college work in liberal arts and of the entire course in the Teachers College.

BIERCE LIBRARY

The University Library had its origin in a collection donated in 1874 by the late General L. V. Bierce and, during the early days of Buchtel College, the library was augmented by purchases from the proceeds of a bequest received from General Bierce's estate. In recognition of this gift, the library has been called Bierce Library. ~~It~~ occupies all of the main floor, a portion of the basement, and the second floor of Carl F. Kolbe Hall.

The Library

The Library contains about 21,000 cataloged volumes and about 10,000 pamphlets in addition to several hundred volumes of miscellaneous books and public documents as yet uncataloged and also a considerable collection of paper bound serials and pamphlets as yet uncounted. Departmental libraries are maintained in Olin Hall for both the Biology and Physics Departments, and in the Engineering Building for the Departments of Engineering and Commerce.

Students are privileged also to use the Akron Public Library, and will find co-operative service between the two libraries. Cards for new books added in each are on file in the catalog of the other, and the resources of both libraries are open to students and citizens.

COMBINATION COURSES

To those who wish to enter the learned professions such as law or medicine, the College of Liberal Arts offers opportunities of combination with the various professional schools of the country. By means of such combination courses a student may receive both the Arts and the professional degree, at the same time shortening by one year the period otherwise necessary.

EQUIPMENT

At the time of the foundation of Buchtel College in 1870 a plot of six acres of ground was purchased at the outskirts of the village of Akron on a hill overlooking the valley. The growth of the city has included this site, so that now the University campus lies at the head of College Street, only a short distance from the business center of the city.

In 1899 the old main building was destroyed by fire and in 1901 Buchtel Hall was completed as the first of a modern group of college buildings. From earlier times there already existed on the campus Crouse Gymnasium and the President's residence. Since the completion of Buchtel Hall there have been constructed Olin Hall, occupied by the department of biology and physics; the central heating plant; Curtis Cottage, used as the home of the School of Home Economics; the Knight Chemical Laboratory, toward the construction of which Andrew Carnegie gave \$25,000; the Carl F. Kolbe Hall, the gift of Mr. F. A. Seiberling and Mr. F. H. Mason; and the engineering building.

STANDARDS

The Municipal University of Akron maintains in all its departments courses of standard grade and is in every sense a standard American college, as is evidenced by its membership in such standardizing organizations as the Ohio College Association and the North Central Association of Colleges and Secondary Schools. It is included in the approved list of the Association of American Universities for recommendation of the bachelor's degree to foreign universities, and is approved for pre-medical work by the American Medical Association. Its women graduates are eligible to membership in the American Association of University Women.

ADMISSION

METHODS OF ADMISSION

Students are admitted by examination, high school certificate, or honorable dismissal from other colleges or universities, or if over twenty-one years of age, as special students not in candidacy for a degree.

ENTRANCE REQUIREMENTS

The requirement for unconditional entrance to any department of the University is 15 units, not less than 12 of which must be from the following subjects: English, Mathematics, Foreign Language, Science, History, Civics, Economics and Sociology. A unit is a full year's work in a subject, with four 1-hour or five 45-minute recitation periods a week.

Examinations are required in subjects presented for admission with grades below the passing mark.

No student from an Akron high school who is not a graduate will be admitted with less than 16 units except upon recommendation of the Superintendent of Schools.

SCHOLARSHIP REQUIREMENTS

The following rules on scholarship requirements for all applicants for the Freshman class have been adopted by the faculty:

1. Grades averaging below 80% for each full year carried shall not be accepted in subjects taken by the student in his last two years in high school. This rule shall not be retroactive and shall apply only to grades received after September, 1923.

2. On each certificate of grades, under the heading "Comments of the Principal", there shall be a blank space in which the Principal shall so state if he feels that a student who would be rejected under the provisions of Section 1, should be recommended for entrance to college.

3. Each certificate shall state whether the student belongs to the lower third, middle third, or upper third of his class.

4. Students refused college entrance under the above rules, who desire to take entrance examinations in the subjects in which they are deficient must notify the Chairman of the Entrance Committee in writing to that effect before August 15 for the first semester, or before January 20 for the second semester.

TIME OF REGISTRATION AND CLASSIFICATION

DAY SESSION

Buchtel College, School of Home Economics and Teachers College:

Registration and classification of Freshman *resident students* (except for the College of Engineering and Commerce) will begin on July 15 and will be continuous throughout the summer, daily from 9 a. m. to 4 p. m. in room 33, Buchtel Hall. The student must present himself in person for conference with the Chairman of the Entrance Committee, and must present to him his high school record.

Registration and classification of *non-resident students* will begin on September 1. Certificates of out-of-town students may be mailed to the Chairman of the Entrance Committee at any time for examination by the Entrance Committee.

Registration will be limited by classes and subjects, i. e., no student will be received in any class or subject beyond the number for which the University has adequate room and teaching force. For this reason Akron students are requested to register and classify during the early part of the summer, so that they may receive first consideration and opportunity for enrollment in the regular subjects of the first year course in the day session. Students who delay registration and classification are warned that it may be impossible to assign them to the subjects desired, or that it may be necessary for them to enter classes in the Evening Session. A deposit of \$5 is required at the time of registration. This sum will be applied on fees at entrance.

College of Engineering and Commerce:

New students (both residents and non-residents) desiring to enter the College of Engineering and Commerce must send their high school record to Dean F. E. Ayer of that college before July 1, and must hold themselves in readiness to begin practical work on July 1. No assurance of entrance can be given to those who fail to report for work before July 1.

EVENING SESSION

Registration for the Evening Session will begin on July 15 and will be continuous for residents and non-residents throughout the summer, daily from 9 a. m. to 4 p. m. in room 33, Buchtel Hall.

FINAL REGISTRATION DAYS

The Final Registration Days are:

Day Session in all departments except the College of Engineering and Commerce, September 14 and 15 for the first semester and January 23 for the second semester.

College of Engineering and Commerce, September 14 for the first section and October 5 for the second section. However, no assurance of admission can be given to students who do not present themselves in readiness to begin work on July 1.

Evening Session, September 12 for the first semester, and January 23 for the second semester.

ADVANCED CREDIT

Students presenting high school credits in a modern language or in mechanical drawing above and beyond the entrance requirements for college will be allowed college credit at the rate of fifty per cent in term hours for high school work, provided it results in a full credit in term hours and the student shows the ability to carry advanced work.

ADMISSION FROM OTHER COLLEGES

Students from other colleges of recognized standing may be admitted to advanced standing on presentation of a certificate of work done and a statement of honorable dismissal. A degree will not be granted a student entering with advanced standing from another college unless he spends a full year in residence and completes 32 semester hours of work. Except in Buchtel College three-fourths of this must be professional work done in the college granting the degree.

Applications for advanced standing will not be considered until the registrar of the University has received lists of credits and honorable dismissal from the institution from which the student desires to be transferred.

No student who does not meet the scholastic requirements of this institution will be received on transfer from another college or university.

SPECIAL STUDENTS

Students over twenty-one years of age, even though they have not fulfilled the entrance requirements, may be admitted as special students, not in candidacy for a degree, to such studies as they are prepared to enter.

IRREGULAR STUDENTS

Irregular students are those who have satisfied entrance requirements but are not pursuing a regular course in candidacy for a degree.

SUBJECTS REQUIRED FOR ADMISSION

For the subjects, required or elective, for admission to the several colleges of the University, see the entrance requirements of these colleges.

SUBJECTS ACCEPTED FOR ADMISSION

The subjects from which choice may be made, and the number of units which will be accepted in each subject, are as follows:

English	3 or 4 units
History, Social Sciences and Civics (not more than 4 units in all)	
Adv. U. S. History.....	$\frac{1}{2}$ or 1 unit
English History	$\frac{1}{2}$ or 1 unit
General History	1 unit
Ancient History	1 unit
Med. and Mod. History.....	1 unit
Civics	$\frac{1}{2}$ unit
Political Economy	$\frac{1}{2}$ unit

Languages, Foreign (not more than 6 units in all)		
French	1	to 4 units
German	1	to 4 units
Greek	1	or 2 units
Latin	1	to 4 units
Spanish	1	or 2 units
Mathematics (2½ to 4 units)		
Algebra	1	to 2 units
Geometry, Plane	1	unit
Geometry, Solid	½	unit
Trigonometry	½	unit
Science (not more than 4 units in all)		
Botany	½ or 1	unit
Chemistry	1	unit
General Science	1	unit
Physics	1	unit
Physiography	½ or 1	unit
Physiology	½	unit
Zoology	½ or 1	unit
Vocational Subjects (not more than 3 units in all)		
Agriculture	½ or 1	unit
Commercial Subjects	1	to 3 units
Domestic Science	1	to 3 units
Manual Arts	1	to 3 units

ENTRANCE AT MID-YEAR

Students graduating from high school at mid-year may enter any classes in first year work not already filled to capacity, subject to scholarship requirements already stated.

At the beginning of the following fall the student will be assigned to the regular freshman work of one of the courses and can pursue his studies without irregularity.

PSYCHOLOGICAL TESTS

Psychological tests are given to new students at the beginning of each semester to aid in determining the amount of work students should be permitted to carry, in advising the amount of outside work students may undertake, in deciding the dismissal or suspension of students, in considering the reinstatement of suspended students, in appointing student assistants, in determining the admission of students to certain advanced courses, and in sectioning classes.

All new students including specials are required to take the psychological tests unless excused by the Dean.

All seniors are given opportunity to take psychological tests during the week of their final examinations with the understanding that each senior who takes these tests will be given a complete statement of grades made in all psychological tests taken during his college course.

EMPLOYMENT AND LIVING CONDITIONS

THE BUREAU OF STUDENT EMPLOYMENT

This bureau is established for the purpose of aiding self-supporting students in finding part-time work during the school year. Its organization is directed by the University and its services are free to all students.

LIVING CONDITIONS

The University maintains no dormitories, but lists of rooms for men may be found at the general office. All women attending the University are under direct charge of the Dean of Women. No non-resident woman is allowed to select a rooming place not on the approved list of the Dean of Women. Non-resident women intending to enter the University should write beforehand to Mrs. E. A. Thompson, Dean of Women, who will gladly assist them in obtaining suitable living quarters.

Board may be secured in private families (often in connection with room), in boarding houses near by or at the Y. M. C. A. and Y. W. C. A.

The School of Home Economics serves a cafeteria luncheon in Curtis Cottage every noon during the school year.

SELF HELP

A large proportion of the men of the institution are self-supporting. Akron offers a great variety of work for men students. The University maintains a Bureau of Student Employment which helps new students in getting work for odd hours, evenings and on Saturdays. The demand for such student aid on the part of Akron citizens is usually larger than the University can supply.

No student, however, should enter without sufficient money for payment of term bills and for living expenses for several months, since too much outside work often seriously hampers the beginning of a college course.

The opportunity for women in the matter of self help is more limited. It consists largely of work during certain hours of the day in private families in return for board and room, clerking, and, to a limited extent, work in offices or libraries.

The University offers a number of student assistantships in various departments to upper classmen. Such positions pay thirty-five cents per hour for time spent. All inquiries regarding self help for men should be addressed to the Bureau of Student Aid; for women, to the Dean of Women.

FEEES AND EXPENSES

TUITION

Tuition at the University of Akron shall be free to all students under twenty-one years of age whose parents are actual residents of the city of Akron.

Any student whose parents are not residents of Akron must pay tuition unless he is twenty-one years of age and has resided in Akron at least one year immediately preceding his enrollment in the University; no person shall be considered to have gained a residence in this city for the purpose of securing free tuition while he is a student in the University.

The residence of minors shall follow that of the parents, or legal guardian if parents be deceased.

Aliens who have taken out their citizenship papers and who have been residents of Akron for twelve months next preceding the date of their enrollment in the University shall be regarded as eligible for registration as residents of Akron.

Any person living outside of Akron but owning property within the city of Akron, which is taxed, may receive credit on tuition of his child or children during any semester to the extent of taxes actually paid by him for that half-year towards the University levy, upon presenting a certificate from the County Auditor or Treasurer, stating the amount so paid. (Extract from the Rules of the University Directors.)

FEEES

All fees are payable at the Secretary's office before the student enters classes.

After a student enters classes no fees will be refunded except for absence on account of sickness.

A fee of \$1.00 will be charged students who have not completed registration, classification and payment of fees before the class work of the school in which they are registered begins.

After a student has been classified a charge of \$1.00 will be made for any change in his program which is not made at the instance of the University authorities.

A fee of \$1.00 per subject with a maximum of \$5.00 will be charged for entrance examinations taken on days other than those specified in the catalog, and a fee of \$5.00 will be charged for each examination in college work not taken in course.

All students, both resident and non-resident, are required to pay a maintenance fee covering registration and incidentals. An advance deposit of \$5.00 on the maintenance fee is required of all new students at the time of registering. This fee will be applied on fees at entrance but in no case will it be refunded except when the student fails to enter by reason of insufficient credits.

All students taking a total of eight semester hours or more in one or more schools of the University are required to pay the student activities fee.

All students graduating from the University are required to pay a graduation fee, payable at least one week before graduation.

Fees to cover breakage and materials are charged to all students taking laboratory courses.

SUMMARY OF FEES

The following tables give a summary of all University fees per semester:

TUITION FEES

For residents of Akron, all schools.....	Free
For non-residents:	
College of Engineering and Commerce, co-operative students	
First and second semesters, each.....	\$60.00
Summer session	25.00
College of Liberal Arts, School of Home Economics, Teachers College, and full-time students in the College of Engineering and Commerce, per semester:	
For 9 hours or more.....	\$90.00
For less than 9 hours, per hour.....	10.00
Evening Session	
4 credit hours or less.....	Free
5 credit hours or more, \$10.00 per hour per semester for each hour in excess of four, but in no case to exceed \$90.00 per semester	
Summer Session	Free

MAINTENANCE FEE

Summer Session, per semester hour.....	\$ 4.00
Smith-Hughes Law vocational courses, each.....	2.50
All other schools of the University:	
For 1 or 2 credit hours.....	7.00
For 3 credit hours.....	10.50
For 4 credit hours.....	14.00
For 5 credit hours.....	15.50
For 6 credit hours.....	17.00
For 7 credit hours.....	18.50
For 8 credit hours, or more.....	20.00
\$2.00 of the maintenance fee paid by each student, except in summer session and Smith-Hughes subjects, shall be considered a registration fee.	

STUDENT ACTIVITIES FEE

To each student taking 8 credit hours or more:

First semester (including a student athletic ticket for the entire school year).....	\$ 8.00
Second semester, to students in school the preceding semester	3.00
Second semester, to new entrants (including student athletic ticket)	5.50

GRADUATION FEE

Bachelor's degree	\$ 5.00
Master's degree	10.00

LABORATORY FEES

All laboratory fees are payable strictly in advance before entering classes.

Bacteriology 419, 420, per semester, each.....	\$ 4.00
*Bacteriology, deposit for breakage.....	5.00
Biology 401, 404, 411, 412, 426, 434, each.....	2.50
Biology 423, 424, per semester hour, each.....	1.00
Cement Laboratory 861, per semester.....	2.00
Chemistry 353, 354, per semester, each.....	3.00
Chemistry, all other courses, each.....	4.00
Chemistry 741, 742, per semester, each.....	3.00
*Chemistry, deposit for breakage in each course.....	5.00
*Deposit for breakage (each co-operative student, per year).....	5.00
Dietetics, per semester	7.50
Educational Measurements	2.00
Electrical Laboratory 907, 908, 913, 914, 922, 961, 962, per semester	3.00
Engineering Laboratory 807, per semester.....	3.00
Foods, per semester	7.50
Foods, per semester (evening session).....	3.75
Housewives Class, per semester	4.00
Materials Laboratory 817, per semester	2.00
Mechanical Laboratory 752, 753, 762-766, per semester.....	3.00
Metallurgy 744, per semester	4.00
Physics 331, 332, each	2.50
Physics, advanced courses, per semester hour, each.....	2.00
Physics 781-785, per semester, each.....	2.00
Railroads 853	1.00
Research problems (Teachers College), per semester.....	5.00
†R. O. T. C. deposit for uniform (advanced course).....	10.00
Surveying 810, per semester	2.00
Table and Meal Service, per semester	6.00
Thesis, Teachers College	10.00

*The unused portion of the breakage deposit will be returned to the student.

†This deposit is returned only to students who complete a full year's work.

FUNDS, PRIZES, SCHOLARSHIPS AND HONORS

THE KATHERINE CLAYPOLE LOAN FUND

This fund has been established by a number of women's organizations of the city and dedicated as a memorial to Mrs. Katherine Claypole, wife of Dr. E. W. Claypole, former Professor of Natural Science at Buchtel College. Mrs. Claypole was the founder of organized women's work in Akron and always manifested a deep interest in the young people of the College.

The principal of the fund is loaned to students "who in mid-term, as often happens, find themselves without sufficient means to complete the year's work". Application should be addressed to Mrs. E. F. Voris, Treasurer, 369 East Buchtel Avenue.

THE ASHTON PRIZES

A fund consisting of \$3,000 has been established by the late Oliver C. Ashton, endowing the O. C. Ashton Prizes for excellence in reading and recitation.

The annual income of this fund will be paid, one-third to competitors from the senior class, one-third to competitors from the junior class, and one-third to competitors from the sophomore class, in a first and second prize to each class, in proportion of two to one.

These are public exercises, and will take place at stated times during the year.

THE SENIOR ALUMNI PRIZE

A fund has been established by the Alumni Association for the purpose of awarding an annual cash prize of \$50.00 to that senior student in the University of Akron who has completed the regular four-year course with the highest average grade. Only students who have taken their entire course in the University of Akron are eligible.

THE TOMLINSON PRIZES

Through the kindness of Rev. Irving C. Tomlinson, Class of '80, of Boston, Mass., two prizes of \$30.00 and \$20.00 respectively will be offered each year to those two students of the University who present the best papers on a subject related to the work of the Municipal University. The subject is to be treated with especial reference to broadening the field and increasing the usefulness of the University, to its true character as a municipal university, and to its value, and need by the city.

THE LOOMIS CUP

In 1916 Mr. James P. Loomis of Akron donated a silver cup to be held annually by that high school in Akron whose graduates during the preceding year had made the best scholastic record at the Municipal University. By the terms of the gift, the cup became the permanent property of the school which first won it three times. Later Mr. Loomis donated a second cup for which contests are now being held. The winners of all contests are as follows:

The First Loomis Cup—

- 1915-16 won by West High School.
- 1916-17 won by South High School.
- 1917-18 won by South High School.
- 1918-19 won by South High School.

The Second Loomis Cup—

- 1919-20 won by West High School.
- 1920-21 won by South High School.
- 1921-22 won by West High School.
- 1922-23 won by South High School.
- 1923-24 won by North High School.

BUCHTEL COLLEGE SCHOLARSHIPS

A number of scholarships have been endowed by friends of the College to aid worthy and deserving students. The donor of a scholarship may, at all times, designate one student who shall be entitled to the remission of a part of the tuition charges in the College of Liberal Arts. Scholarship benefits will be limited to \$50 per year to any one student, and in the distribution of these scholarships by the University, preference will be given to the immediate descendants of the donor, if the donor is deceased.

Students thus receiving scholarships may be called upon to render services to the University for any part, or all, of such aid. They will be expected to maintain their standing in scholarship, and to conduct themselves in accordance with the rules of the institution. A scholarship is granted with the expectation that the student will complete his course of study at the University of Akron, and without a reason that shall be satisfactory to the Directors, honorable dismissal will not be granted until full tuition and all other college dues have been paid.

RHODES SCHOLARSHIPS

Men who have completed their sophomore year at Buchtel College are eligible to compete for the Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, with a stipend of \$1,500 each year. These scholarships are awarded on the combined basis of character, scholarship, athletics, and leadership in extra curriculum activities. Further information may be obtained from any member of the Rhodes Scholarship Committee of Selection for Ohio: Chairman, President

W. O. Thompson, Ohio State University, Columbus, Ohio; Professor B. E. Schmitt, Western Reserve University, Cleveland, Ohio; Cary R. Alburn, Esq., Attorney, Garfield Bank Building, Cleveland, Ohio; Secretary, Professor Leigh Alexander, Oberlin College, Oberlin, Ohio.

FELLOWSHIPS IN RUBBER CHEMISTRY

Two fellowships have been established in the Department of Chemistry, one by The Goodyear Tire & Rubber Company and one by The Firestone Tire & Rubber Company, for the study of the chemistry of india rubber. These fellowships are open to graduates of standard American colleges and are of the value of \$1,000 per year each, with remission of all University fees.

LOAN FUNDS BY CIVIC ORGANIZATIONS

Loan Funds have been established by the Akron Rotary Club and by the Akron Real Estate Board for the benefit of students of the University. Information may be secured concerning these funds by application to the secretaries of the organizations or to the President of the University.

PHI SIGMA ALPHA

Phi Sigma Alpha is an honorary fraternity, founded for the purpose of encouraging high scholarship among the students of the Liberal Arts College. No student with an average grade of less than 85 per cent shall be eligible for membership, and not more than three students shall be chosen from each senior class as follows:

1. That member of the senior class having the highest grades for three and one-half years.
2. The members (one a man, the other a woman) having the next highest grades for three and one-half years.

This original limitation has been widened as follows: That the faculty may elect and recommend for membership in Phi Sigma Alpha any students who have maintained a grade averaging 88 per cent or higher in the Liberal Arts College, whether first, they are completing the regular four-year course, or second, they have come to Akron from other institutions and have completed two and a half years of work here.

HONORS COURSES

As a special opportunity for the exceptional student, the faculty has established what is known as Honors Courses. Students eligible to apply for these courses are chosen by the faculty council each year from the list of the juniors and seniors in accordance with their records filed in the Registrar's office. Such students are notified to this effect and may then, if they so desire, apply for the privilege of working in Honors Courses. From these candidates the faculty council selects a definite number of those deemed best fitted to take advantage of this opportunity. For the present the number must not exceed six.

The privilege of being eligible to Honors Courses consists in the fact that to such a student the limitation of the number of term hours does not apply, but he may elect as he and the committee may choose. Attendance of students so chosen is optional at any and all lectures and recitations.

The head of each department personally or by deputy supervises such work elected in his department. For students in Honors Courses individual final examinations are held which consist of an oral examination before the entire committee in charge of such courses, a written examination within the major department, and a thesis which takes the form of a comprehensive study on work done.

The faculty committee in charge of Honors Courses is composed of the heads of departments in which Honors students elect majors. It consists of at least three members, the chairman being the faculty member appointed as director of Honors Courses. All Honors students meet with this committee once every two weeks in seminar.

At the close of each semester a student may for unsatisfactory work or for misconduct be deprived of Honors privileges and reduced to the rank of regular student. The faculty council may then choose another student to fill the place of one so demitted.

DEGREES

A statement of degrees conferred upon completion of courses, is given under the descriptive matter of each college. To receive a second degree in course from the University of Akron, the student must complete all requirements for the degree with a minimum of 32 semester hours of work not counted for the first degree.

GENERAL REGULATIONS

THE TERM-HOUR—The unit of instruction is one hour per week for one semester. Three hours of laboratory work (including time for writing reports) shall be considered as equivalent to one recitation hour with preparation therefor. This unit is known as a "term hour".

REQUIRED FOR DEGREE—128 term hours, except in the College of Engineering and Commerce.

ELECTION OF SUBJECTS IN OTHER SCHOOLS OF THE UNIVERSITY—No student in one school or college shall be allowed to elect subjects in other schools until all freshman and entrance requirements are satisfied.

Students in Buchtel College may elect a total amount of not more than twenty hours work in other schools or colleges of the University to be applied toward the requirements for graduation from Buchtel College. Work thus elected must not interfere with required major and minor studies, nor can it be substituted for them. All work elected in other colleges is subject to the approval of the Classification Committee.

GRADING SYSTEM

93-100 inclusive	Excellent	A
85- 92 "	Good	B
77- 84 "	Fair	C
70- 76 "	Poor	D
Below 70	Failed	F
Incomplete		I

The grade "I" shall be construed to mean that some portion of the semester's work has been omitted. Upon the satisfactory completion of the omitted work during the first six weeks of the following semester this grade may be converted into a grade other than F. Failure to complete the omitted work in a satisfactory manner within the prescribed time shall convert the grade to F.

No student shall be allowed credit toward graduation for more than thirty-two credit hours of D grade work.

RULES REGARDING FAILURE*FIRST YEAR STUDENTS**

Any first year student failing to receive credit for at least eight semester hours with a grade other than F at the end of any semester shall be dropped from the University for the following semester.

Any first year student failing at the end of any semester to receive credit for at least 11 semester hours with a grade other than F shall be placed upon probation during the following semester.

Failure of any first year student while under probation to pass 11 semester hours at the end of this semester with a grade other than F shall exclude the student from the University for the following semester.

Any first year student electing eight hours or less must receive a grade other than F in all work taken or be dropped from the University for the following semester, unless allowed to continue by special action of the faculty.

UPPER CLASSMEN

Any student who has been in attendance at this institution or at any other college or university for one year or more who fails, at the end of any semester, to receive credit for 11 semester hours with a grade other than F, shall be dropped from the University for the following semester.

Any such student electing eleven hours or less must receive a grade other than F in all the work taken or be dropped from the University for the following semester, unless allowed to continue by special action of the faculty.

CONDITIONS FOR RE-ENTERING

A student dropped from the University under these rules may be given one opportunity to re-enter after not less than one semester's absence. It shall, however, be understood that the faculty may, at its discretion, prescribe such study, preparation, or examination as it believes necessary for re-entrance. The student shall, on re-entering, be placed on probation, and may be finally dropped at the end of any six-weeks period during which his grades do not meet the standards indicated in the rules regarding failure.

*For all Colleges except the College of Engineering and Commerce.

BUCHTEL COLLEGE OF LIBERAL ARTS

A. I. SPANTON, A. M., *Dean*

Buchtel College was founded as a College of Liberal Arts in 1870 by the Ohio Universalist Convention in co-operation with the Hon. John R. Buchtel. It became a part of the Municipal University of Akron, December 15, 1913. The following is a list of the original incorporators of Buchtel College:

- *J. S. CANTWELL, D. D.
- *COL. GEO. T. PERKINS.
- *HENRY BLANDY.
- *REV. GEO. MESSENGER.
- *REV. B. F. EATON.
- *JUDGE NEWELL D. TIBBALS.
- *REV. J. W. HENLEY, D. D.
- *JUDGE E. P. GREEN.
- *O. F. HAYMAKER.
- *JOHN R. BUCHTEL.
- *REV. H. F. MILLER.
- *REV. E. L. REXFORD, D. D.
- REV. H. L. CANFIELD, D. D.
- *WILLARD SPAULDING.
- *GEORGE STEESE.
- *REV. ANDREW WILLSON, D. D.
- *JAMES A. LANTZ.

PRESIDENTS OF BUCHTEL COLLEGE

*S. H. MCCOLLESTER, D. D., Litt. D.....	1872-1878
*E. L. REXFORD, D. D.....	1878-1880
*ORELLO CONE, D. D.....	1880-1896
C. M. KNIGHT, Sc. D. (ad interim).....	1896-1897
I. A. PRIEST, D. D.....	1897-1901
*A. B. CHURCH, D. D., LL. D.....	1901-1912
P. R. KOLBE, Ph. D.....	1913-

*Deceased.

ENDOWMENTS

MESSENGER PROFESSORSHIP

The Messenger Professorship of Mental and Moral Philosophy was endowed by Mrs. Lydia A. E. Messenger, late of Akron, in memory of her deceased husband, Rev. George Messenger.

HILTON PROFESSORSHIP

The Hilton Professorship of Modern Languages was endowed by John H. Hilton, late of Akron.

PIERCE PROFESSORSHIP

The Pierce Professorship of English Literature was endowed by Mrs. Chloe Pierce, late of Sharpville, Pa.

BUCHTEL PROFESSORSHIP

The Buchtel Professorship of Physics and Chemistry was named in honor of Mrs. Elizabeth Buchtel, late of Akron.

AINSWORTH PROFESSORSHIP

The Ainsworth Professorship of Mathematics and Astronomy was endowed by Henry Ainsworth, late of Lodi.

RYDER PROFESSORSHIP

The Ryder Professorship of Rhetoric and Oratory was established by the Board of Trustees in memory of Dr. William H. Ryder, late of Chicago.

MESSENGER FUND

The Messenger Fund was created by Mrs. Lydia A. E. Messenger, late of Akron. The fund consists of \$30,000.

ISAAC AND LOVINA KELLY FUND

The Isaac and Lovina Kelly Fund was created by Isaac Kelly, late of Mill Village, Pa. This fund consists of \$35,788.

WILLIAM PITT CURTIS FUND

This fund was established by William Pitt Curtis, late of Wadsworth, Ohio. It now amounts to \$25,000.

CROSLEY LIBRARY FUND

This fund was established by the Rev. Lotta D. Crosley, late of Kent, Ohio. It amounts to \$3,000.

PERPETUAL SCHOLARSHIPS IN BUCHTEL COLLEGE

The following named persons have established perpetual scholarships in Buchtel College:

MISS E. V. STEADMAN.....	Marietta
JAMES PIERCE.....	Sharpsville, Pa.
ELIJAH DRURY.....	Girard, Pa.
MRS. MARY C. MARTIN.....	Lebanon
JAMES F. DAVIDSON.....	Brimfield
MISS BETSEY THOMAS.....	Irwin
JOHN PERDUE.....	Lafayette, Ind.
ELI M. KENNEDY.....	Higginsville, Mo.
JOHN K. SMITH.....	Ravenna
N. S. OLIN.....	Ravenna
JOHN B. SMITH.....	Urbana
MRS. CANDIA PALMER.....	Painesville
MRS. GEO. W. STEELE.....	Painesville
GEORGE W. STEELE.....	Painesville
MRS. BETSEY DODGE.....	McConnellsville
JOHN ESPY.....	Kenton
JOSEPH HIDY, SR.....	Jeffersonville
MRS. HENRY BOSZAR.....	Brimfield
HENRY BOSZAR (3).....	Brimfield
H. D. LOUDENBACK.....	Westville
THOMAS KIRBY.....	Muncie, Ind.
ISAAC AND LOVINA KELLY.....	Mill Village, Pa.
S. T. AND S. A. MOON.....	Cuba
GEORGE THOMAS.....	Greenwich
MRS. E. W. TERRIL.....	Jeffersonville
MRS. JOHN H. HILTON.....	Akron
SAMUEL BIRDSSELL.....	Peru
SAMUEL GRANDIN.....	Tidioute, Pa.
N. B. AND A. E. JOHNSON.....	Mingo
HENRY AINSWORTH (10).....	Lodi
MR. AND MRS. JOHN MILLER.....	Edgerton
JOHN P. CHAPIN.....	New Philadelphia
CHRISTIAN SWANK.....	Creston
MRS. S. O. ACOMB.....	Tidioute, Pa.
MRS. JANE BETZ (2).....	Hamilton
MISS HANNAH ALLYN.....	Akron
MRS. ROSA G. WAKEFIELD.....	Green
MARTHA A. BORTLE.....	Hamilton
DELIA LORING MORRIS.....	Belpre

These scholarships are intended to aid worthy and deserving students, and are awarded by a Scholarship Committee under authority from the Board of Directors.

ENTRANCE REQUIREMENTS

The following supplements the statement of general entrance requirements previously made (see introductory pages).

The minimum requirement for entrance to the Liberal Arts College is 15 units. Not less than 12 of the 15 units must be from the following subjects: English, Mathematics, Foreign Language, Science, History, the Social Sciences. The following 9½ units must be included:

English	3 units
Mathematics (Algebra, 1½; Plane Geometry, 1).....	2½ units
*Foreign Language (4 recommended).....	2 units
U. S. History and Civics.....	1 unit
Science (must include laboratory work).....	1 unit

MILITARY AND PHYSICAL TRAINING

Military training in the Reserve Officers Training Corps under the direct supervision of the United States Government is required of all physically fit male students during the first two years.

Physical training is required of all men during the first two years and of all women during the first year.

The work of the Military and Physical Training Departments is described in detail in the general catalog.

THESIS

A thesis showing original research by the student may be presented for graduation. It shall be taken in the subject chosen as the student's major, and shall count for two term hours if carried satisfactorily beyond the regular class room work. The thesis must be handed to the instructor in charge on or before the beginning of the senior vacation.

*These two required units must be in the same language.

Four units of foreign language are required of students in A. B. Courses desiring to major in foreign language. For a major in Latin, or in Latin and Greek, these four units must be Latin.

Foreign language offered for entrance, in excess of four units, and above and beyond the college entrance requirements, will be given 50 per cent credit on college work, provided the grade has been at least 85 per cent and the student continues the language acceptably in the University.

COURSES OF STUDY AND DEGREES

Two courses of study, each requiring 128 term hours for graduation, and leading respectively to the degrees A. B. and B. S., are offered in Buchtel College.

The studies of the freshman year are definitely assigned and required in each course.

FRESHMAN STUDIES

THE A. B. COURSE

Rhetoric	3 credit hours each semester—required	
American Government	4 credit hours each semester—required	
Physical Training (women)	1 credit hour each semester—required	
Physical Training and Military Drill (men)	2 credit hours each semester—required	
French	3 or 4 credit hours each semester	} one required
Spanish	3 or 4 credit hours each semester	
German	3 or 4 credit hours each semester	
Latin	4 credit hours each semester	
Greek	4 credit hours each semester	
*Mathematics	4 credit hours each semester—required	
Current Events	1 credit hour second semester required for women	

THE B. S. COURSE

Rhetoric	3 credit hours each semester—required	
Mathematics	4 credit hours each semester—required	
Physical Training (women)	1 credit hour each semester—required	
Physical Training and Military Drill (men)	2 credit hours each semester—required	
†Chemistry	4 credit hours each semester	} one required
Physics	4 credit hours each semester	
†Biology	4 credit hours each semester	
French	3 or 4 credit hours each semester	} one required
Spanish	3 or 4 credit hours each semester	
German	3 or 4 credit hours each semester	
Current Events	1 credit hour second semester required for women	

First-year special or irregular students are not allowed to elect work above the freshman year.

Students are not allowed to begin two languages at the same time.

*Students in A. B. Courses who do not wish to take Mathematics may choose instead either Latin or Greek.

†Freshmen intending to major in Chemistry must take Chemistry 351 and 352 (7 credit hours each semester) instead of the regular freshman Chemistry, and will postpone Rhetoric until the sophomore year.

Students intending to major in Biology must take Biology in the freshman year.

MAJORS AND MINORS

At the end of the freshman year the student is asked to indicate to the Committee on Classification whatever line of work he may wish to pursue. This subject is then known as the "major". Each major brings with it a number of required "minor" subjects. All work beyond the freshman year and outside the major and minor requirements is elective, 16 hours per semester being counted as regular work.

In the following table of what is required for each major, both freshman and upper classman subjects are included.

MAJORS LEADING TO THE A. B. DEGREE

- I. *Greek and Latin*. A minimum of 40 hours, at least 14 of which must be Greek.
- II. *Latin*. A minimum of 32 hours.
- III. *German and French*. A minimum of 20 hours of each.
- IV. *Romance Languages*. A minimum of 40 hours (20 hours each of French and Spanish).
- V. *Philosophy and Sociology*. Thirty hours.
- VI. *Political Science and Economics*. A minimum of 32 hours.
- VII. *History*. A minimum of 30 hours.
- VIII. *English*. A minimum of 30 hours.

MAJORS LEADING TO THE B. S. DEGREE:

- IX. *Chemistry*. A minimum of 40 hours.
- X. *Mathematics*. A minimum of 32 hours.
- XI. *Physics*. A minimum of 30 hours.
- XII. *Biology*. A minimum of 32 hours.

MINORS REQUIRED WITH EACH MAJOR:

(The figures indicate semester hours required)

MINORS	Chemistry Major—40 hrs.	Math. Major—32 hours	Physics Major—30 hrs.	Biology Major—32 hrs.	Greek and Latin Major—40 hrs.	Latin Major—32 hrs.	German and French Major—40 hrs.	Romance Lang. Major—40 hrs.	Philos. and Sociology Major—30 hrs.	Pol. Sci. and Econ. Major—32 hrs.	History Major—30 hrs.	English Major—30 hrs.
1. Lit. 63 and 64, 75 and 76, or any two of the following: 68, 69, 70, 72.....	6	6	6	6	6	6	6	6	6	6	6	6
2. Human Biology					4	4	4	4	4	4	4	4
3. History	6	6	6	6	6	6	6	6	6	6	6	6
4. Philos. or Sociology.....	6	6	6	6	6	6	6	6	6	6	6	6
5. Econ. or Pol. Sci.....	6	6	6	6	6	6	6	6	6	6	6	6
6. †Modern Language	6 ^a	6 ^a	6 ^a	6 ^a	6 ^a	6 ^a	6 ^a	6 ^a	6	6	6	6
7. ‡Foreign Language	3 ⁺	3 ⁺	3 ⁺	3 ⁺	3 ⁺	3 ⁺	3 ⁺	3 ⁺	3 ⁺	3 ⁺	3 ⁺	3 ⁺
8. Public Speaking	3	3	3	3	3	3	3	3	3	3	3	3
9. *Biology	8	8	8	8	*	*	*	*	*	*	*	*
10. *Chemistry	8	8	8	8	*	*	*	*	*	*	*	*
11. *Physics 331 and 332.....	8	8	8	8	*	*	*	*	*	*	*	*
12. Soph. Math.			9									
13. Classical Masterpieces												6

†In addition to foreign language for freshman requirements.

‡The minimum requirement in foreign language (including work taken either in high school or in the University) for graduation from the Liberal Arts College is five years. This must include not less than two years of each of two languages. At least two of the five years' work in language must be taken in the University.

*The science requirement in A. B. courses is as follows: (1) one year—8 credit hours—of Chemistry, Physics or Biology. Students who had Chemistry in high school, but not Physics, must take Physics; those who had Physics, but not Chemistry, must take Chemistry; those who had neither, must take either Chemistry or Physics; those who had both, may take either Chemistry, Physics, or Biology; (2) one year—4 credit hours—of Human Biology, except for those who elect Physiology.

^aMust be History of England.

*Must be Psychology.

*Must be second year German or second year French.

DEPARTMENTS OF INSTRUCTION

The general system of numbering and arrangement is according to the following groups:

Subjects	Course Numbers
Biology	401-450
Chemistry	351-400
English	51-100
Greek and Latin	1- 50
History	271-300
Mathematics	301-330
Modern Languages	101-200
Philosophy and Sociology	201-250
Physics	331-350
Political Science and Economics.....	251-270 and 451-470

COURSES FOR 1925-1926

BIOLOGY

PROFESSOR PLOWMAN
ASSISTANT PROFESSOR KRAATZ
MR. FOX
MR. DARRAH

A major course in this department consists of not less than thirty-two semester hours of work, and it should include the following departmental numbers: 401-402, 403, 404, 407-408 or 409-410, and 419-420.

For minor requirements see general statement on majors.

All who wish to major in this department should carry Biology 401-402 as the first-year science. Pre-medical students planning to take the combination course with any A-grade medical school should take both Biology 401-402 and Chemistry 353-354 in the first year.

401-402. GENERAL BIOLOGY. First and second semesters. Four credit hours each semester.

This course is made up of two lectures and six hours of laboratory work per week, consisting of a study of parallel groups of the more primitive plants and animals. The purpose of the course is to give the student a clear idea of the fundamental laws of nature, as they relate to the simpler living things, and thus to emphasize the essential unity of the whole realm of life, including man.

General Biology is a prerequisite for all advanced courses in this department. No credit will be allowed for less than the entire year's work in this subject.

ASSISTANT PROFESSOR KRAATZ, MR. FOX, MR. DARRAH

403. VERTEBRATE ANATOMY. First semester. Four credit hours.
Prerequisite, 401-402.

This course consists of lectures, recitations, and laboratory work in the dissection and study of some of the important systems of organs in animals representing the principal classes of vertebrates. Special emphasis is placed upon the homologies of structure in relation to various problems of the phylogeny of vertebrates.

This course is required of pre-medical students.

ASSISTANT PROFESSOR KRAATZ

404. EMBRYOLOGY OF VERTEBRATES. Second semester. Four credit hours. Prerequisite, 401-402.

This course is made up of comparative studies of early developmental stages in typical vertebrate animals. The student is required to prepare a series of microscope slides of embryonic materials, and to make a thorough study of the beginnings of the various organs of the body.

ASSISTANT PROFESSOR KRAATZ

405. ORGANIC EVOLUTION. First semester. Three credit hours.
Prerequisite, 401-402.

This course consists of lectures, recitations, reference-reading, and reports. A somewhat detailed survey is made of the history and application of the doctrine of organic evolution from the Greeks to the present day.

PROFESSOR PLOWMAN

406. HEREDITY. Second semester. Three credit hours. Prerequisite, 401-402.

This course is made up of lectures, textbook, and reference reading. It includes a study of the theories of biological inheritance, and also of the application of the laws of heredity in the practice of breeding. Some time is given to a study of the modern problems of human eugenics.

PROFESSOR PLOWMAN

- 407-408. HUMAN PHYSIOLOGY. First and second semesters. Four credit hours each semester. Prerequisite, 401-402.

This course consists of four lecture-recitations per week, in a detailed study of the human mechanism and its functioning. A fair knowledge of physics and chemistry will aid the student very materially in this work.

This course is designed especially for college men *other than* pre-medical students, and is open to men only.

This course is given in alternate years, and will be omitted in 1925-1926.

PROFESSOR PLOWMAN

- 409-410. HUMAN PHYSIOLOGY. First and second semesters. Four credit hours each semester. Prerequisite, 401-402.

This course is similar to 407-408, but it is designed especially for college women, and it is open to women only. Students in Curtis School are required to take this course, and it is also adapted to the needs of prospective teachers.

This course will be offered in 1925-1926, and alternate years.

PROFESSOR PLOWMAN

411-412. **HISTOLOGY AND LABORATORY METHODS.** First and second semesters. Two credit hours each semester. Prerequisite, 401-402.

In this course the student is given instruction and practical experience in the study of organs and tissues, and in the various methods of collecting, preserving, and preparing organic materials for laboratory examination. Prospective teachers of biological subjects will find this course particularly helpful.

PROFESSOR PLOWMAN

413-414. **HUMAN BIOLOGY.** First and second semesters. Two credit hours each semester.

This is a study of the human body, considering briefly its origin, development, essential internal processes, and broader environmental relationships, with special reference to personal health and fitness for the task of efficient living. This course is required of all sophomore men, candidates for the A. B. degree, except such as elect Physiology 407-408.

PROFESSOR PLOWMAN

415-416. **HUMAN BIOLOGY.** First and second semesters. Two credit hours each semester.

This course is similar to 413-414, but it is more especially adapted to meet the needs of college women. It is open to women students in all departments of the University, and is required of all sophomore women, candidates for the A. B. degree, except such as elect Physiology 409-410.

PROFESSOR PLOWMAN

418. **CONSERVATION.** Second semester. Three credit hours.

This is a course of lectures and recitations, dealing with the natural resources of the world; their mode of origin, modes of recovery, uses, and conservation. This course forms the natural connecting link between technical biology and the fields of sociology, economics, commerce, etc.

This course is open to all college students, without prerequisite.

PROFESSOR PLOWMAN

419-420. **BACTERIOLOGY.** First and second semesters. Four credit hours each semester. Prerequisite, 401-402.

This course consists of two lecture-recitations and six hours of laboratory work per week. It deals with the history and growth of the science of bacteriology, a study of the nature and properties of micro-organisms, the relations of bacteria to man, bacteriological laboratory technique, and the elements of pathology. General Biology 401-402 is prerequisite, and some knowledge of physics and chemistry is quite essential.

MR. FOX

422. **SANITATION AND PUBLIC HEALTH.** Second semester. Three credit hours. Prerequisite, 401-402.

This is a study of the history and principles of sanitary science, including the working out of specific problems in connection with the water supply, garbage and sewage disposal, factories and institutions of Akron.

MR. FOX

423-424. **BIOLOGICAL PROBLEMS.** First and second semesters. Two to four credit hours each semester.

Advanced undergraduate students, or graduate students in the department, may undertake special lines of biological study under the personal direction of a member of the departmental staff. A complete written record of all such work is required, and the amount of credit will be determined by the nature and amount of the work done.

PROFESSOR PLOWMAN, ASSISTANT PROFESSOR KRAATZ, MR. FOX

695. **HYGIENE AND SANITATION.**

This course is only for students in co-operative courses. For description see under Biology in the College of Engineering and Commerce.

CHEMISTRY

PROFESSOR SIMMONS

ASSISTANT PROFESSOR SCHMIDT

MR. MOORE

MR. ANDERSON

MR. SCHAEFER

MR. BISHOP

Major: Forty hours of Chemistry. These courses or their equivalent must be included: 351, 352, 359, 360, 357, 358, 367, 368, 371, 372.

Minors: Literature, 6 hrs.; History, 6 hrs.; Philosophy or Sociology, 6 hrs.; Economics or Political Science, 6 hrs.; Public Speaking, 3 hrs.; Biology, 8 hrs.; Physics, 8 hrs.; equivalent of 2 years of German or French.

CHEMICAL COURSE

FRESHMAN YEAR

	Credit hrs. each semester
Gen. Chem. 351 and 352.....	7
Mathematics	4
Modern Language	3 or 4
Physical and Military Training....	2

SOPHOMORE YEAR

	Credit hrs. each semester
Quan. Analysis	4
Biology	4
Mathematics	4 or 5
Modern Language	3
Physical and Military Training..	2
Rhetoric	3

JUNIOR YEAR

Org. Chemistry	3
Physics	4
Electives	

SENIOR YEAR

Organic Chemistry	3
Physical Chemistry	3
Electives	

351. **GENERAL, INORGANIC CHEMISTRY.** First semester. Seven credit hours. Four recitations and nine hours of laboratory work a week.

This course is designed for those majoring in Chemistry.

PROFESSOR SIMMONS

352. **QUALITATIVE ANALYSIS.** Second semester. Seven credit hours.
Four recitations and nine hours of laboratory work a week.

This is a study of the separation and identification of the common cations and anions. PROFESSOR SIMMONS

353-354. **GENERAL INORGANIC CHEMISTRY.** First and second semesters. Four credit hours each semester. Two recitations and six hours of laboratory work each week.

This is given for the students as a minor in the B. S. and A. B. courses and should not be taken by those intending to major in Chemistry.

PROFESSOR SIMMONS

355-356. **ORGANIC CHEMISTRY FOR PRE-MEDICAL AND HOME ECONOMICS STUDENTS.** First and second semesters. Four credit hours each semester. Two recitations and six hours of laboratory work each week.

In this course a survey of the methods and content of organic chemistry is made with reference in particular to processes and compounds important in living organisms. Prerequisite, 353-354.

ASSISTANT PROFESSOR SCHMIDT

*357-358. **ELEMENTARY ORGANIC CHEMISTRY.** First and second semesters. Three credit hours each semester. Two recitations and three hours of laboratory work each week.

This course is a study of aliphatic hydrocarbons and their derivatives. The various methods used in the study and preparation of these compounds are practiced in the laboratory. Prerequisite, 360.

ASSISTANT PROFESSOR SCHMIDT

359-360. **QUANTITATIVE ANALYSIS.** First and second semesters. Four credit hours each semester. One recitation or lecture and nine hours of laboratory work a week on select methods of quantitative analysis; the gravimetric analysis of simple salts, minerals, rocks, and alloys.

The second semester is entirely given over to volumetric analysis by oxidation with permanganate and bichromate solution, acidimetry, alkalimetry and iodimetry. Prerequisite, 352

MR. MOORE

*367-368. **ADVANCED ORGANIC CHEMISTRY.** First and second semesters. Three credit hours each semester. Two recitations and three hours of laboratory work each week.

In this course the various derivatives of benzene are studied and the typical syntheses of the various groups are performed in the laboratory. Other cyclic compounds are also studied. Prerequisite, 357-358.

ASSISTANT PROFESSOR SCHMIDT

*Open only to juniors and seniors.

- *369-370. **INDUSTRIAL ANALYSIS.** First and second semesters. Three credit hours each semester. Nine hours of laboratory work.

The classroom work consists of informal discussions as the laboratory results are handed in. The course covers such analysis and work as deal with water treatment for boiler use, drinking water, milk, iron and steel analysis, mineral and vegetable oils. Prerequisite, 360.

MR. MOORE

- *371-372. **PHYSICAL CHEMISTRY.** First and second semesters. Three credit hours each semester. Two recitations and three hours of laboratory work each week.

The work of this course consists of a study of the properties of gases, liquids, solids, solutions, and chemical equilibrium. The solution of problems is an important part of the class work. The laboratory work consists of physical-chemical measurements. Prerequisites, 367-368 and Physics 331-332.

ASSISTANT PROFESSOR SCHMIDT

- *363-364. **CHEMISTRY OF RUBBER TECHNOLOGY.** First and second semesters. Three credit hours each semester. One recitation and six hours of laboratory work each week.

The course embraces a study of the following topics: crude rubber; analysis of vulcanized compounds; milling; vulcanizing; physical testing; compounding; accelerators; theories of vulcanization; synthetic rubber; constitution of rubber; reclaimed rubber; substitutes. Prerequisite, 358.

PROFESSOR SIMMONS

- 689-690. **ENGINEERING CHEMISTRY.**

691. **CHEMISTRY OF COMBUSTION.**

692. **METALLURGY OF IRON AND STEEL.**

Courses 689-690, 691, and 692 are given only for students in co-operative engineering courses. For description see under Chemistry in the College of Engineering and Commerce.

ENGLISH

DEAN SPANTON
 PROFESSOR PEASE
 MR. NEWLIN
 MISS MITCHELL
 MR. GRISMER
 MR. VANCE
 MRS. MACKINNON
 MISS CUSHMAN
 MISS FREEDLANDER

Major: Rhetoric 51-52, 6 hours; Advanced Composition 55-56 or Editing 59-60, but not both, 4 hours; courses in English literature and language, 20 hours. A total of 30 hours.

*Open only to juniors and seniors.

RHETORIC

51. RHETORIC. First semester. Repeated the second semester. Three credit hours.

This course is designed for elementary instruction in English composition. Students are given practice in expressing their own ideas clearly, correctly, concisely, and concretely. Attention is devoted particularly to sentence and to paragraph structure, and to writing short expository compositions.

PROFESSOR PEASE, MISS MITCHELL, MR. GRISMER,
MISS FREEDLANDER.

52. RHETORIC. Second semester. Also given the first semester. Three credit hours. Prerequisite, 51.

This course is designed with the same purpose as 51, of which it is a continuation. Attention, however, is given to description, characterization, and narration. The students write compositions that build up to a final long narrative work.

PROFESSOR PEASE, MISS MITCHELL, MR. GRISMER,
MISS FREEDLANDER

57. RHETORIC. First semester. Two credit hours.

This is a course in composition required of all students who fail to make a grade of C or higher in Rhetoric 52.

MISS MITCHELL

55. ADVANCED COMPOSITION: SHORT STORY WRITING. First semester. Two credit hours. Prerequisite, 51-52.

The basic work is the writing of original short stories. Pitkin's texts are used as guides to the modern theory of this type. Wide illustrative readings both in the story and the short play are required.

PROFESSOR PEASE

56. ADVANCED COMPOSITION: ESSAY WRITING. Second semester. Two credit hours. Prerequisite, 51-52.

Expositional and descriptive themes will be developed on lines of individual choice. Modern essayists will be studied for illustration of methods and style.

PROFESSOR PEASE

- 53-54. REPORTING AND NEWS WRITING. First and second semesters. Three credit hours each semester. Prerequisite, 51-52.

The members of this class form the reporting staff of The Buchtelite, the University newspaper. Each student is required to write news for publication. Class work consists of lectures on the theory of news gathering and writing, and of criticism of professional and students' work.

MR. VANCE

*59-60. EDITING. First and second semesters. Two credit hours each semester. Prerequisite, 53-54.

The members of this class edit *The Buchtelite*, the University newspaper. Each student is given opportunity to write heads, edit copy, and make up the paper. Extensive editorial writing is required. Class work consists of lectures on the theory of editing, and of criticism of professional and students' work.

MR. VANCE

*61. EDITORIAL WRITING. Second semester. Two credit hours. Prerequisite, 53-54.

This course will consider the newspaper editorial as a specialized type of essay. Considerable writing will be required and the best editorials will be published.

MR. VANCE

DEBATE. First and second semesters. Two credit hours each semester. Prerequisite, 51-52.

This course deals with the analysis of the proposition, the construction of the brief, the study of evidence, the construction of the speech, refutation, expression, and platform practice. The aim is to develop logical thinking and effective speaking. In addition to intercollegiate debates, there will be several public debates in Akron and vicinity between teams from the University of Akron.

MR. WEBER

LANGUAGE AND LITERATURE

Required Work: In addition to Rhetoric 51-52, students in all courses must take at least six hours in this department as a required minor. This requirement may be met by electing 63-64, 75-76, or any two of the following: 68, 69, 70, 72.

Order of Work: Courses 65-66 are prerequisite to the more advanced courses and must be taken in the sophomore year by students desiring to major in English. English History 273-274 should also be taken in the sophomore year.

63-64. INTRODUCTION TO LITERATURE: TYPES OF PROSE AND POETRY. First and second semesters. Three credit hours each semester. Prerequisite, 51-52.

This course stresses literary types and characteristics rather than the historical development of English literature. Types of prose are studied the first semester; types of poetry, the second semester.

MR. GRISMER, MISS MITCHELL

65-66. HISTORY OF ENGLISH LITERATURE. First and second semesters. Three credit hours each semester. Prerequisite, 51-52.

The course presents an introductory survey of the great English authors, the chief types of prose and poetry, and the historical backgrounds and tendencies of literary periods. It is planned as a basis for English majors and those who desire to study other English literature.

PROFESSOR PEASE

*Open only to juniors and seniors.

- *67. CHAUCER. First semester. Three credit hours. Prerequisite, 65-66.

The work includes a careful study of the best of the Canterbury Tales and a more rapid reading of other important portions of Chaucer's work. Readings, papers. MISS MITCHELL

68. WORD STUDY. Second semester. Three credit hours. Prerequisite, 51-52.

After a few introductory lectures on language, the work centers in the study of words—their origin, development, significance, and habits.

DEAN SPANTON

69. SHAKSPERE. First semester. Three credit hours. Prerequisite, 51-52.

A study of the development of Shakspeare as a dramatist and his place in the Elizabethan Age and in the history of English literature. Most of the plays are read.

DEAN SPANTON

70. THE ENGLISH BIBLE AS LITERATURE. Second semester. Three credit hours. Prerequisite, 51-52.

To the student of literature the Bible has a two-fold interest entirely apart from its religious value; it is itself noble literature, and it has influenced the literature of the English-speaking world more profoundly than has any other book. The object of this course is to help the student to see the beauty and power of the Bible as literature; its narrative, exposition, and poetry. Not offered 1925-1926.

DEAN SPANTON

- *71. TENNYSON AND BROWNING. First semester. Three credit hours. Prerequisite, 65-66.

Not offered 1925-1926.

DEAN SPANTON

72. HISTORY OF THE ENGLISH LANGUAGE. Second semester. Three credit hours. Prerequisite, 51-52.

Not offered 1925-1926.

PROFESSOR PEASE

- *73-74. NINETEENTH CENTURY LITERATURE. First and second semesters. Three credit hours each semester. Prerequisite, 65-66.

The first semester's work covers the romantic movement of the earlier nineteenth century and includes a study of the leading works of Wordsworth, Coleridge, Byron, Shelley, Keats, DeQuincey, Lamb, and their contemporaries.

The work of the second semester is a study of the leading authors of the Victorian Age, exclusive of the novelists and Tennyson and Browning.

DEAN SPANTON

- 75-76. AMERICAN LITERATURE. First and second semesters. Three credit hours each semester. Prerequisite, 51-52.

After a somewhat rapid survey of the literature of the Colonial and Revolutionary Periods, the work centers in a study of the leading poets and prose writers of our later literature.

PROFESSOR PEASE

*Open only to juniors and seniors.

- *79-80. ENGLISH FICTION: DEVELOPMENT OF THE NOVEL. First and second semesters. Three credit hours each semester. Prerequisite, 65-66 or 75-76.

The evolution of the novel, as a distinct type, is followed down from the time of the medieval romances. Emphasis is given to eighteenth and nineteenth century development, with selections, as time allows, from contemporary works.

PROFESSOR PEASE

78. VERSIFICATION. Second semester. Three credit hours. Prerequisite, 51-52.

The course includes a study of modern poetry, with the writing of original papers and exercises. Special attention will be given to poetic values and the technique of verse. Admission to class is conditional on grades made in previous courses in composition.

PROFESSOR PEASE

- *82. THE MODERN DRAMA. Second semester. Three credit hours. Prerequisite, 65-66.

This course is a study of the principal dramatic writers from the nineteenth century to the present time. Lectures, readings, and papers.

MISS MITCHELL

83. GREEK MASTERPIECES THROUGH ENGLISH TRANSLATIONS. First semester. Three credit hours. Prerequisite, 51-52.

A careful study is made of the various forms of Greek literature and the chief works in the fields of epic and lyric poetry, the drama, history, and philosophy.

This course is a required minor for an English major.

PROFESSOR ROCKWELL

84. LATIN MASTERPIECES THROUGH ENGLISH TRANSLATIONS. Second semester. Three credit hours. Prerequisite, 83.

This course, like 83, of which it is a continuation, is a required minor for an English major.

PROFESSOR ROCKWELL

62. USE OF THE LIBRARY. Second semester. Two credit hours. Prerequisite, 51-52.

The work includes a study of the card catalog, indexes, general reference books, and other bibliographical aids designed to help the student do efficient reference work for himself. Each student will work out a bibliography on some subject in which he is particularly interested.

MISS CUSHMAN

- 89-90. STORY TELLING. First and second semesters. Three credit hours each semester. Prerequisite, 51-52.

The right story, at the right time, told in the right way, is a necessity for those who work with children. The course covers history, analysis, choice of material, and technique. The work will take the form of stories, reports, discussions, book reviews, adaptations, and dramatizations.

MRS. MACKINNON

*Open only to juniors and seniors.

- 660-661. ENGLISH COMPOSITION. (For engineering students.)
 662-663. ENGLISH COMPOSITION. (For commerce students.)
 664-665. ENGLISH LITERATURE.

Courses 660 to 665 inclusive are given only for students in co-operative courses. For description see under English in the College of Engineering and Commerce.

SPEECH

MISS McEBRIGHT

A three-years' course is offered in the department of Speech. Progressive educators recognize a well-trained voice with well-trained mind to be an essential part of education, and a valuable asset in the business and social world. One semester of Speech is required for graduation.

91. ELEMENTARY COURSE. First semester. Repeated second semester.
 Three credit hours.

The fundamental principles of Voice and Speech are studied, including voice technique, tone-placing, tone-building, enunciation, literary analysis, gestures, and evolution of expression—vocal and physical.

MISS McEBRIGHT

92. ELEMENTARY COURSE. Second semester. Three credit hours.
 Prerequisite, 91.

This course is a continuation of 91. Particular attention is given to the study of literary analysis, gesture, evolution of expression, development of imagination, and sympathetic insight into literature.

MISS McEBRIGHT

- 93-94. ADVANCED COURSE. First and second semesters. Three credit hours each semester. Prerequisite, 91.

The first semester the work includes literary, dramatic, and artistic interpretation, and character study. Shakspeare's plays and classic comedies are studied.

In the second semester dramatic reading of plays is continued. Special attention is given to extempore speeches, critiques, and personal development.

MISS McEBRIGHT

- 95-96. DRAMATIC STUDY. First and second semesters. One credit hour each semester. Prerequisite, 91.

The Dramatic Study Club meets once a week for class work. Each member pledges himself not only to the class but to all rehearsals called by the president of the club, or by the instructor of the class. This club presents publicly all plays rehearsed. At least two plays a year will be presented.

MISS McEBRIGHT

- 97-98. PHYSICAL AND VOICE WORK. First and second semesters.
 One credit hour each semester.

This course is open to all upper classmen. Special attention is given to the needs of the individual student.

MISS McEBRIGHT

Instruction is given by the department of Speech to students who enter debates and the oratorical and Ashton Prize speaking contests.

FRENCH

(See MODERN LANGUAGES)

GERMAN

(See MODERN LANGUAGES)

GREEK AND LATIN

PROFESSOR ROCKWELL

GREEK

Major: A minimum of forty hours is required for a major in Greek and Latin. At least fourteen hours must be taken in Greek.

1-2. WHITE'S GREEK BOOK AND THE GOSPEL OF MARK. First and second semesters. Four credit hours each semester.

Special emphasis is placed on the structure of the Greek verb and the synopsis of tenses.

PROFESSOR ROCKWELL

3. SELECTIONS FROM PLATO. First semester. Three credit hours. Prerequisite, 1-2.

Special study is made of Socrates' position in philosophy and of the foundation he laid for modern thought. Not offered 1925-1926.

PROFESSOR ROCKWELL

4. SELECTIONS FROM HOMER'S ODYSSEY. Second semester. Three credit hours. Prerequisite, 3.

Homer's language, style, and times are investigated. Not offered 1925-1926.

PROFESSOR ROCKWELL

83. GREEK MASTERPIECES THROUGH ENGLISH TRANSLATIONS. First semester. Three credit hours.

A careful study is made of the various forms of Greek literature and the chief works in the fields of epic and lyric poetry, the drama, history, and philosophy. This course is a required minor for a major in English.

PROFESSOR ROCKWELL

CLASSICAL ARCHAEOLOGY

Courses 17 and 18 will count toward either major offered in this department.

*17-18. GREEK SCULPTURE. First and second semesters. Two credit hours each semester.

The early Greek schools are studied in their historical and art relations, and later the six Greek masters and the Hellenistic period.

During the second semester special topics for investigation are assigned to each member of the class.

PROFESSOR ROCKWELL

*Open only to juniors and seniors.

19. CLASSICAL MYTHOLOGY. First semester. Three credit hours. The origin of the myths and their historical background are studied with the many references to them in English literature. Not given in 1925-1926. PROFESSOR ROCKWELL

LATIN

Major: Four units of Latin are required of all students entering freshman Latin. Thirty-two hours constitute a major in Latin.

Forty hours constitute a major in Greek and Latin. At least fourteen hours must be taken in Greek.

25. CICERO'S DE AMICITIA AND OVID'S METAMORPHOSES I AND II. First semester. Four credit hours.

During the freshman year a careful study is made of sentence construction, idiomatic and rhetorical expressions, and written translations constitute an important feature of the work. Required of all freshmen in Majors I and II. PROFESSOR ROCKWELL

26. PLINY'S LETTERS, SELECTIONS. Second semester. Four credit hours.

Those letters are read which refer to the history and the private life of the times. Required of all freshmen in Majors I and II.

PROFESSOR ROCKWELL

27. LIVY, BOOK XXII. First semester. Three credit hours.

Livy's style as a historian and Hannibal's genius as a strategist are emphasized. Prerequisite, 25 and 26. PROFESSOR ROCKWELL

28. TERENCE'S ANDRIA, HORACE'S ODES AND EPODES. Second semester. Three credit hours. Prerequisite, 27.

The structure of Terence's play is carefully studied.

PROFESSOR ROCKWELL

29. CICERO'S DE OFFICIIS, BOOK III. First semester. Three credit hours. Prerequisite, 25 and 26.

The principles of the different schools of philosophy are taken up in detail and also Cicero's position in reference to the intuitional and utilitarian schools. Not offered 1925-1926. PROFESSOR ROCKWELL

30. HORACE'S SATIRES. Second semester. Three credit hours. Prerequisite, 29.

Horace's practical outlook on life is emphasized. Not offered 1925-1926.

PROFESSOR ROCKWELL

84. LATIN MASTERPIECES THROUGH ENGLISH TRANSLATIONS. Second semester. Three credit hours. Continuation of course 83.

This course is a required minor for a major in English.

PROFESSOR ROCKWELL

Opportunity is given students who have completed the first two years of Latin to take advanced courses in the literature, private life, and prose composition.

HISTORY

DEAN THOMPSON

MR. GARDNER

Major: Thirty hours elected above the freshman year constitute a major in History. Those students working for a major must take 281-2, 271-2, 287-8, 275-6, as basic requirements.

Most of the courses in this department are year courses; students cannot enter them in the middle of the year, nor is credit given until the year's work is completed. The only exceptions to this rule are Courses 279-280 and 281-282.

271-272. **MEDIEVAL HISTORY.** First and second semesters. Two credit hours each semester.

This course starts with the barbarian invasions, and extends through the middle ages up to the sixteenth century. MR. GARDNER

273-274. **ENGLISH HISTORY.** First and second semesters. Three credit hours each semester.

The first semester of this course covers the formation of the English race and civilization, the growth of a national government, economic and social conditions, and the influence of the church.

In the second semester emphasis will be laid on the colonial and present day problems of the British Empire. MR. GARDNER

*275-276. **HISTORY OF MODERN EUROPE (1815-1925).** First and second semesters. Three credit hours each semester.

Prerequisite for this course, either 271-2 or 281-2. The first semester covers the history of Europe from 1815 to 1870.

In the second semester special attention is given to present day problems. DEAN THOMPSON

277-278. **AMERICAN HISTORY.** First and second semesters. Three credit hours each semester.

This is a close study, during the first semester, of the foundations of nations, Jeffersonian and Jacksonian democracy, and the problems leading to the Civil War.

The problems of American history from the Civil War to the present time will be studied in the second semester. MR. GARDNER

279. **HISTORY OF CENTRAL AND SOUTH AMERICA.** First semester. Two credit hours.

This course is a study of the history, economic conditions, and diplomatic relations of Latin-America. DEAN THOMPSON

280. **HISTORY OF CANADA.** Second semester. Two credit hours.

A special study of the history of that great Dominion. MR. GARDNER

*Open only to juniors and seniors.

281-282. ANCIENT HISTORY. First and second semesters. Two credit hours each semester.

The first part of the course is devoted to a study of the ancient oriental empires and Greece.

The second semester covers the Roman Empire. MR. GARDNER

*283-284. POLITICAL GEOGRAPHY. First and second semesters. Two credit hours each semester. Prerequisite, 273-274 or 275-276.

This course is a study of problems in political geography which are effects of the Great War. DEAN THOMPSON

*285-286. RENAISSANCE AND REFORMATION. First and second semesters. Two credit hours each semester. Prerequisite, at least twelve hours of history.

The first semester is an intensive study of the Renaissance movement. The second semester covers a like study of the Reformation.

DEAN THOMPSON

*287-288. BEGINNINGS OF MODERN EUROPEAN HISTORY. First and second semesters. Two credit hours each semester. Prerequisite, 271-272.

The first semester extends from the sixteenth century to the Treaty of Utrecht.

The second semester covers the period to the Congress of Vienna.

Not offered in 1925-1926. MR. GARDNER

290. CURRENT EVENTS. Second semester. One credit hour. A required course for all freshman women. DEAN THOMPSON

293-294. AMERICAN COLONIAL HISTORY. First and second semesters. Two credit hours each semester.

In the first semester the Colonial period is covered to 1688.

The second semester deals with the later forms of government, customs, and causes of the Revolutionary War. MR. GARDNER

LATIN

(See GREEK and LATIN)

MATHEMATICS

PROFESSOR JONES

PROFESSOR EGBERT

MISS LIPSCOMBE

Major: A total of thirty-two hours is required for a major in mathematics. Courses 301, 302, 303, 304, and 305 must be included.

*Open only to juniors and seniors.

302. ALGEBRA. First semester. Repeated second semester. Four credit hours.

The course includes a review of elementary algebra, and takes up the study of surds, linear and non-linear equations, proportion and variation, progressions, mathematical induction and binomial theorem, and permutations and combinations.

PROFESSOR JONES, PROFESSOR EGBERT, MISS LIPSCOMBE

301. TRIGONOMETRY. Second semester. Also offered the first semester. Four credit hours.

The following topics are studied: angles and their measurements, the trigonometric functions, fundamental identities, reduction theorems, addition and multiplication theorems, trigonometric equations, the inverse trigonometric functions, the right and oblique triangles, and logarithms.

PROFESSOR JONES, PROFESSOR EGBERT, MISS LIPSCOMBE

303. ANALYTIC GEOMETRY. First semester. Four credit hours. Prerequisites, 301 and 302.

The following topics are studied: the straight line, the circle, conic sections, loci, polar co-ordinates and curves, transformation of co-ordinates, the plane, the line, and surfaces of second degree in space.

MISS LIPSCOMBE

304. DIFFERENTIAL CALCULUS. Second semester. Four credit hours. Prerequisite, 303.

This course takes up the study of differentiation, maxima and minima, curve tracing, curvature, indeterminate forms, expansion of functions, and applications of geometry and mechanics.

PROFESSOR EGBERT

*305. INTEGRAL CALCULUS. First semester. Five credit hours. Prerequisite, 304.

This course includes the integration of functions by general and special methods; the determination of lengths, areas, and volumes; and numerous applications, such as center of gravity, moment of inertia, and center of pressure.

PROFESSOR EGBERT

309. HISTORY OF MATHEMATICS. First semester. Three credit hours. Prerequisites, 301 and 302.

The history of the invention and development of the notions, languages, symbols, and methods of elementary mathematics will be taken up in this course.

PROFESSOR JONES

DIFFERENTIAL EQUATIONS. Second semester. Three credit hours. Prerequisite, 305.

PROFESSOR JONES

*Open only to juniors and seniors.

321-322. DESCRIPTIVE ASTRONOMY. First and second semesters.
Three credit hours each semester. Prerequisites, 301
and 302.

During the first semester this course takes up the study of the celestial sphere, astronomical instruments, elementary celestial mechanics, and the solar system.

During the second semester the following subjects are studied: the fixed stars, double stars, nebulae, constellations, cosmogony.

PROFESSOR EGBERT

650-651, 652-653, 654, 655-666. ENGINEERING MATHEMATICS.

658-659. COMMERCE MATHEMATICS.

These courses are given only for students in co-operative courses. For description see under Mathematics in the College of Engineering and Commerce.

MODERN LANGUAGES

PROFESSOR BULGER

ASSISTANT PROFESSOR REED

MR. TAILLIART

MISS ROGERS

MR. BREITENBUCHER

DR. KOLBE

Candidates for entrance presenting but one year of modern language may take the second year on trial if they made a grade of at least 85%. If their grade was lower than 85%, they must take the first year over, and they will receive only half credit for the work.

Students presenting one or two years of a foreign language for entrance will enter the second year; those presenting three or four years will enter the third year.

Major: The minimum for a major in this department is 40 hours. The work must include at least 20 hours of each of two of the languages offered (German, French, Spanish).

FRENCH

151-152. BEGINNING FRENCH. First and second semesters. Four credit hours each semester.

The work in the first semester includes a thorough study of grammar, with special emphasis upon dictation and oral work.

In the second semester, work in grammar is continued with the reading of two hundred or more pages of French.

ASSISTANT PROFESSOR REED

153-154. **SECOND YEAR FRENCH.** First and second semesters. Three credit hours each semester. Prerequisite, 151-152.

This course reviews grammar and stresses idioms and irregular verbs. It includes the reading of stories and plays, with a required resumé of each written in French.

ASSISTANT PROFESSOR REED AND MR. TAILLIART

155-156. **THIRD YEAR FRENCH: THE FRENCH NOVEL.** First and second semesters. Prerequisite, 153-154.

The work includes the reading and study of eight or nine leading novels of the nineteenth century, with a required resumé of each written in French.

ASSISTANT PROFESSOR REED

157-162. **ADVANCED FRENCH.** First and second semesters. Three credit hours each semester. Prerequisite, 155-156.

This course will be chosen from the following list: 157-158, The French Drama of the 17th Century; 159-160. A survey of French Literature; 161-162, Modern Literature.

MR. TAILLIART

SPANISH

171-172. **BEGINNING SPANISH.** First and second semesters. Four credit hours each semester.

This course is designed to give intensive training in composition, dictation, conversation, and the reading of simple prose.

MISS ROGERS AND MR. TAILLIART

173-174. **SECOND YEAR SPANISH.** First and second semesters. Three credit hours each semester. Prerequisite, 171-172.

This course includes a review of grammar, with dictation, conversation, and the reading of several texts.

MISS ROGERS AND MR. TAILLIART

175-176. **THE SPANISH DRAMA.** First and second semesters. Three credit hours each semester. Prerequisite, 173-174 or the equivalent with a grade not lower than B.

The first semester includes the study of the Spanish drama of the seventeenth century, followed by the reading of selected plays of the nineteenth century and the present epoch in the second semester. Collateral assignments and reports are required throughout the year, as well as dictation and resúmes in Spanish.

MISS ROGERS

177-178. **THE SPANISH NOVEL.** First and second semesters. Three credit hours each semester. Prerequisite, 173-174 or the equivalent with a grade not lower than B.

This course includes the reading of Don Quixote and representative works of Spanish novelists of the nineteenth and twentieth centuries. This course and 175-176 are given in alternate years. Not offered 1925-1926.

MISS ROGERS

671-672. BEGINNING SPANISH.

673-674. SECOND YEAR SPANISH.

Courses 671-672 and 673-674 are given only for students in co-operative courses. For description, see under Spanish in the College of Engineering and Commerce.

GERMAN

101-102. FIRST YEAR GERMAN. First and second semesters. Four credit hours each semester.

This course is designed for beginners and consists of grammar and easy readings, with practice in speaking and writing German.

PROFESSOR BULGER

103-104. SECOND YEAR GERMAN. First and second semesters. Three credit hours each semester. Prerequisite, 101-102.

In this course a review of grammar is given with advanced readings of prose and verse. Special emphasis is put upon the practice of writing and speaking German.

PROFESSOR BULGER

107-123. ADVANCED GERMAN. First and second semesters. Three credit hours each semester. Prerequisite, 103-104.

At least one of the following advanced courses will be offered: 107-108, Goethe; 111-112, History of German Literature; 115-116, Schiller; 123, Lessing, and 118, Modern Drama. These courses are conducted entirely in the German language and require reports of research work.

PROFESSOR BULGER

PHILOSOPHY AND SOCIOLOGY

PROFESSOR OLIN

ASSISTANT PROFESSOR DAVIS

MISS HOWELL

Major: A full major is given in the department, consisting of Philosophy, Ethics, Psychology, Logic, and Sociology. Thirty hours.

201-202. PSYCHOLOGY. First and second semesters. Three credit hours each semester. Text-book: Essentials of Psychology, Pillsbury.

This is an introductory course covering the whole subject. Experiment and seminar work accompany the text.

PROFESSOR OLIN

*203-204. ETHICS. First and second semesters. Three credit hours each semester. Text-books: Mackenzie and Valentine.

This is a study of the ideals and standards of conduct, the development of the individual life, and the laws of moral progress. Prerequisite, Psychology 201-202.

PROFESSOR OLIN

*Open only to juniors and seniors.

206. LOGIC. Second semester. Three credit hours.

Logic deals with the science of reasoning and the methods of research. It should be taken in the sophomore year, but is open to all upper classmen. PROFESSOR OLIN

*207-208. PHILOSOPHY. First and second semesters. Three credit hours each semester. Text-book: Fletcher's Introduction to Philosophy.

This is an elementary course in the history and scope of Philosophy, the nature of reality and knowledge, the categories of the understanding, and the relation of consciousness to the external world. Prerequisite, Psychology 201-202. PROFESSOR OLIN

213. SOCIAL ORIGINS. First semester. Three credit hours.

This course deals with the biological and environmental factors in social development, the origin and antiquity of man, social heredity, races and peoples, tribal society, culture history, and the development of social institutions—the family, religion, law and government.

ASSISTANT PROFESSOR DAVIS

214. SOCIAL PROBLEMS. Second semester. Three credit hours.

This course deals with socialization and social control; problems of population and the home; poverty, anti-social behavior, principles of social action and methods of social betterment, and the incentives for individual and social effort. Prerequisite, 213.

ASSISTANT PROFESSOR DAVIS

*215. SOCIAL APPLICATIONS AND POLICIES. First semester. Three credit hours.

This is a course in Applied Sociology, using the facts and principles already learned and giving opportunity for field work. Prerequisite, 213-214. PROFESSOR OLIN

221-222. SOCIAL CASE WORK. First and second semesters. Three credit hours each semester. Two recitations and one credit hour of field work.

This is an introductory course in the treatment of individuals and families socially maladjusted. It includes the study of minimum standards for normal living; such social problems as dependency, delinquency, and mental defect; and community facilities for meeting these problems. Prerequisite, 213-214 or their equivalent, or experience in social work.

MISS HOWELL

*Open only to juniors and seniors.

PHYSICS

PROFESSOR HOUSEHOLDER

MR. DAVIES

Major: Thirty hours of Physics. The following courses, or their equivalents, must be included: 331-332, 333, 334 335, 336, 336a, 340, 338 and 339.

Minors: Literature 6 hours, History 6 hours, Philosophy or Sociology 6 hours, Economics or Political Science 6 hours, Public Speaking 3 hours, Biology 8 hours, Chemistry 8 hours; two years of foreign language, preferably German; and Mathematics 301, 302, 303, 304, and 305.

331-332. GENERAL PHYSICS. First and second semesters. Four credit hours each semester. Two recitations and six hours of laboratory work per week.

This is an introductory course of lectures, recitations, and laboratory exercises planned to give the student a general survey of the subject and its applications. No mathematics beyond that taken in the high school is required.

PROFESSOR HOUSEHOLDER, MR. DAVIES

333. HEAT. First semester. Four credit hours. Two recitations and six hours of laboratory work per week.

This is a more thorough course than 331-332 in the nature of heat, its effects, its measurement, and its relation to work, with an introduction to the kinetic theory. Prerequisite, 331-332. Not offered in 1925-1926.

MR. DAVIES

334. ELECTRICITY AND MAGNETISM. Second semester. Four credit hours. Two recitations and six hours of laboratory work per week.

This is a more thorough and extended course in magnetism and electricity than is possible in 331-332. It includes explanations and discussions based on the electron theory. The laboratory work is concerned chiefly with the theory and use of electrical measuring instruments for direct currents. Prerequisite, 331-332. Not offered in 1925-1926.

MR. DAVIES

335. ELEMENTARY LIGHT. First semester. Four credit hours. Two recitations and six hours of laboratory work per week.

This is an elementary course in light and radiation, completing the general courses 331-332. The chief emphasis will be on the laws of geometrical optics; the theory of the microscope, telescope, camera, etc.; and the production and distribution of light for home use. No prerequisites.

PROFESSOR HOUSEHOLDER

- *336. LIGHT. Second semester. Three credit hours. Three recitations per week.

This is an advanced course in the theory of light, including the development of the wave theory, its influence and use in the study of spectra, and its applications in physical, chemical, and metallurgical testing laboratories. Special emphasis is placed on the part played by optics in present-day research. Prerequisite, 331-332, 333, 334, and 335.

PROFESSOR HOUSEHOLDER

- *336a. LIGHT LABORATORY. Second semester. Two credit hours. Laboratory work accompanying 336. Six hours of laboratory work per week.

Interference, diffraction, and polarization phenomena, and their uses; spectrum analyses. This course must be taken either with, or after, 336.

PROFESSOR HOUSEHOLDER

- *340. ELECTRICAL MEASUREMENTS. Second semester. Three credit hours. One lecture and two laboratory periods per week.

This is a continuation of 334, including measurements in capacitance, inductance, oscillating currents, and conduction through gases. Prerequisite, 331-332, 333, 334.

MR. DAVIES

- *338. THESIS COURSE. Two credit hours.

This is an individual problem course intended to give seniors the opportunity to carry on an extensive study of some particular problems that have arisen in connection with 333, 334, 336, 337, or 340.

PROFESSOR HOUSEHOLDER

339. ELECTRON THEORY AND ITS APPLICATION. First semester. Two credit hours.

The work includes a review of the experimental evidence that has led to the establishment of the electron theory of electricity and its use in the explanation of phenomena in everyday life. Prerequisite, 331 and 332.

PROFESSOR HOUSEHOLDER

341. RADIO. First semester. Two or three hours. One lecture and one or two laboratory periods per week.

A discussion of the elementary principles of wireless telephony and telegraphy with laboratory practice in the determination of the characteristics of crystal detectors and vacuum tubes, and the measurements of capacitance, inductance, wave lengths, logarithmic decrements, etc.

MR. DAVIES

- *342. PHYSICAL MEASUREMENTS. Either semester. Hours to be arranged and credits granted according to work done.

This is an advanced course in physical measurements open to advanced students only.

PROFESSOR HOUSEHOLDER, MR. DAVIES

*Open only to juniors and seniors.

*343. MODERN PHYSICAL THEORIES. Either semester. Two credit hours.

This is a lecture and reading course intended to aid the student in keeping abreast with the newer developments in physical sciences. Open only to advanced students.

ENGINEERING COURSES

679-680. MECHANICS (Freshman course).

681-682. MECHANICS (Sophomore course).

683. HEAT AND LIGHT.

These courses are given only for students in co-operative engineering courses. For description see under Physics in the College of Engineering and Commerce.

THE COURSE IN PHYSICS

The following course is submitted for those students who plan to major in Physics, and will be adhered to as closely as possible.

FRESHMAN YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Rhetoric 51	3	Rhetoric 52	3
Mathematics 302	4	Mathematics 301	4
Physics 331	4	Physics 332	4
Modern Language	3 or 4	Modern Language	3 or 4
Physical and Military Training..	2	Physical and Military Training..	2

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mathematics 303	4	Mathematics 304	5
Physics 333	4	Physics 334	4
Modern Language	3 or 4	Modern Language	3 or 4
Physical and Military Training..	2	Physical and Military Training..	2

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mathematics 305	5	Physics 336	3
Physics 335	4	Physics 336a	2
Chemistry 353	4	Chemistry 354	4
Electives		Electives	

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Physics 340 and 338.....	5	Physics 339	2 or 3
Biology 401	4	Biology 402	4
Electives		Electives	

*Open only to juniors and seniors.

POLITICAL SCIENCE AND ECONOMICS

PROFESSOR CRECRAFT

ASSISTANT PROFESSOR DAVIS

MR. HALLENBECK

Major: A major includes twenty-four hours in addition to the required freshman courses in American Government. All work for the major may be in political science, or part in political science and part in economics.

POLITICAL SCIENCE

261-262. AMERICAN GOVERNMENT. First and second semesters. Four credit hours each semester. 261 and 262 are repeated each semester.

This course is required of all freshmen in courses leading to the A. B. degree. The first semester is also required of all freshmen in Teachers College.

The first semester includes a study of the origin, growth, structure, and activities of the national government.

The second semester emphasizes state and local government, including the political systems of the state, county, and local governments.

PROFESSOR CRECRAFT, MR. HALLENBECK

263-264. MUNICIPAL GOVERNMENT AND ADMINISTRATION. First and second semesters. Three credit hours each semester.

This course emphasizes municipal government the first semester, and municipal administration the second. It is open to all upper classmen. Topics included are municipal development; relations with state government; municipal powers, duties, and liabilities; municipal charters, elections, and popular control. All the administrative activities of the modern city are included the second semester.

MR. HALLENBECK

265. AMERICAN POLITICAL PARTIES. First semester. Three credit hours. Open to all upper classmen.

The course includes a study of political parties in the United States from the point of view of evolution, structure, composition, and functions.

PROFESSOR CRECRAFT

266. EUROPEAN GOVERNMENTS AND PARTIES. Second semester. Three credit hours. Open to all upper classmen.

This course is to acquaint students with the essential features of the government and politics of Europe.

PROFESSOR CRECRAFT

267. WORLD POLITICS. First semester. Three credit hours. Prerequisite, American Government 261-262.

This is a course which traces the development of the foreign policies of the great powers. The growth of conflicting policies, the means of reconciling same, and the international machinery for adjusting international differences, are among the topics included.

PROFESSOR CRECRAFT

270. INTERNATIONAL LAW. Second semester. Three credit hours.
Prerequisite, American Government 261-262.

This course includes the rules and practices which determine the conduct of nations in peace, in war, and in neutrality. Attention is paid to the modern peace movement. PROFESSOR CRECRAFT

253. CONSTITUTIONAL LAW. First semester. Three credit hours.
Prerequisite, American Government 261-262.

This course is a study of the United States Constitution, emphasis being placed on constitutional development through cases, controversies, and judicial interpretation. PROFESSOR CRECRAFT

252. GOVERNMENT AND BUSINESS. Second semester. Three credit hours.
Prerequisite, American Government 261-262 and courses 263-264 or 265-266.

This course is intended to acquaint students with the relation of government to business. It includes an analysis of the numerous ways in which government and business are in contact. PROFESSOR CRECRAFT

ECONOMICS

451. PRINCIPLES OF ECONOMICS. First semester. Three credit hours.

The work covers the basic principles and concepts in economics; the production, consumption, and distribution of wealth. This course or its equivalent is required for entrance to any other course in economics. Students planning to do advanced work in economics should take this course in their sophomore year. ASSISTANT PROFESSOR DAVIS

452. PRINCIPLES OF ECONOMICS. Second semester. Three credit hours. Prerequisite, 451.

This course gives an introduction to labor organization, labor problems, money, credit and banking, international trade and foreign exchange, economic crises, transportation, agricultural problems, social programs, public receipts and public expenditures. ASSISTANT PROFESSOR DAVIS

- *453. LABOR PROBLEMS. First semester. Three credit hours. Prerequisite, 451-452.

Not offered in 1925-1926. ASSISTANT PROFESSOR DAVIS

- *454. CONCENTRATION AND CONTROL. Second semester. Three credit hours. Prerequisite, 451-452.

Not offered in 1925-1926. ASSISTANT PROFESSOR DAVIS

*Open only to juniors and seniors.

- *455. **MONEY AND BANKING.** First semester. Three credit hours.
Prerequisite, 451-452.

This course deals with the principles of money, credit and banking, the functions of money, the gold standard and other standards, paper money, the different types of credit and banking institutions, with especial attention to the Federal Reserve System. ASSISTANT PROFESSOR DAVIS

- *456. **BUSINESS ORGANIZATION AND FINANCE.** Second semester.
Three credit hours. Prerequisite, 451-452.

This course deals with the different forms of business organization; the formation, promotion, and financial policies of corporations; forms of securities, nature and elements of capitalization, methods of underwriting, distribution of profits, consolidation and reorganization. ASSISTANT PROFESSOR DAVIS

- *457. **ECONOMIC THEORY.** First semester. Three credit hours. Prerequisite, 451-452.

Not offered in 1925-1926. ASSISTANT PROFESSOR DAVIS

- *458. **FOREIGN COMMERCE AND FOREIGN EXCHANGE.** Second semester. Three credit hours. Prerequisite, 451-452.

Not offered in 1925-1926. ASSISTANT PROFESSOR DAVIS

SOCIOLOGY

(See PHILOSOPHY and SOCIOLOGY)

SPANISH

(See MODERN LANGUAGES)

SPEECH

(See ENGLISH)

*Open only to juniors and seniors.

COLLEGE OF ENGINEERING AND COMMERCE

FRED E. AYER, C. E., *Dean*

GENERAL INFORMATION

The Directors of the Municipal University of Akron established the College of Engineering in 1914, and adopted the five-year co-operative course patterned after the "Cincinnati Plan".

In 1921 the Department of Commerce and Administration became a department of the Engineering College and the name of the latter was changed to the College of Engineering and Commerce. Business training students enrolled previous to 1923 will continue on full time; all other students must do outside work.

The "Cincinnati Plan" aims to give the student a thorough training in both theory and practice by requiring the practice to be learned under actual commercial conditions in local industrial and business organizations, and the underlying science to be studied in the University under trained educators. To accomplish this the students are grouped in two sections, one of which is at work and the other in attendance at the University. For example, A, who is in section one, attends classes at the University for three weeks while B, who is paired with A, and who is in section two, is at work. Then they change places, and B attends the University for three weeks while A is at work. Of course this necessitates the giving of all University work twice—once for each section.

Five years of eleven months each are required to complete the course, each student being allowed a vacation of one week at Christmas time, one week at Easter or during commencement week, and two weeks in the latter part of the summer.

Candidates for admission are required to spend the summer preceding their entrance, at continuous work on a job provided by the University. This probationary period affords the student an opportunity to test his fitness and liking for the course, and demonstrates his ability to satisfy his employer.

While a student is at work he is subject to all the rules and regulations imposed by his employer upon the other employees. All existing labor laws and conditions, including those pertaining to liability for accident, apply to the student in the same way as to any other employee.

In order to operate a co-operative course, the college must be located in or near an industrial center, and, while there are over six hundred colleges and universities in the United States, yet comparatively few of them are so located that such a course is practicable. Akron is essentially a manufacturing center, and the President and Directors of the Municipal University of Akron selected this type of vocational education as being the latest and the one best adapted to the city's needs; therefore no other courses in Engineering and Commerce are offered.

INDUSTRIAL ENGINEERING

This co-operative course, which was provided for those who wished to take up the business side of engineering activity, is discontinued. Students now enrolled in the course will be permitted to complete their work and graduate. The new co-operative commercial course seems to meet the needs of students desiring to enter this field. It is possible for students in the commercial course interested in engineering to elect some engineering subjects.

OUTSIDE WORK

The Department of Co-ordination and the employer so plan the work that the student gets a carefully graded training beginning with work requiring no skill or experience and ending with actual professional work.

The outside work and courses of study are co-ordinated by technically trained men experienced in professional practice. Throughout the five years of University work they will give courses whose aim is two-fold. First, they supplement the outside training by explaining the different operations, the sequence of work, the technicalities of the machine, and, in short, any part of the work which the student does not understand, and which the foreman has not time to explain. This shows the student the vast educational opportunities open to him in his outside work and makes him more useful to his employer. Secondly, these courses cover the field of business, factory organization, and cost accounting, routing of work for efficient production, study of the conditions leading to maximum production, and the influence of work environment. The instruction given in all the courses is carefully planned to develop in each student the power of observation and the ability to analyze the problems arising in his work.

The outside work, properly co-ordinated with the University training, furnishes a large part of the technical detail required in professional subjects.

WAGES

The primary object of requiring outside work is to give the student practical experience and not to enable him to earn money. In most cases the student's earnings are not sufficient to pay his expenses.

Engineering and Commerce students are paid for their outside work the same as other employees. Beginners are paid a little more than apprentices and are increased according to a rate agreed upon by the employer and the Department of Co-ordination. Students are paid only for the time actually employed, and receive their wages direct, as does any other employee.

DEGREES

The degrees of Civil Engineer, Mechanical Engineer, Electrical Engineer, and Bachelor of Science in Commerce and Administration will be given to those students who satisfactorily complete the required work. In addition to his diploma, each student will receive a certificate showing in detail his practical experience.

MILITARY TRAINING

Military training under the direct supervision of the United States Government is required of all male students physically fit. Men entering the College of Engineering and Commerce are exempt only if they have been two years in attendance at another institution of collegiate grade. It takes three years to complete the basic course on the co-operative or part-time plan, or two years and a basic camp. All freshmen are urged to attend the basic camp at the end of the freshman year. Satisfactory arrangements have been made in the summer school for such attendance.

The advanced course is elective and is open to all who satisfactorily complete the basic course. The work of the military department is described in detail in the general catalog.

ADMISSION

The following supplements the statement of general entrance requirements previously made (see introductory pages).

Candidates for admission must be at least sixteen years of age, and must present fifteen units of secondary school work. Students will be admitted with entrance conditions amounting to not more than one unit. Such conditions must be removed during the freshman year.

Application blanks properly filled out and entrance credits must be submitted prior to July 1.

ENTRANCE REQUIREMENTS

The following units are required for admission:

English	3	units
*Mathematics (Algebra 1½, Pl. Geom. 1)	2½	units
*Solid Geometry (engineering students)	½	unit
History	1	unit
Science	1	unit
*Foreign Language	2	units
Electives	5 or 5½	units

ESTIMATED EXPENSE OF FRESHMAN YEAR

FIRST SEMESTER

	Resident	Non-Resident
Tuition	Free	\$ 60.00
Fees	\$33.00	33.00
Books and Drawing Instruments	40.00	40.00
Total	\$73.00	\$133.00

SECOND SEMESTER

	Resident	Non-Resident
Tuition	Free	\$ 60.00
Fees	\$28.00	28.00
Books	8.00	8.00
Total	\$36.00	\$96.00

SUMMER TERM

	Resident	Non-Resident
Tuition	Free	\$25.00
Fees	\$ 2.00	2.00
Books	5.00	5.00
Total	\$ 7.00	\$32.00

Board and room can be obtained for approximately \$10.00 per week.

*Students who enter with a condition in solid geometry must remove it by the end of the freshman year. One unit of algebra and one unit of Pl. Geometry are required for admission to Commerce course. Students who enter conditioned in foreign language must remove such conditions before graduation.

MECHANICAL ENGINEERING 1925-1926

FRESHMAN YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 650	6	Mathematics 651	6
Drawing 727	4	Drawing 728	4
Physics 679	5	Physics 680	5
Engineering Laboratory 721	4	Engineering Laboratory 721	4
Co-ordination 700-702	2	Co-ordination 701-703	2

SUMMER TERM

Military Training Camp	22
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SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 652	6	Mathematics 653	6
Physics 681	6	Physics 682	6
Descriptive Geometry 729	4	Heat Engineering 742	5
Co-ordination 704	1	Co-ordination 705	1

SUMMER TERM

Mathematics 654	6
Machine Drawing 730	12
Mechanical Engineering Laboratory 752	4

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mathematics 655	3	Mathematics 656	3
Chemistry 689	8	Chemistry 690	8
Physics 683	5	Strength of Materials 837	6
Mechanism 733	5	Materials Laboratory 817	4
Mechanism Drawing 735	2	Mechanical Engineering 762	3

SUMMER TERM

Chemistry of Combustion 691	6
Hygiene and Sanitation 695	16

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mechanical Engineering 763	4	Mechanical Engineering 764	4
Metallurgy 692	6	Machine Design 736	6
D. C. Electricity 905	6	A. C. Electricity 906	6
D. C. Laboratory 907	4	A. C. Laboratory 908	4
English Composition 660	4	English Composition 661	4

SUMMER TERM

Machine Design 737	12
Mechanical Engineering Laboratory 753	10

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mechanical Engineering 765	4	Mechanical Engineering 766	4
Hydraulics 747	6	Thermodynamics 744	6
Economics 687	6	Economics 688	6
Accounting 1063C	6	Business Administration 1037C	6
English Literature 664	2	English Literature 665	2

CIVIL ENGINEERING 1925-1926

FRESHMAN YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 650	6	Mathematics 651	6
Drawing 727	4	Drawing 728	4
Physics 679	5	Physics 680	5
Engineering Laboratory 721	4	Engineering Laboratory 721	4
Co-ordination 700-706	2	Co-ordination 701-707	2
SUMMER TERM			
Military Training Camp			22

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 652	6	Mathematics 653	6
Physics 681	6	Physics 682	6
Descriptive Geometry 729	4	Heat Engineering 742	5
Co-ordination 708	1	Co-ordination 709	1
SUMMER TERM			
Surveying 810			16
Mathematics 654			6

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 689	8	Chemistry 690	8
Mathematics 655	3	Mathematics 656	3
Physics 683	5	Strength of Materials 837	6
Roofs and Bridges 851	6	Materials Laboratory 817	4
SUMMER TERM			
Railroads 853			10
Reinforced Concrete 873			8
Cement Testing 861			4

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English Composition 660	4	English Composition 661	4
Hydraulics 747	6	Highways 856	4
D. C. Theory 905	6	A. C. Theory 906	6
D. C. Laboratory 907	4	A. C. Laboratory 908	4
Concrete Design 879	6	Steel Design 874	6
SUMMER TERM			
Hygiene and Sanitation 695			16
Geology 872			6

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Accounting 1063C	6	Business Administration 1037C	6
Sewerage 881	6	Water Supply 882	6
Economics 687	6	Economics 688	6
Engineering Design 883	2	Engineering Design 884	2
English Literature 664	2	English Literature 665	2

ELECTRICAL ENGINEERING 1925-1926

FRESHMAN YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 650	6	Mathematics 651	6
Drawing 727	4	Drawing 728	4
Physics 679	5	Physics 680	5
Engineering Laboratory 721	4	Engineering Laboratory 721	4
Co-ordination 700-710	2	Co-ordination 701-711	2
SUMMER TERM			
Military Training Camp	22		

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Military Training	2	Military Training	2
Physical Training	1	Physical Training	1
Mathematics 652	6	Mathematics 653	6
Physics 681	6	Physics 682	6
Descriptive Geometry 729	4	Heat Engineering 742	5
Co-ordination 712	1	Co-ordination 713	1
SUMMER TERM			
Mathematics 654	6		
Machine Drawing 730	12		
Mechanical Engineering Laboratory 752	4		

PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Mathematics 655	3	Mathematics 656	3
Chemistry 689	8	Chemistry 690	8
English Composition 660	4	English Composition 661	4
D. C. Theory 905	6	A. C. Theory 906	6
D. C. Laboratory 907	4	A. C. Laboratory 908	4
SUMMER TERM			
Hygiene and Sanitation 695	16		
Chemistry of Combustion 691	6		

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Economics 687	6	Economics 688	6
Advanced Electrical Theory 911	5	Advanced Electrical Theory 912	5
Advanced Electrical Laboratory 913	2	Advanced Electrical Laboratory 914	4
Physics 683	5	Strength of Materials 837	6
Metallurgy 692	6	Materials Laboratory 817	4
SUMMER TERM			
Advanced Electrical Theory 920	14		
Advanced Electrical Laboratory 922	8		

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Hydraulics 747	6	Thermodynamics 744	6
Electric Power Transmission 941	4	Electric Railways 952	4
Special Electrical Problems 961	6	Special Electrical Problems 962	6
Accounting 1063C	6	Business Administration 1037C	6
English Literature 664	2	English Literature 665	2

INDUSTRIAL ENGINEERING

1925-1926

(Discontinued except for those already in course)

JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English Literature 664	2	English Literature 665	2
D. C. Theory 905	6	A. C. Theory 906	6
D. C. Laboratory 907	4	A. C. Laboratory 908	4
Industries and Resources of Akron 1057C	4	Industries and Resources of Akron 1058C	4
Business Finance 1035C	6	Business and Industrial Problems 1055C	4

SUMMER TERM

Markets, Domestic Commerce 1043C	22
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SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Elementary Law 1039C	6	Business Law 1047C	6
Cost Accounting 1051C	6	Cost Accounting 1052C	6
Industrial and Business Economics 1029C	6	Business Administration 1037C	6
Thesis 1065C	4	Thesis 1066C	4

COMMERCE AND ADMINISTRATION

(Co-operative)

1925-1926

FRESHMAN YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
*Military Training	2	*Military Training	2
Physical Training	1	Physical Training	1
Mathematics 658	6	Mathematics 659	6
Drawing 727	4	Industrial and Commercial Geography 1019C	6
Accounting 1027C	6	Accounting 1028C	6
Co-ordination 700-714	2	Co-ordination 701-715	2

SUMMER TERM

*Military Training Camp	22
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*For Men only.

SOPHOMORE YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
*Military Training	2	*Military Training	2
Physical Training	1	Physical Training	1
Economics 687	6	Economics 688	6
Modern Language 671	6	Modern Language 672	6
English Composition 662	5	English Composition 663	5
Co-ordination 716	1	Co-ordination 717	1

SUMMER TERM

Economic Development of United States 1021C	22
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PRE-JUNIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 63	3	English 64	3
Business Finance 1035	3	Railroads and Traffic Problems 1049	3
Money and Banking 1045	3	Statistics 1040	3
Modern Language 673	3	Modern Language 674	3
Science	4	Science	4

SUMMER TERM

Markets, Domestic Commerce 1043	11
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COMMERCE AND ADMINISTRATION

(Full Time)

1925-1926

(Discontinued except for those already in course)

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Government or Sociology	3	Government or Sociology	3
Cost Accounting 1051	2	Cost Accounting 1052	2
Foreign Commerce 1053	2	Business and Industrial Problems 1055	2
Markets, Domestic Commerce 1043	3	Business Administration 1037	3
Electives	3	Advertising 1060	2
Thesis 1065	2	Thesis 1066	2

SECRETARIAL COURSE

1925-1926

(Discontinued except for those already in course)

SENIOR YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Business Finance 1035	3	Business Administration 1037	3
Office Practice 1041	3	Office Practice 1042	3
History or Government	3	History or Government	3
Sociology 213	3	Sociology 214	3
Electives	4	Business Law 1047	3
Thesis 1065	2	Thesis 1066	2

*For Men only.

DEPARTMENTS OF INSTRUCTION

The general system of numbering and arrangement is according to the following order:

Subject	Course Number
Biology	695- 698
Chemistry	689- 694
Civil Engineering	800- 899
Commerce	1000-1099
Co-ordination	700- 719
Economics	687- 688
Electrical Engineering	900- 999
English	660- 670
Mathematics	650- 659
Mechanical Engineering	720- 799
Physics	679- 686
Spanish	671- 678

COURSES FOR 1925-1926

BIOLOGY

PROFESSOR PLOWMAN

695. HYGIENE AND SANITATION. Summer term. Sixteen credit hours. Two hours of lecture or recitation, three hours of laboratory work, and two hours of assigned reading daily.

A rapid survey of the fundamental laws and principles of biology, followed by a more detailed study of selected problems in nutrition, personal hygiene, first aid, sanitation, and public health.

PROFESSOR PLOWMAN

CHEMISTRY

MR. SCHAEFER

MR. ANDERSON

689-690. ENGINEERING CHEMISTRY. First and second semesters. Eight credit hours each semester. Four recitations and eight laboratory hours per week.

A study of the fundamental principles and theories of chemistry.

The second semester is a systematic study of the properties of the elements and their compounds. The laboratory work for both semesters consists mainly of the preparation of compounds with some supplementary experiments.

MR. ANDERSON

691. CHEMISTRY OF COMBUSTION. Summer term. Six credit hours.

A study of the various solid, liquid, and gaseous fuels by the methods of proximate and ultimate analysis of their constituents, and calorimetric tests of their heating values. The analysis of flue-gas, coal, gas and oils, and the chemical effects of improper air supply, are included.

MR. SCHAEFER

692. METALLURGY OF IRON AND STEEL. First semester. Six credit hours. Four recitations and four laboratory hours per week.

Recitations and lectures on the manufacture, properties and uses of iron and steel. Laboratory work in heat-treating of steel and microscopic examination of metals and alloys.

MR. SCHAEFER

CIVIL ENGINEERING

PROFESSOR DURST

ASSISTANT PROFESSOR BULGER

810. SURVEYING. Summer term. Sixteen credit hours.

This course consists of the surveying and computation of areas, tests and adjustments of instruments, stadia and plane table work and contour mapping. At least one Polaris observation is made. Most of the work is done away from the campus. Prerequisite 721. PROFESSOR DURST

817. MATERIALS LABORATORY. Second semester. Four credit hours.

Compression tests of brick, concrete, wood, cast iron and steel, and tensile and torsion tests of steel are made. Beams and columns of steel and wood are tested and the deflections measured. A 100,000-pound Riehle Universal Testing Machine and a 60,000-inch-pound Riehle Torsion Machine with needed extensometers and strain gates are used in making the tests. Prerequisite 837. ASSISTANT PROFESSOR BULGER

837. STRENGTH OF MATERIALS. Second semester. Six credit hours.

Class room work is given in tensile, compressive, and shearing stresses, riveted joints, torsion, bending moments, stresses and deflections of beams. A study is made of end conditions and formulas for columns. Text: Boyd. Prerequisites, Physics and Calculus.

ASSISTANT PROFESSOR BULGER

851. ROOFS AND BRIDGES. First semester. Six credit hours.

The calculation of stresses in several types of roof trusses for dead, snow, and wind loads are made analytically and checked by graphics. Stresses are calculated for several bridge trusses under dead and live loads. Text: Merriman & Jacoby's Stresses.

PROFESSOR DURST

853. RAILROADS. Summer term. Ten credit hours.

An intensive course in railroad construction and surveying is given. This includes field and office work in simple compound, and spiral curves. Prerequisite 810. PROFESSOR DURST

856. HIGHWAYS. Second semester. Four credit hours.

A study is made of the construction, cost, and advantages of the various types of hard surfaced highways. City paving and street designing are also considered. Traffic is studied by the use of traffic census. Bituminous material is tested. Text: Agg's Roads and Pavements. PROFESSOR DURST

861. CEMENT TESTING. Summer term. Four credit hours.

The standard laboratory tests on cement, sand, and concrete are conducted in accordance with the A. S. T. M. standards. Experimental investigations are made. A trip is made to a cement plant where the actual manufacture of cement is studied. PROFESSOR DURST

872. ENGINEERING GEOLOGY. Summer term. Six credit hours.

This course consists of a survey of the essential facts of dynamic, structural, and economic geology. The relation of geology to the engineer and his work is kept constantly in mind. The class room work is supplemented by an excellent collection of Ward's minerals, rocks, coals, etc., and by several inspection trips. Text: Ries and Watson. PROFESSOR DURST

873. REINFORCED CONCRETE. Summer term. Eight credit hours.

Instruction is given in the properties of plain and reinforced concrete, the design of mixtures, and the theory of stresses in reinforced concrete. Practice is given in the design of beams and columns. Prerequisite 837. Text: Taylor and Thompson. ASSISTANT PROFESSOR BULGER

874. STEEL DESIGN. Second semester. Six credit hours.

Practice is given in designing and computing costs of steel structures such as mill and office buildings, warehouses, and bridges. Prerequisite 837. Text: Ketchum's Structural Engineers Hand Book. ASSISTANT PROFESSOR BULGER

879. CONCRETE DESIGN. First semester. Six credit hours.

Practice is given in designing various concrete structures such as buildings, beam and arch bridges, retaining walls, and chimneys. Text: Hool and Johnson. ASSISTANT PROFESSOR BULGER

881. SEWERAGE. First semester. Six credit hours.

Part I. Sewer Design. After some class room study and discussion, each student is required to design a complete sewer system for some district in Akron, or for an adjoining town.

Part II. Sewage Disposal. This consists of a comparative study of the various types of sewage treatment plants and several plants are visited. Text: Metcalf and Eddy. Prerequisite Hydraulics.

PROFESSOR DURST

882. WATER SUPPLY. Second semester. Six credit hours.

After a review of formulae, methods, and practice, each student is required to design a complete water system for a portion of Akron or a nearby town. An inspection trip to Akron Pumping Station and Treatment Plant at Kent is arranged once a year. Text: Folwell. Prerequisite, Hydraulics.

PROFESSOR DURST

883-884. ENGINEERING DESIGN. First and second semester. Two credit hours each semester.

Special problems in design are selected. This course gives the student an opportunity to do extra work along the particular line in which he wishes to specialize.

ASSISTANT PROFESSOR BULGER

COMMERCE AND ADMINISTRATION

PROFESSOR McDERMOTT

MR. MARSH

MR. PORTER

1019-1019C. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. Second semester. Three credit hours for full time students. Six credit hours for co-operative students.

This course makes a study of the growth and factors of commerce and industry, the important industries of the United States, physical features of the world in their relation to the development of commerce and industry, mineral industries and their relation to the development of the state, centers of great industries, transportation, communication, relation of government to industry and trade, foreign commerce of the United States and all other important countries of the world. MR. MARSH

1021C. ECONOMIC DEVELOPMENT OF THE UNITED STATES. Summer term. Twenty-two credit hours.

This course studies the development of colonial industry and makes a careful survey of the industrial history of England, early trade restrictions, availability of the resources of the United States and their developments, movement of trade and industry in the early history of the country as well as present movements, effect of trade and tariff on industry, labor movements and the development of the labor union, and our modern industries and their development. MR. MARSH

1027-1028, 1027C-1028C. **ACCOUNTING.** First and second semesters. Three credit hours each semester for full-time students. Six credit hours for co-operative students.

This course includes the science of constructing systematic records of business transactions, a study of double-entry bookkeeping, critical examination of the typical factors in capital and revenue accounts, development of forms used in business, forms and records used in different industrial enterprises, many illustrative problems, and partnership and corporation accounting are completed. **MR. PORTER, MR. MARSH**

1029C. **INDUSTRIAL AND BUSINESS ECONOMICS.** First semester. Six credit hours.

This is a study of the laws of production, exchange, distribution, and consumption, combined with an analysis of the industrial actions of men as regards land, labor, capital, money, credit, rent, interest, wages, etc. Special emphasis is laid on the industrial and business side of the economic organization of society. **MR. MARSH**

1035-1035C. **BUSINESS FINANCE.** First semester. Three credit hours for full time students. Six credit hours for co-operative students.

The subjects studied in this course are the relation of finance to business, the financial side of business administration, history and origin of financial transactions, introduction to banking practices, work of the banker, stocks and bonds, budgets and financial reports, financial standards, promotion, dividends, and reorganization. **MR. PORTER**

1037-1037C. **BUSINESS ADMINISTRATION.** Second semester. Three credit hours for full time students. Six credit hours for co-operative students.

Origin and history of industrial and mercantile establishments, principles of organization, distribution of functions and the control of business, factors accounting for the location of industries, scientific management, its development and effect on the business of the modern world, labor unions and their relation to capital, job analysis, mental tests, and latest forms of welfare work are the problems of study in this course. **PROFESSOR McDERMOTT**

1039-1039C. **ELEMENTARY LAW.** First semester. Three credit hours for full time students. Six credit hours for co-operative students.

The course is designed to cover the fundamental principles of American jurisprudence, outline and elements of statutory and common law and equity. **PROFESSOR McDERMOTT**

1040-1040C. **STATISTICS.** Second semester. Three credit hours for full time students. Six credit hours for co-operative students.

Elementary principles of statistics as a means to scientific study and interpretation of the measurable phenomena of economic and social life are the chief problems of study in this course. Emphasis is laid upon the characteristics of statistical methods, sources and collections of statistical data, errors and approximation, classification and frequency distribution, averages, index numbers, and criteria of association, cause and effect.

MR. MARSH

1041-1042. **OFFICE PRACTICE.** First and second semester. Three credit hours each semester.

A study of the problems that come up in the work of the secretary, laboratory work in the application of the work of an office, practical experience in the offices of the administrative officers of the University, students' work in outside offices of the various industries of the city.

PROFESSOR McDERMOTT

1043-1043C. **MARKETS, DOMESTIC COMMERCE.** First semester for full time students. Three credit hours. Summer term for co-operative students. Twenty-two credit hours.

This course outlines the development of the early types of markets; early trade routes; fairs; location of colonial marketing centers; development of modern markets and the factors of affecting their development; advertising and sales systems; co-operation, its development and importance; the middleman, his functions and problems; the future of the middleman; location of the wholesale centers of the United States; the retailer, the consumer, and modern problems of the buyer and seller.

PROFESSOR McDERMOTT

1045--1045C. **MONEY AND BANKING.** First semester. Three credit hours for full time students. Six credit hours for co-operative students.

Form and function of currency and credit; state and Federal laws of banking; Federal reserve banking system and its relation to the monetary system of the United States; a brief study of the history of our banking institutions, the fluctuations of the money market, note issue, and the Clearing House; a brief study of the banking systems of foreign countries and a comparison with the Federal Reserve System are the problems of study in this course.

MR. PORTER

1047-1047C. **BUSINESS LAW.** Second semester. Three credit hours for full time students. Six credit hours for co-operative students.

This course is an introduction to the customs and laws of trade, business, and finance; detailed study of contracts, bills and notes, bailments, agency, partnership, personal and real property; a study of the common carrier, insurance deeds, mortgages, wills, etc. Many cases are studied to show the application of law to business. The case system is used.

PROFESSOR MCDERMOTT

1049-1049C. **RAILROADS AND TRAFFIC PROBLEMS.** Second semester. Three credit hours for full time students. Six credit hours for co-operative students.

Economic significance of modern development, organization and combination of railway systems; the development of the means of transportation; railway growth and consolidation; problems of railway traffic and rate making; rate theories and practice, legislative control, inland and coastwise commerce of the United States; railway commissions and public control; government ownership and its relation to the public are the topics of study in this course.

MR. MARSH

1051-1052, 1051C-1052C. **COST ACCOUNTING.** First and second semesters. Two credit hours each semester for full time students. Four credit hours each semester for co-operative students.

This course is designed to cover an exposition of the utility and methods of cost accounts; the problems, elements, and units of cost of various types of business, sources of cost data; measurements of direct costs; methods of apportioning and distributing overhead expenses; organization of cost systems; presentation and utilization of cost data; studies and reports of cost accounting systems. It makes a study of practical problems in local businesses and employs C. P. A. problems.

MR. PORTER

1053-1053C. **FOREIGN COMMERCE.** First semester. Two credit hours for full time students. Four credit hours for co-operative students.

The subjects of study in this course are the development of early commerce and commercial nations; theory of international trade; volume and character of imports and exports; governmental regulation, consular service, commercial methods and regulations for trade; aids to the development of trade, position of the United States in the commercial world and our future needs.

PROFESSOR MCDERMOTT

1055-1055C. BUSINESS AND INDUSTRIAL PROBLEMS. Second semester. Two credit hours for full time students. Four credit hours for co-operative students.

This course consists of a study of economic and industrial problems of importance to the business man; the business cycle; the railway problem, nature and extent of regulation, rate making, government ownership; the problem of capitalistic monopoly; the study of population, economic insecurity, trade unions, social reform and legal institutions, taxation, and modern problems of business. PROFESSOR McDERMOTT

1057-1058, 1057C-1058C. INDUSTRIES AND RESOURCES OF AKRON. First and second semesters. Two credit hours each semester for full time students. Four credit hours each semester for co-operative students.

The subject of study in this course is the city of Akron as an industrial and commercial center; its railroads and water communications; the rubber industry, the products manufactured and exported; clay product industry, products and possibilities of the industry; motor truck industry; machine shops; cereal and other important industries. Visits to factories and reports on processes are emphasized. PROFESSOR McDERMOTT

1060. ADVERTISING. Second semester. Two credit hours.

This is an introductory course in principles of advertising. It treats of the fields of advertising, how to write advertising, how to display advertising, where to publish advertising, and the operating side of advertising. PROFESSOR McDERMOTT AND OTHERS

1063C. MANAGERIAL ACCOUNTING. First semester. Six credit hours.

This course covers the forms that a foreman or a superintendent in a factory would use. It is not intended that senior civil, mechanical, or electrical engineers would become bookkeepers, but rather that they be able to interpret such forms as profit and loss statements, balance sheets, production statements, store records, etc. MR. MARSH

1065-1066, 1065C-1066C. THESIS. First and second semesters. Two credit hours each semester for full time students. Four credit hours each semester for co-operative students.

This is a course designed to develop the student along original lines. Methods of research are shown and an independent problem is assigned for development. The problem is expected to be in the major field of the student and tends to encourage him to go on into the graduate field. PROFESSOR McDERMOTT

CO-ORDINATION

All Departments

Co-ordination classes are prescribed for Freshmen and Sophomores. Pre-Juniors, Juniors, and Seniors discuss their special problems in informal conferences with instructors. All co-ordination instructors are men who have had practical experience in their respective fields.

700-701. CO-ORDINATION. First and second semesters. One credit hour each semester. (Freshmen.)

One hour a week of Freshman co-ordination is devoted to English composition. The written reports on co-operative jobs and inspection trips are read by the instructor in English. Instruction and exercises in effective methods of study and reading are given as an orientation for college work.

MR. NEWLIN

702-703. CO-ORDINATION. First and second semesters. One credit hour each semester. (Freshmen in Mechanical Engineering.)

Class room work consists of reports and discussions on the student's outside work. One of the primary objects of the course is to teach the student that by keeping his mind alert he can obtain much valuable information while engaged in practical engineering or industrial work.

ASSISTANT PROFESSOR CLARK

704-705. CO-ORDINATION. First and second semesters. One credit hour each semester. (Sophomores in Mechanical Engineering.)

During the second year of this course the student is able to take a more active part in his class room work, as the entire period is often assigned to one student who gives an oral or written report on some phase of his outside work.

ASSISTANT PROFESSOR GRIFFIN

706-707. CO-ORDINATION. First and second semesters. One credit hour each semester. (Freshmen in Civil Engineering.)

This course endeavors to co-ordinate the student's outside work with his classroom work. This is accomplished by means of class discussions and written reports.

PROFESSOR DURST

708-709. CO-ORDINATION. First and second semesters. One credit hour each semester. (Sophomores in Civil Engineering.)

A study is made of current civil engineering practice. This is done by means of students' reports of their outside employment. Material is also secured from current civil engineering magazines.

PROFESSOR DURST

710-711. CO-ORDINATION. First and second semesters. One credit hour each semester. (Freshmen in Electrical Engineering.)

The purpose of this course is to familiarize the student with the necessary rules of conduct in connection with his outside work, and by informal discussions and written reports to teach him how to derive the most benefit from his co-operative jobs. PROFESSOR WALTHER

712-713. CO-ORDINATION. First and second semesters. One credit hour each semester. (Sophomores in Electrical Engineering.)

This course covers more advanced discussions of such problems as arise in connection with the outside work. Students are expected to make oral and written reports on assigned subjects in connection with their co-operative jobs. MR. ANDERSON

714-715. CO-ORDINATION. First and second semesters. One credit hour each semester. (Freshmen in Commerce Department.)

This course covers a preparation by the student of reports on outside work with a study of his job, its factors, the tools used, and observed data that puts into practice his college work. PROFESSOR McDERMOTT

716-717. CO-ORDINATION. First and second semesters. One credit hour each semester. (Sophomores in Commerce Department.)

This course is a continuation of courses 714-715, and studies the job and the industry more in detail. Students are encouraged to talk about their work and also the work of other students. In this way the business vocabulary is strengthened and students become familiar with processes in other industries. Fundamentally, the main purpose is to link the work of the University with that in the industry.

PROFESSOR McDERMOTT

ECONOMICS

PROFESSOR McJOYNT

687-688. ECONOMICS. First and second semesters. Six credit hours each semester.

A consideration of the fundamental concepts of economics; definition of terms, theory of value, production, consumption, distribution, etc.

A study of practical economic problems such as banking, taxation, trusts, tariff, and socialism. PROFESOR McJOYNT

ELECTRICAL ENGINEERING

PROFESSOR WALTHER

MR. ANDERSON

905. DIRECT CURRENT THEORY. First semester. Six credit hours.

This course covers elementary electrical engineering and includes the study of the principles of electricity and magnetism, electric and magnetic circuits, direct current generators and motors, and storage batteries.

PROFESSOR WALTHER

906. ALTERNATING CURRENT THEORY. Second semester. Six credit hours.

This course covers elementary electrical engineering and includes the study of fundamental ideas regarding alternating electromotive force and current, resistance, inductance, and capacity in alternating current circuits, and the theory of alternating current generators, motors, instruments, and transformers.

PROFESSOR WALTHER

907. DIRECT CURRENT LABORATORY. First semester. Four credit hours.

This course includes elementary exercises in electricity and magnetism, various practical tests on direct current machines, and supplements the theoretical work given in 905.

MR. ANDERSON

908. ALTERNATING CURRENT LABORATORY. Second semester. Four credit hours.

This course includes elementary experimental study of alternating current circuits, and various practical tests on alternating current machines, and supplements the theoretical work given in 906.

MR. ANDERSON

911-912-920. ADVANCED ELECTRICAL THEORY. First and second semesters, also the following summer term. Five credit hours each semester, and fourteen credit hours for summer term.

This course is a continuation of 905. A more thorough study of the theory and construction of electrical machines and appliances is made. The course includes a large number of problems. During the summer term inspection trips are made to power plants and sub-stations.

PROFESSOR WALTHER

913-914-922. ADVANCED ELECTRICAL LABORATORY. First and second semester, also following summer term. Two credit hours first semester. Four credit hours second semester. Eight credit hours for summer term.

This course is a continuation of course 908 and includes more advanced experimental study of direct and alternating circuits and equipment, and supplements the theoretical work given in 911-912-920.

PROFESSOR WALTHER

941. ELECTRIC POWER TRANSMISSION. First semester. Four credit hours.

This course covers the study of transmission and distribution of electrical power. The economic, mechanical, and electrical principles involved are considered for both underground and overhead systems.

PROFESSOR WALTHER

952. ELECTRIC RAILWAYS. Second semester. Four credit hours.

This course includes the study of the forces acting on a train, speed time curves, energy requirements, motor capacity, systems of control, direct versus alternating current, and electricity versus steam for railways.

PROFESSOR WALTHER

961-962. SPECIAL ELECTRICAL PROBLEMS. First and second semester. Six credit hours each semester.

This course is designed to teach the seniors in electrical engineering to work independently. Special exercises are assigned individuals or to groups, such as advanced laboratory experiments or design and construction of special equipment.

PROFESSOR WALTHER

ENGLISH

MR. NEWLIN

660-661. ENGLISH COMPOSITION. First and second semesters. Four credit hours each semester.

Steady practice is given in writing technical descriptions, explanations, and professional letters, and in informal oral argumentation. Students are encouraged also to give imaginative interpretation and presentation of the work of the engineer. Correctness in sentence structure, punctuation, and spelling are strictly insisted upon.

MR. NEWLIN

662-663. ENGLISH COMPOSITION. First and second semesters. Five credit hours each semester.

This course is planned for students in the commerce department. The first semester is devoted to the study of grammar, punctuation, and sentence structure, and of credit and collection letters. The other types of letters and business reports are studied during the second semester.

MR. NEWLIN

664-665. ENGLISH LITERATURE. First and second semesters. Two credit hours each semester.

Modern novels and short stories are read for their cultural and recreational value, and essays on scientific and engineering subjects are studied for the purpose of finding the literary and philosophical values in non-literary subjects. Supplementary reading is an important part of the course.

MR. NEWLIN

MATHEMATICS

PROFESSOR JONES AND ASSISTANTS

The course in Mathematics given to engineering students does not follow the regular line of instruction as given in the past. Calculus is introduced in the first semester of the freshman year, as are also some of the fundamental notions of analytical mechanics. This is done in order to obtain a larger time factor which plays such an important part in the learning process.

650-651. **ENGINEERING MATHEMATICS.** First and second semesters.
Six credit hours each semester.

The work of the first semester includes a review of arithmetic and elementary algebra, computations, the use of tables, the trigonometric functions, graphs, elements of calculus, and logarithms.

The work of the second semester includes the study of the exponential and logarithmic functions, certain topics of analytic geometry, solution of equations, and a further study of calculus.

652-653. **ENGINEERING MATHEMATICS.** First and second semesters.
Six credit hours each semester.

The study of the trigonometric functions and their inverses is completed during the first semester. The applications of the trigonometric functions to analytic geometry and analytic mechanics, differentiation, and integration of the simpler functions are also carried out.

The studies of the second semester include such topics as functions of several variables, surfaces, the integration of functions by means of tables, and reduction theorems.

654. **ENGINEERING MATHEMATICS.** Summer term. Six credit hours.

The course given in the summer session devotes the entire time to such applications of calculus as center of gravity, moment of inertia, and fluid pressure.

655-656. **ENGINEERING MATHEMATICS.** First and second semester.
Three credit hours each semester.

The Mathematics of the engineering courses is concluded in the Pre-Junior year. Throughout the year practical work, affording a review of all previous courses is given. During the first semester brief treatments of vectors and empirical formulas is also given.

The work of the second semester includes a discussion of mathematical formulas appearing in engineering journals, and simple differential equations.

658-659. **COMMERCIAL MATHEMATICS.** First and second semesters.
Six credit hours each semester.

The course in Mathematics for the students in the commerce department emphasizes those subjects which will be of greatest value to their college and life work. During the first semester in addition to the basic work in algebra such topics as compound interest, annuities, depreciation and bond valuation are considered.

The work of the second semester includes a more thorough study of bond valuation, the financial operation of building and loan association, and a basic course in the mathematics of insurance.

MECHANICAL ENGINEERING

ASSISTANT PROFESSOR GRIFFIN

ASSISTANT PROFESSOR CLARK

721. ELEMENTARY ENGINEERING LABORATORY. First and second semesters. Four credit hours each semester.

This course, which is required of all freshmen in engineering, furnishes an introduction to the essential principles and methods in civil, mechanical, and electrical laboratory work, and will help the student to choose his particular course. One third of the year is spent in each of the three laboratories; civil (721-C), electrical (721-E), and mechanical (721-M).

PROFESSOR DURST (Civil Engineering)

PROFESSOR WALTHER (Electrical Engineering)

ASSISTANT PROFESSOR CLARK (Mechanical Engineering)

727. ELEMENTARY ENGINEERING DRAWING. First semester. Four credit hours.

The object of this course is to train the student in freehand sketching, lettering, and mechanical drawing. Special attention is given to the proper use and care of drawing instruments.

ASSISTANT PROFESSOR GRIFFIN

728. PROJECTION DRAWING. Second semester. Four credit hours.

This course is intended to teach the student how to represent an object by showing the proper views. The assigned exercises include problems in orthographic projection, isometric, and oblique drawing, and the conventional methods of drawing bolts, nuts, screw threads, and structural shapes.

ASSISTANT PROFESSOR GRIFFIN

729. DESCRIPTIVE GEOMETRY. First semester. Four credit hours.

The science of graphic representation is studied with problems on points, lines, planes, surfaces, and solids with practical applications.

ASSISTANT PROFESSOR GRIFFIN

730. MACHINE DRAWING. Summer term. Twelve credit hours.

A study is made of the modern drafting-room methods of making machine drawings. Students make freehand sketches of machine parts, detail and assembly drawings, tracings, and blue prints.

ASSISTANT PROFESSOR GRIFFIN

733. MECHANISM. First semester. Five credit hours.

A study is made of the various means of transmitting and modifying machine motions and the determination of the relative displacement, velocity, and acceleration of different machine parts.

ASSISTANT PROFESSOR GRIFFIN

735. MECHANISM DRAWING. First semester. Two credit hours.

In connection with Mechanism 733 students make layout drawings of various methods of transmitting and modifying motion by means of links, cams, gears, and other common machine parts.

ASSISTANT PROFESSOR GRIFFIN

736. MACHINE DESIGN. Second semester. Six credit hours.

The fundamental principles involved in the design and operation of machinery are studied, with problems on the design of riveted joints, keys and shafting, belting, chains and sprockets, gears, bearings, couplings, and other machine parts.

ASSISTANT PROFESSOR GRIFFIN

737. MACHINE DESIGN. Summer term. Twelve credit hours.

In this course the student applies the theory as taught in Machine Design 736 and makes a complete design and drawing of an assigned machine.

ASSISTANT PROFESSOR GRIFFIN

742. ELEMENTARY HEAT ENGINEERING. Second semester. Five credit hours.

This course is required of all sophomores in engineering. Steam boilers, engines, and other mechanical power units and accessories are studied from a descriptive standpoint, for the purpose of general information and assistance in grasping the theory and design involved in succeeding courses.

ASSISTANT PROFESSOR CLARK

744. THERMODYNAMICS. Second semester. Six credit hours.

This course is required of seniors in mechanical and electrical engineering. The study of the transformation of heat into mechanical energy touched upon in course 742 is continued with special reference to steam boilers, engines and turbines, internal combustion engines, refrigerating systems, etc.

ASSISTANT PROFESSOR CLARK

747. HYDRAULICS. First semester. Six credit hours.

This course is required of juniors in civil engineering and seniors in mechanical and electrical engineering. Some of the fundamental laws on which the theory and design of hydraulic constructions and machinery are based, are studied with special reference to their application in hydro-electric installations.

ASSISTANT PROFESSOR CLARK

752-753. MECHANICAL ENGINEERING LABORATORY. Summer term.
Four credit hours for sophomores (752); ten credit hours for juniors (753).

This work is conducted by the junior class with the assistance of the sophomores one day each week. Tests of internal combustion engines and refrigerating machinery, and one or two out-of-town inspection trips are features of this course.

ASSISTANT PROFESSOR CLARK

762. **MECHANICAL ENGINEERING.** Second semester. Three credit hours.

This course is required of all pre-juniors in the mechanical engineering course. Some of the principal lines of development and use of mechanical power are studied in various textbooks, pamphlets, periodicals, and trade catalogs as a preparation for recitations, reports, and the solution of problems.

ASSISTANT PROFESSOR CLARK

763-764-765-766. **MECHANICAL ENGINEERING PRACTICE.** Two years. First and second semesters. Four credit hours each semester.

This course is required of all juniors and seniors in the mechanical engineering course. The two upper classes carry on the work as an organization. The course repeats every two years. Steam laboratory, commercial tests, local inspection trips, power plant design, production layouts, and problems involving costs, operating efficiency, and management are included.

ASSISTANT PROFESSOR CLARK

PHYSICS

PROFESSOR HOUSEHOLDER

MR. GILMOUR

These courses are arranged to cover the subject of mechanics and sound in the first two years, and heat and light during the first semester of the third year. Since each course is built upon the preceding course, it is imperative that they be taken in the order given in the catalog.

679-680. **PHYSICS.** First and second semesters. Five credit hours each semester.

An elementary course in statics. A thorough study of the conditions under which equilibrium can be obtained and the application of these principles to problems involving simple machines, pier reactions, center of gravity, simple frames and trusses. The course is primarily a laboratory course, but the fundamentals of analytical and graphical analysis must be mastered in order to continue with the succeeding courses. Three recitations and four hours laboratory work per week.

PROFESSOR HOUSEHOLDER
MR. GILMOUR

681-682. **PHYSICS.** First and second semesters. Six credit hours each semester.

A continuation of 679-680 completing the subject of statics and covering the whole field of dynamics, including wave, motion, and sound. Four recitations and four hours laboratory work per week.

PROFESSOR HOUSEHOLDER

683. PHYSICS. First semester. Five credit hours.

A course covering fundamental principles of heat and light with special emphasis on their engineering application. This course cannot be taken before 682. Five exercises per week; three recitations and two laboratory periods.

PROFESSOR HOUSEHOLDER

SPANISH

MR. TAILLIART

671-672. BEGINNING SPANISH. First and second semesters. Six credit hours each semester.

As soon as practicable, the students will be given work of definite commercial value in translation and composition.

MR. TAILLIART

673-674. SECOND YEAR SPANISH. First and second semesters. Six credit hours each semester.

The aim of this course is to give the student a working knowledge of present-day conditions, opportunities, and business methods in the principal Hispanic countries. Conversational Spanish and practice in actual business correspondence will be emphasized.

MR. TAILLIART

CURTIS SCHOOL OF HOME ECONOMICS

SARAH E. STIMMEL, B. S., *Director*

GENERAL INFORMATION

The Curtis School of Home Economics was established as a unit of the Municipal University in 1914. It occupies the building known as Curtis Cottage, made possible by gifts from the late William Pitt Curtis, of Wadsworth, Ohio, and from many citizens of Akron. Besides the necessary laboratories for work in Home Economics, the building has a cafeteria.

ADMISSION

The following supplements the statement of general entrance requirements previously made (see introductory pages).

Candidates for unconditional admission must present at least 15 units of secondary school work. No student will be admitted with entrance conditions amounting to more than one unit. Such deficiency must be made up during the freshman year.

ENTRANCE REQUIREMENTS

English	3	units
Mathematics (Algebra 1, Pl. Geom. 1).....	2	units
*Foreign Language	2	units
U. S. History and Civics	1	unit
Science	1	unit
Elective	5½	units

COURSE OF STUDY

The course in Home Economics requires four years of regular university work and is planned to meet the practical needs of women students. It combines a thorough training in those branches of science essential to intelligent home management with the broadest possible cultural education and forms a basis for those who wish to specialize in home economics or other lines of work. Four years in Curtis School and one year in Teachers College provide a training for those who may wish to become teachers of the subject.

Requirements for a Major in Home Economics: 38 semester hours of actual Home Economics from the courses listed below numbered from 601 to 632; 33 semester hours of minors: English (above Freshman Rhetoric) 6, Psychology 6, Sociology 6, Public Speaking 3; and 16 hours of science besides Chemistry 353-354.

*These two required units must be in one language.

SUGGESTED OUTLINE OF COURSE

FIRST YEAR

REQUIRED	
First Semester	Cr. Hrs.
Rhetoric 51	3
*Modern Language	3 or 4
Textiles 603	2
Elements of Art 1251	2
Physical Training	1
SUGGESTED	
Biology 401	4
15½ or 16½	

Second Semester	Cr. Hrs.
Rhetoric 52	3
*Modern Language	3 or 4
Textiles 604	2
Design 1252	2
Physical Training	1
Current Events	1
SUGGESTED	
Biology 402	4
16 or 17	

SECOND YEAR

REQUIRED	
First Semester	Cr. Hrs.
Chemistry 353	4
*Modern Language	3
English 63, 69, or 75	3
†Physiology 409	4
Child Hygiene 601	3
Art 1253	2
SUGGESTED	
19	

Second Semester	Cr. Hrs.
Chemistry 354	4
*Modern Language	3
English 64, 70, or 76	3
†Physiology 410	4
Home Nursing 602	3
Art 1254	2
SUGGESTED	
19	

THIRD YEAR

REQUIRED	
First Semester	Cr. Hrs.
Nutrition 619	3
or	
Chemistry 355	4
Foods 605	4
History 271, 275, 277 or 279	3
SUGGESTED	
Physics 331	4
Dress 607	3
17 or 18	

Second Semester	Cr. Hrs.
Nutrition 620	3
or	
Chemistry 356	4
Foods 606	4
History 272, 276, 278 or 280	3
SUGGESTED	
Physics 332	4
House 616	3
17 or 18	

FOURTH YEAR

REQUIRED	
First Semester	Cr. Hrs.
Sociology 213	3
Psychology 201	3
Public Speaking	3
SUGGESTED	
Dietetics 617	4
Bacteriology 419	4
History of Art 627	2
Seminar 611	2
17	

Second Semester	Cr. Hrs.
Sociology 214	3
Psychology 202	3
SUGGESTED	
Table and Meal Service 632	2
Bacteriology 420	4
History of Art 628	2
Seminar 612	2
16	

*Modern language must consist of two years in one language.
 †Offered 1925-26 and alternate years to women.

Elective studies must be chosen sufficient in number to complete a total of 128 term hours.

DEGREES

For the completion of the four-year course in Home Economics (128 term hours required for graduation) the degree of Bachelor of Science in Home Economics will be conferred. By means of five-year combination courses, degrees may be obtained from both the School of Home Economics, and either the College of Liberal Arts or the Teachers College, but candidates for such combination courses must announce their intention at the end of the junior year.

MATERIALS

Students provide their own materials in the following courses: Principles of Art, Designing, Textiles, House Planning, Art, Dress, Seminar, and Sewing.

COURSES FOR 1925-1926

All courses numbered over 600 are offered primarily only for students of the School of Home Economics and may be elected by students in the College of Liberal Arts only under the restrictions imposed by that college. For description of courses mentioned only by number, see Buchtel College of Liberal Arts.

HOME ECONOMICS

PROFESSOR STIMMEL

MISS STINSON

601. CHILD HYGIENE. First semester. Three credit hours.

This course is a study of the principles relating to the hygiene of physical, moral and mental development, involving preventive and constructive problems of child welfare.

MISS STINSON

602. HOME NURSING. Second semester. Three credit hours.

This course deals with home nursing as distinct from the more elaborate technic of hospital nursing. It is a training toward obtaining a better, more intelligent motherhood.

MISS STINSON

603-604. TEXTILES. First and second semesters. Two credit hours each semester.

This course includes a study of fibers and fabrics; a working knowledge of the mechanics of a sewing machine, and hygiene of clothing. The laboratory work includes the proper selection of materials, the making of a complete set of wearing apparel for a college girl, the judging of clothes and a comparison of laboratory and commercially prepared garments.

MISS STINSON

605-606. **FOODS.** First and second semesters. Four credit hours each semester.

This course is required of all students in the home economics course. It includes a study of food consumption and its place in economic life; of food selection and preparation based upon the amount of money spent for food commodities to obtain the required nutritive value.

PROFESSOR STIMMEL AND MISS STINSON

607. **DRESS.** First semester. Three credit hours.

This course is the drafting and modification of patterns; a selection and a combination of suitable materials, as applied to the making of a simple unlined wool dress, a silk blouse, and a silk dress. It includes the study of spinning, weaving, color and design, and a study of the knowledge of consumer's judgment of all textile materials.

MISS STINSON

608. **SEWING.** Second semester. One credit hour.

This is a laboratory course, combining art and needle craft work; the making of all hand stitches as applied to children's clothing and household furnishings.

MISS STINSON

610. **CLOTHING.** Second semester. Two credit hours.

This course is an intensive study of history of costume from early ages to the present time.

MISS STINSON

611-612. **SEMINAR.** First and second semesters. Two credit hours each semester.

This course is open only to upper classmen.

PROFESSOR STIMMEL

616. **HOUSE.** Second semester. Three credit hours.

This course is a practical study of the purchase and use of every household commodity from the standpoint of economy, health, and comfort with suggestions pertaining to the selection, purchase, storage, care and repair of each.

PROFESSOR STIMMEL

617. **DIETETICS.** First semester. Four credit hours.

This course is a quantitative study of food materials. It explains the problems involved in the calculation of food values and food requirements, and the construction of dietaries. It is a study of dietary standards, of infant and invalid cookery.

PROFESSOR STIMMEL

619-620. **NUTRITION.** First and second semesters. Three credit hours each semester.

This course is a study of the chemistry of foods and the processes of nutrition. It includes a study of the nutrition of children as to requirements for energy, calcium, iron, phosphorus and vitamins.

PROFESSOR STIMMEL

627-628. HISTORY OF ART. First and second semesters. Two credit hours each semester.

This course is a study of the history of foreign art the first semester, and the history of American art the second semester. One semester's work may be taken with credit, without necessarily completing the year's work.
PROFESSOR STIMMEL

632. TABLE AND MEAL SERVICE. Second semester. Two credit hours.

This course includes a study of setting the table, planning, buying, and serving of balanced meals, computing the cost of serving one person, the number in the class, and from these calculating the cost of serving fifty.
MISS STINSON

ART

Courses: 1251, 1252, 1253, 1254, 1255 (see Teachers College).

BIOLOGY

Courses: 401, 402, 409, 410, 415, 416, 418, 419, 420, 422.

CHEMISTRY

Courses: 353, 354, 355-356.

ENGLISH

Courses: 51, 52, 63, 64, 69, 70, 75, 76.

FRENCH

Courses: 151, 152, 153, 154, 155, 156, 157-162.

GERMAN

Students may enter any course offered for which they are prepared.

HISTORY

Courses: 271, 272, 275, 276, 277, 278, 279, 280.

PHILOSOPHY AND SOCIOLOGY

Courses: 213, 214, 201, 202, 203, 204, 205.

PHYSICAL TRAINING

Courses: At least one year is required (see general catalog).

POLITICAL SCIENCE AND ECONOMICS

Courses: 261, 262, 267, 451-452.

PUBLIC SPEAKING

Courses: At least three hours are required.

SPANISH

Courses: 171, 172, 173, 174, 175, 176.

All courses mentioned by number will be found under Buchtel College of Liberal Arts, unless otherwise noted.

TEACHERS COLLEGE

W. J. BANKES, A. M., *Dean*

GENERAL INFORMATION

The Teachers College is organized under the joint management of the Akron Board of Education and the Directors of the University. The general oversight of the Teachers College is in charge of the President of the University and the Superintendent of Schools. The work is specifically organized for the following purposes:

(a) The preparation and training of teachers for the Akron Public School System.

(b) The professional improvement of teachers already engaged in the Public School Service.

(c) The study of educational problems.

In general, the Teachers College is expected to achieve a threefold purpose: The first of these is the affiliation of teacher training with the various colleges of the University, a situation which gives opportunity to all teachers in training to receive academic preparation along with the professional training. As soon as feasible, a bachelor's degree will be required of all those who wish to become applicants for teaching positions in the Akron Schools. A four-year period of training offers opportunity for a wider and more thorough preparation than two or three-year periods.

Teacher training is based upon the broader academic field of knowledge and is applied to the actual educational situation as it exists in Akron. The Board of Education encourages this broader training by inducements in salary. The maximum salary for elementary teachers in Akron is now \$2,000 and the beginning salary \$1,000. Those who finish the three-year course will begin at a salary of \$1,200 while those who finish the four-year course will begin at \$1,400 with a maximum of \$2,800. Those who complete the five-year course will begin at \$1,500.

The second purpose is to increase very considerably the opportunities for continued training to teachers already in service. Evening and Saturday courses are offered for those who wish them. It is hoped many will take courses leading to degrees and that the whole college organization will function as a source of knowledge, assistance and inspiration to the teachers in service.

The third purpose is to bring teacher training into closer contact with the instructional, supervisory and administrative forces of the city. The real, vital problems of education may thus be studied by all who represent these forces. In this way the vigorous progressive phases of

school work in the city will be reflected in the training courses and the study of these problems by the Teachers College will bring suggestions for methods in teaching, for new forms of training, and for various modifications of school work.

All students are under the rules governing students of the University and are entitled to all the privileges of the institution.

ENTRANCE REQUIREMENTS

The following supplements the statement of general entrance requirements previously made (see introductory pages).

The requirement for unconditional entrance is 15 units.

The specific requirements for entrance to Teachers College are as follows:

English	3 units
Mathematics (Algebra 1, P. Geometry 1).....	2 units
*Foreign Language	2 units
History	1 unit
Science	1 unit

*Students deficient in foreign language entrance requirement must make up such deficiency before admission to Junior rank.

MILITARY AND PHYSICAL TRAINING

Military training in the Reserve Officers Training Corps under the direct supervision of the United States Government is required of all physically fit male students during the first two years.

Physical training is required of all men and women during the first two years.

The work of the Military and Physical Training Departments is described in detail in the general catalog.

COURSES OF STUDY AND DEGREES

Teachers College trains teachers for all departments of the Public School System. Those who finish four years, 128 semester hours in training, receive the Bachelor of Education degree. For those who complete five years' work, the graduate division offers opportunity for the Master's degree. *Those training for kindergarten or elementary school teaching may qualify for appointment in the Akron Public Schools by completing three years' work providing the Dean of Teachers College is notified of this plan in time to classify such students so that the required professional training for state certification may be included in the three years' work. Students desiring to satisfy the requirements of the state department for certification in two years must make this known to the Dean at the time of entrance.* All the above plans lead to State certificates but the two-year plan does not prepare the student for appointment in the Akron Schools.

PRACTICE TEACHING

The practice teaching in all courses is done in the public schools in regular school rooms under the supervision of critic teachers. Each student must teach for a semester under regular assignment and is held responsible for results of pupils for the semester. Each elementary critic under the regular plan supervises four student teachers. Each high school critic supervises but one student teacher. Under such supervision the student teacher really becomes an apprentice in teaching.

KINDERGARTEN-PRIMARY COURSE

Students who complete the kindergarten-primary course receive state certificates to teach the kindergarten and first or second grades in the elementary schools. At the end of the first year, each student must demonstrate sufficient ability in piano to receive the Dean's approval.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 51	3	English 52	3
Political Science 261	4	General Psychology 1102	4
Speech 91	3	General History of Education 1130	3
Music	1½	Music	1½
Physical Education 1353	1	Physical Education 1354	1
How to Study 1123	1	Current Events 290	1
Mathematics, History, Science or Foreign Language	4	Mathematics, History, Science or Foreign Language	4
	17½		17½

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 401	4	Biology 402	4
English	3	English	3
Educational Psychology 1103	2	Educational Psychology 1104	2
Story Telling 89	3	Story Telling 90	3
Community and Civic Ideals 1174	2	Personal Hygiene 1172	2
Physical Education 1355	1	Physical Education 1356	1
Kindergarten Music	1	Kindergarten Music	1
	16		16

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English	3	English	3
Social Origins 213	3	Social Problems 214	3
Principles of Teaching (1 hr. of Observational) 1210	3	Educational Measurements 1134	2
Introduction to study of Education 1133	2	Primary Methods 1217	3
Observation 1203	2	Public School Music 1232B	2
Professional Ethics 1124	1	Professional Ethics 1125	1
Art 1251	2	Psychology of Learning 1112	2
Public School Music 1232A	2		
	18		16

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Play Materials 1305	2	Practice Teaching 1301	4
Songs and Games 1309	2	Practice Teaching (First or Second Grade) 1213A	4
Art 1311	2	Kindergarten Methods 1303	3
Kindergarten Handwork 1307	2	Primary Methods 1216	3
Child Psychology 1105	2	Piano 1316	1
Piano 1315	1	School Management 1241	2
History and Philosophy of Kinder- garten 1313	2		
Primary Methods 1218	3		
	<hr/>		<hr/>
	16		17

If a foreign language not taken in high school is selected, two years are required. Eight hours' credit may be given for piano if the Dean approves the work.

COURSE FOR ELEMENTARY TEACHERS

Students training in this course will select the grades in which they plan to teach, and methods for these various grades must be taken. Students desiring to specialize for various positions in platoon schools should plan their courses accordingly.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 51	3	English 52	3
Political Science 261	4	General Psychology 1102	4
Art 1251	2	General History of Education 1130	3
Music	1½	Music	1½
Physical Education 1353	1	Physical Education 1354	1
How to Study 1123	1	Mathematics, History, Science, or Foreign Language	4
Mathematics, History, Science, or Foreign Language	4		
	<hr/>		<hr/>
	16½		16½

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 401	4	Biology 402	4
English	3	English	3
Educational Psychology 1103	2	Educational Psychology 1104	2
Story Telling 89	3	Community and Civic Ideals 1174	2
History of Education in the United States 1131	3	Art 1252	2
Physical Education 1355	1	Physical Education 1356	1
	<hr/>	Literature for the Grades 1243	3
	16		17

TEACHERS COLLEGE

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Speech 91	3	English	3
Social Origins 213	3	Social Problems 214	3
Introduction to Education 1133	2	Objectives in Elementary	
Public School Music 1232A	2	Education 1209	2
Observation 1203	2	Public School Music 1232B	2
*The Teaching of Arithmetic 1225	2	Principles of Teaching (1 hr. of	
*The Teaching of Language 1239	2	Observation) 1210	3
Child Psychology 1105	2	*The Teaching of History 1240	2
		*The Teaching of Geography 1223	2
	18		17

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Practice Teaching 1213B	8	Educational Measurements 1134	2
School Management 1241	3	Art 1254	2
Methods 1246A	3	Personal Hygiene 1172	2
Educational Problems 1211	1	Psychology of Learning 1112	2
Professional Ethics 1124	1	Professional Ethics 1125	1
		Electives	7
	16		16

If a foreign language not taken in high school is selected, two years are required.

*Those preparing for primary teaching will take Primary Methods and Folk Games the first semester. The second semester they will take Story Telling and Primary Methods.

ART COURSE

The following combination course is offered to students training for teaching Art in the schools. It will be noted that students are required to spend one year in some special Art School approved by the Dean. Not more than 48 hours of Art credit will be accepted from other institutions toward the degree.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 51	3	English 52	3
Art 1251	2	Art 1252	2
History of Education in the		General Psychology 1102	4
United States 1131	3	Physical Education 1354	1
Physical Education 1353	1	Current Events 290	1
Story Telling 89	3	Public School Music 1232B	2
How to Study 1123	1	Electives	3
Public School Music 1232A	2		
Electives	3		
	18		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 401	4	Biology 402	4
English	3	English	3
Ed'l Psychology 1103	2	Ed'l Psychology 1104	2
Art 1307	2	Art 1254	2
Art 1311	2	Art 1255	2
Art 1253	2	Mechanical Drawing 1410	2
Mechanical Drawing 1409	2	Speech 91	3
	<hr/>		<hr/>
	17		18

THIRD YEAR

The third year must be a full year's work in some Art School approved by the Dean.

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English	3	Practice Teaching 1213G	8
Child Psychology 1105	2	Methods 1246F	4
Social Origins 213	3	Ed'l Problems 1211	1
Introduction to the Study of Education 1133	2	Professional Ethics 1125	1
Community and Civic Ideals 1174	2	Psychology of Adolescence 1107	2
History of Art 627	2	School Management 1241	2
Principles of Teaching 1210	3		
	<hr/>		<hr/>
	17		18

MUSIC COURSE

The following combination course is offered to students training for teaching Music in the schools. Students are required to spend one year in some special Music school approved by the Dean. Not more than 48 hours of music credit will be accepted from other institutions toward the degree.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 51	3	English 52	3
History of Education in the United States 1131	3	General Psychology 1102	4
Physical Education 1353	1	Physical Education 1354	1
Speech 91	3	Current Events	1
How to Study 1123	1	Music	1½
Music	1½	Glee Club	½
Glee Club	½	Orchestra	½
Orchestra	½	Mathematics, History, Science or Foreign Language	4
Mathematics, Science, History or Foreign Language	4		
	<hr/>		<hr/>
	17½		15½

TEACHERS COLLEGE

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 401	4	Biology 402	4
English	3	English	3
Ed'l Psychology 1103	2	Ed'l Psychology 1104	2
Social Origins 213.....	3	Public School Music 1232B	2
Story Telling 89	3	Social Problems 214	3
Physical Education 1355	1	Psychology of Adolescence 1107.....	2
Public School Music 1232A	2	Physical Education 1356	1
	18		16

THIRD YEAR

The third year must be a full year's work in some Music School approved by the Dean.

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English	3	School Management 1241	2
Child Psychology 1105	2	Practice Teaching 1213H	8
Introduction to the Study of Education 1133	2	Special Methods 1246G	4
Community and Civic Ideals 1174	2	Educational Problems 1211	1
Principles of Teaching	3	Professional Ethics 1125	1
Electives	3		
	15		16

HOME ECONOMICS COURSE

Students desiring to train for Home Economics positions in the Akron schools will spend their first four years in Curtis School of Home Economics and the fifth year in Teachers College. All students planning for appointment in Akron schools should consult the Dean of Teachers College early in the course. The fifth year, as outlined below, leads to a State certificate and Bachelor of Education degree.

FIFTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Electives approved by the Dean sufficient to bring total credit to 160 hours.		Practice Teaching 1213D	8
		Special Methods 1246C	4
		Educational Problems 1211	1
		Professional Ethics 1125	1
		Psychology of Adolescence 1107.....	2
		School Management	2
			18

COURSE FOR TEACHERS OF SHOP SUBJECTS

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 51	3	English 52	3
Community and Civic Ideals 1174..	2	General Psychology 1102	4
How to Study 1123	1	Trigonometry 301	4
College Algebra 302	4	Elements of Art 1251	2
History of Education in Practical Arts 1401	2	Woodworking 1404	3
Woodworking 1403	3	R. O. T. C. and Gymnasium	2
R. O. T. C. and Gymnasium	2		
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	18		18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 401	4	Biology 402	4
English	3	English	3
Educational Psychology 1103	2	Educational Psychology 1104.....	2
Metal Working 1405	3	Metal Working 1406	3
Methods in Shop Subjects 1407	2	Methods in Shop Subjects 1408.....	2
Mechanical Drawing 1409	2	Mechanical Drawing 1410	2
R. O. T. C. and Gymnasium	2	R. O. T. C. and Gymnasium	2
	<hr/>		<hr/>
	18		18

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Physics 331	4	Physics 332	4
Social Origins 213.....	3	Social Problems 214	3
Introduction to Study of Educa- tion 1133	2	Principles of Teaching 1210	3
Principles of Economics 451.....	3	Labor Problems 453	3
Psychology of Shop Subjects 1411..	2	Psychology of Shop Subjects 1412..	2
Printing 1413	3	Printing 1414	3
	<hr/>		<hr/>
	17		18

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
General History of Education 1130	3	Practice Teaching 1213E	8
Administration of Vocational Education 1415	2	Special Shop Methods 1246D.....	4
Electrical Shop 1417	4	Educational Problems 1211	1
House Planning	2	Professional Ethics 1125	1
Field Project Suitable to Major Subject 1419	4	Psychology of Adolescence 1107....	2
Professional Ethics 1124	1	School Management	2
	<hr/>		<hr/>
	16		18

This course leads to the Bachelor of Education degree and placement on the appointment list for the Akron Public Schools.

In addition to 128 hours required for graduation, each student must have eight months of trade experience in the subject selected as major. This trade experience must be approved by the Dean of the School and may be secured during the summer vacations.

PHYSICAL EDUCATION

Students desiring to train for positions in teaching physical education have opportunity to get this training and receive the Bachelor of Education degree. The completion of this course entitles the student to a State certificate and a place on the appointment list in Akron.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 51	3	English 52	3
Biology 401	4	Biology 402	4
History of Education in the United States 1131	3	General Psychology 1102	4
Physical Education 1353	1	Physical Education 1354	1
First Aid and Massage 1351	1	History of Physical Education 1358	2
Folk Games 1352	2	Play and Games 1362	1
Play and Games 1361	1	Current Events	1
How to Study 1123	1		
	16		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Political Science 261	4	Political Science 262	4
English	3	English	3
Educational Psychology 1103	2	Educational Psychology 1104	2
Physical Education 1355	1	Physical Education 1356	1
Playground Organization 1357	2	Community and Civic Ideals 1174	2
Human Physiology 409	4	Human Physiology 410	4
	16		16

THIRD YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Social Origins 213	3	Social Problems 214	3
Prescription of Exercise 1359	3	Corrective Exercise 1360	3
Introduction to Study of Educa- tion 1133	2	Principles of Teaching (1 hr. Observation) 1210	3
Principles of Coaching Basketball 1365	1	Organization and Direction of Play 1364	2
Organization and Direction of Physical Activities 1363	2	Principles of Coaching Baseball 1366	1
Physical Ed. Practice 1381	1	Physical Ed. Practice 1382	1
Electives	3	Personal Hygiene 1172	2
	16		15

FOURTH YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Administration of Physical Education 1367	2	Psychology of Adolescence 1107	2
Principles of Coaching Football 1369	1	Teaching Physical Education 1368	8
Professional Ethics 1124	1	Special Methods in Physical Education 1370	4
Physiology of Exercise 1385	2	Educational Problems 1211	1
Physical Ed. Practice 1383	1	Professional Ethics 1125	1
Electives	7	School Management 1241	2
Applied Anatomy 1384	2		
	16		18

COURSES FOR HIGH SCHOOL TEACHERS

Students desiring to train for high school positions in Akron will spend five years in training. All who plan to become high school teachers should consult the Dean of the Teachers College before selecting their majors. Certain majors lead to better opportunity for appointment in the public schools. Students should be careful to elect such courses in Teachers College the first four years as are approved by the Dean. In addition to the majors and minors, 20 hours should be elected in the first four years from the professional and educational courses in Teachers College with the approval of the Dean.

Graduates of Liberal Arts Colleges will spend their fifth year in Teachers College with the following schedule:

FIFTH YEAR

First Semester	Second Semester	Cr. Hrs.
Electives to be approved by the Dean sufficient to bring total credit to 160 hours.	Practice Teaching 1213C	8
	School Management 1579	2
	Special Methods 1246B	4
	Educational Problems 1212	1
	Professional Ethics 1125	1
		16

Students spending five years in training have opportunity to earn two bachelor's degrees or a bachelor's and a Master's degree, depending upon the plan of work pursued. Either plan entitles the successful student to a State high school certificate and eligibility to appointment in the high schools of Akron.

FOUR YEAR COURSE

Students who are interested in preparing for high school positions in four years will have opportunity to do so but will not be placed on the appointment list for the City of Akron. It will be necessary for such students to confer with the Dean and select majors and minors according to the requirements of the State Department of Education. Upon the completion of this course the Bachelor of Education degree and the State certificate to teach in high schools are granted. Graduates are eligible to teach in all high schools of the state except in cities requiring five years of training.

GRADUATE COURSES

The graduate courses of Teachers College are open to any student who holds the Bachelor's degree from an approved institution. The Master's degree is conferred when the student has received thirty-two hours of unduplicated graduate credit, and has met the following requirements:

a. All work for the degree must be done under the direction of Teachers College.

b. The major in the graduate course must be logically related to the preliminary training, and may come from the departments of Education or Psychology.

c. As a preliminary, one course in education and one course in psychology shall be required.

d. Each candidate for the degree must present a major sequence of not less than 18 semester hours' credit in some one department.

e. The candidate must present one minor sequence of not less than 10 semester hours' credit. This sequence must have the approval of the head of the department in which the major sequence is taken, and must be taken in the department of Education, provided the major sequence has not been taken in that division and provided further the candidate has not presented the equivalent of 10 semester hours in Education in undergraduate courses.

f. At least three-fourths of the work credited for the Master's degree must be of A or B grade.

g. All candidates for the master's degree shall offer 24 hours of strictly graduate credit and meet all other catalog requirements.

h. Undergraduate courses offered for graduate credit shall be subject to the following restrictions:

(1) They shall be subject to the approval of the Head of the Department of Education and the Dean of Teachers College.

(2) All such approved undergraduate courses for graduate credit shall count for one-half of the number of hours regularly accredited to undergraduate courses.

(3) No readings or reports shall be required from graduate students in undergraduate courses that are not required of others.

(4) Not more than eight hours graduate credit for such undergraduate work may be offered for a Master's degree.

i. The candidate shall be required to present a satisfactory thesis on some subject in the general field of his major sequence. He will be required to take the seminar course extending throughout the year and present such parts of his thesis as may be decided upon by his major professor. The thesis and seminar shall be considered as a part of the 18 hours required for major.

j. The candidate shall be required to take final oral and written examinations in his major and minor sequences.

The name of the degree granted shall be determined by the name of the Bachelor's degree submitted for entrance to the graduate courses.

Candidates for the Master's degree are expected to declare their candidacy at the beginning of the year's work. Recommendation for acceptance of candidates must come from the Head of the Department in which the major sequence is taken, at least one semester before the degree is granted. A diploma fee of ten dollars is charged for the Master's degree.

DEPARTMENTS OF INSTRUCTION

The general system of numbering and arrangement is according to the following groups:

Art	1251-1260
Graduate Courses	1500-1600
Industrial and Vocational Education.....	1400-1450
Kindergarten Training	1300-1350
Methods and Teaching	1201-1250
Physical Education	1351-1400
Psychology and Education	1101-1200

Other subjects are numbered as in the general catalog.

ACADEMIC DEPARTMENTS

Students in Teachers College are assigned to classes in the Liberal Arts College for academic work in the various departments such as Mathematics, History, Political Science, Sociology, English, Foreign Languages and the Sciences. Arrangements for assigning students desiring commercial subjects to the College of Engineering and Commerce have also been made. This affiliation makes it possible for students in Teachers College to prepare for teaching any academic or commercial subject and, at the same time, satisfy the State requirements for professional training. For description of academic or commercial subjects, see general catalog. Such subjects required in Teachers College courses are numbered as in the general catalog of the University.

COURSES FOR 1925-26

ART

MRS. BARNHARDT

1251. ELEMENTS OF ART. First semester. Repeated second semester.
Two credit hours.

The elementary principles of design, color, lettering, composition and handling of different mediums are studied. Prerequisite for work in all advanced courses. MRS. BARNHARDT

1252. DESIGN, APPLIED DESIGN, COMMERCIAL DESIGN. First semester. Repeated second semester. Two credit hours.

This is a course in advanced design and the application to various materials through different mediums—the making of posters, book covers and cards. MRS. BARNHARDT

1253. DECORATIVE DESIGN, HOME PLANNING, COSTUME DESIGN.
First semester. Repeated second semester. Two credit hours.

This is a study of design applied to textiles, pottery, metal and furniture. Home planning includes house plans and complete house furnishing; history of costume and adaptation of modern costume.

MRS. BARNHARDT

1254. HOME PLANNING, FREE HAND SKETCHING. Second semester.
Two credit hours.

This is a course in architectural drawing and special projects in interior decoration. The planning of unusual rooms, theaters, stages, color under artificial light, landscape gardening, and free hand sketching is included in the course.

MRS. BARNHARDT

1255. HOME AND SCHOOL CRAFTS. Second semester. Two credit hours.

Applied design, stenciling, block printing, batik, applique, embroidery, tooled and dyed leather, color cement, parchment shades, enamel, gesso, basketry, book binding, and toy making, are included in this course. Prerequisite, two semesters of art.

MRS. BARNHARDT

GRADUATE COURSES

DEAN BANKES

PROFESSOR HAYES

ASSISTANT PROFESSOR KUHNES

Undergraduates may be admitted to these courses only by permission of the Instructor and the Dean.

- 1500-1501. SEMINAR. First and second semester. Two credit hours each semester.

Various members of the class will present theses and special problems will be presented by persons who may be invited to present them.

DEAN BANKES

1502. EDUCATIONAL SOCIOLOGY. Second semester. Two credit hours.

Many of the school problems which have as their basis social conditions serve as material for investigation and discussion. An effort will be made to analyze home, city, and state social conditions in the light of their educational significance. The chief aim of the course will be to define and analyze the social forces so that some of the problems of the school, the curriculum and the administration may be approached in a more satisfactory manner. Not offered in 1925-1926.

PROFESSOR HAYES

1503. CURRENT EDUCATIONAL THOUGHT. First semester. Two credit hours.

The purpose of this course is to analyze critically the new books on educational philosophy, theory and practice. The aim will be to familiarize the student with current educational thought as expressed in the newest books and magazines.

ASSISTANT PROFESSOR KUHNES

1505. THESIS. Four credit hours.

This course is open to graduate students and is required of all who are candidates for the Master's degree.

Conferences by appointment are held during both semesters. In addition to the preparation of the thesis, at least two appearances before the Seminar are required. A fee of ten dollars is charged for the thesis work.

DEAN BANKES, PROFESSOR HAYES,
ASSISTANT PROFESSOR KUHNES

1506. RESEARCH PROBLEM. Credit by arrangement—1 or 2 hours.

This course is open to graduate students and is in addition to the thesis. Only those who have received permission from their major professor and whose problem is approved, may receive credit. A fee of five dollars is charged.

PROFESSOR HAYES, ASSISTANT PROFESSOR KUHNES

1523. MENTAL HYGIENE. Second semester. Two credit hours.

This course is open to graduate students and will consist of both library assignments and class recitations. The basis of the course is a study of the more efficient methods of learning both from the pedagogic and hygienic basis.

PROFESSOR HAYES

1526. GENETIC PSYCHOLOGY. First semester. Two credit hours.

The course is open to graduate students and others who have had sufficient preparation in psychology and biology to satisfy the instructor.

This is a basic course for those who wish to major in psychology in their graduate work.

PROFESSOR HAYES

1527. ABNORMAL PSYCHOLOGY. First semester. Two credit hours.

The course will consist of lectures, discussions and reports dealing with disorders of perception, association, memory, affection, volition, personality, judgment and action, with respect to their respective normal phenomena. Open to graduate students and those whose experience has fitted them for appreciative study in this field.

PROFESSOR HAYES

1528. ADVANCED EDUCATIONAL PSYCHOLOGY. First semester. Two credit hours.

This is a graduate course and will consist of a general survey of the field of psychology both from a social and educational basis.

PROFESSOR HAYES

1529. PSYCHOLOGICAL SYSTEMS. First semester. Two credit hours.

The various theories, definitions, and conceptions of psychology will be studied. Some library work will be required in the field of psychic causation and the theories of the subconscious.

PROFESSOR HAYES

1530. COMPARATIVE PSYCHOLOGY. Second semester. Two credit hours.

The material for the course consists of investigations of the experimental data relative to the animal mind and the animal reactions to various stimuli. The work consists of both lectures and reports.

PROFESSOR HAYES

1531. SOCIAL PSYCHOLOGY. Second semester. Two credit hours.

The course will be given from the behavioristic viewpoint of psychology. Readings and reports from related fields of sociology and the other social sciences will be required.

1551. OBJECTIVES IN SECONDARY EDUCATION. First semester. Two credit hours.

This course is designed to orient the thinking of students regarding the historical, national, sociological, biological, psychological, pedagogical, and philosophical determinants of objectives in education.

ASSISTANT PROFESSOR KUHNES

1554. COMPARATIVE SCHOOL SYSTEM. Second semester. Two credit hours.

This course is designed to give an appreciation of the ideals, organization, administration, and teaching practices of foreign countries and to compare their school systems with those of America.

ASSISTANT PROFESSOR KUHNES

1560. THE CLASSROOM TEACHER AND ADMINISTRATIVE ORGANIZATION. First semester. Two credit hours.

The purpose of this course is to establish a basis for constructive thinking regarding the relation of the classroom teacher and the administrative organization.

ASSISTANT PROFESSOR KUHNES

1561. EDUCATIONAL ADMINISTRATION. Second semester. Two credit hours.

This course is designed to present the fundamental principles of educational administration, and planned to develop intelligent and sympathetic understanding of problems of organization and administration. Not offered in 1925-1926.

ASSISTANT PROFESSOR KUHNES

1562. EXTRA CURRICULAR ACTIVITIES. Second semester. Two credit hours.

The purpose of this course is to point out the significance of extra curricular activities in the intellectual, physical, social and moral maturing of the child, and the unifying influence on education as a whole.

ASSISTANT PROFESSOR KUHNES

1575. ANTHROPOLOGY OF THE SCHOOL CHILD. Second semester. Two credit hours.

This course is designed to orient the thinking of the student regarding the laws of human life, and develop a method that systematizes the positive study of the child for pedagogic purposes with a view to establishing philosophic principles of education.

ASSISTANT PROFESSOR KUHNES

1578. EDUCATIONAL PHILOSOPHY. First semester. Two credit hours.

This course is designed to interpret educational problems from the standpoint of philosophy. The discussion deals with the aims and ideals that should be dominant in education, and the nature of the mind with which education has to deal. ASSISTANT PROFESSOR KUHNES

1579. SCHOOL MANAGEMENT. Second semester. Two credit hours.

This is a study of the best practice in school management as found in the latest authorities on this subject. All students doing practice teaching in high school work are required to take this course.

ASSISTANT PROFESSOR KUHNES

1580. METHODS IN HIGH SCHOOL ENGLISH. Second semester. Two credit hours.

This is a course for teachers and prospective teachers of English in junior and senior high schools. The emphasis will be on the problems and methods of composition, and on the appreciation and practical uses of literature. Contact with present theory and practice will be given by lectures and assigned readings. ASSISTANT PROFESSOR KUHNES

INDUSTRIAL AND VOCATIONAL EDUCATION

MR. WATERHOUSE

MR. JELLISON

1401. HISTORY OF EDUCATION IN PRACTICAL ARTS. First semester. Two credit hours.

Teaching a vocation finds the recorded beginnings in agricultural and practical arts of the early period of Egyptian history. Its various manifestations will be traced through ancient, medieval, and modern history. Particular attention will be devoted to the developments in European countries that have paralleled the development in America.

- 1403-1404. WOODWORKING. First and second semesters. Three credit hours each semester. Nine hours per week in wood-working shop.

This is a course in bench work. The work is suited to seventh grade, eighth grade and high school. After preliminary problems are given, the work is made intensive.

- 1405-1406. METAL WORKING. First and second semesters. Three credit hours each semester. Nine hours per week.

This is a course of regular shop work in metal working with a view to giving a working knowledge of its fundamentals.

1407. METHODS IN SHOP SUBJECTS. First semester. Two credit hours.

The main trend of this course is in the direction of the development of general attitudes rather than the development of specific subject methods. The lectures treat theory and practice, what knowledge is worth while, culture, what is education, discipline and the ideal teacher.

MR. WATERHOUSE

1408. METHODS IN SHOP SUBJECTS. Second semester. Two credit hours.

The purpose of this course will be to develop substantial shop practice (1) by observing shop room practice, (2) by testing methods, and (3) by pooling ideas. It is not intended to imply that such a course should tend to standardize practice. Assigned visits will include shops and industries as well as school shops.

MR. WATERHOUSE

1409-1410. MECHANICAL DRAWING. First and second semesters. Two credit hours each semester.

In this course a thorough study of fundamentals of lettering, perspective and mechanical drawing is made.

1411-1412. PSYCHOLOGY OF SHOP SUBJECTS. First and second semesters. Two credit hours each semester.

Specific problems that may be factors affecting progress in learning will be assigned and discussed. The relation of the typical factors of chronological age, of mental age, and of physique to the requirements of the various shops suggests the type of problems.

MR. JELLISON

1413-1414. PRINTING. First and second semesters. Three hours each semester. Nine hours per week.

This is a course in printing given in the school print shop.

1415. ADMINISTRATION OF VOCATIONAL EDUCATION. First semester. Two credit hours.

This is a short course intended primarily for teachers and principals interested in the organization and supervision of shop subjects. It deals with types, objectives, co-ordinating possibilities, courses of study, time schedules, records, housing, industrial connections and staff.

MR. WATERHOUSE

1417. ELECTRICAL SHOP. First semester. Four credit hours. Twelve hours per week.

This is a course in electrical shop work given in an electrical shop of the public schools.

1419. FIELD PROJECT. First semester. Four credit hours.

Each student in his senior year will work out a project suitable to his major subject in shop teaching.

KINDERGARTEN TRAINING

MRS. HOWES

MRS. BARNHARDT

MRS. KUHNES

1301. PRACTICE TEACHING. First semester. Repeated second semester. Four credit hours.

Students will teach in the Akron Kindergartens under normal conditions as they exist in the city.

1303. METHODS IN KINDERGARTEN TEACHING. First semester. Repeated second semester. Four credit hours.

This is a course in methods and planning which is given by the Kindergarten critic. The needs of students will be the basis of this course.

1305. PLAY MATERIALS IN THE EDUCATION OF YOUNG CHILDREN. First semester. Two credit hours.

This is a study of selection and use of play materials such as toys, gymnasium apparatus, building blocks, and Froebelian gifts. These materials are selected in relation to the developing child in the light of modern educational theory.

MRS. HOWES

1307. KINDERGARTEN HANDWORK. First semester. Two credit hours.

This is preparatory work for teachers in Kindergarten and primary grades. Materials used are clay, paper, cardboard, wood and textiles.

MRS. BARNHARDT

1309. SONGS AND GAMES. First semester. Two credit hours.

A study of games will be made from the genetic standpoint, beginning with early childhood activities in which they originate, tracing their development from the informal game into the more highly organized and artistic traditional forms.

The course includes a study of the theories of play, the playing of games and practice in construction of games for children in Kindergarten and primary grades.

MRS. HOWES

1311. KINDERGARTEN ART. First semester. Two credit hours.

This is a course in free hand drawing, blackboard drawing, composition, color and design. Thorough knowledge of handling of different mediums—clay, stick printing, water colors, scissors and yarns is sought.

MRS. BARNHARDT

1313. HISTORY AND PHILOSOPHY OF KINDERGARTEN. First semester. Two credit hours.

This is a story of the early history of the Kindergarten movement and the curricula of Froebel, Montessori and other experimenters in the Kindergarten field in relation to present day experiments in dealing with the problems of the Kindergarten-primary methods.

MRS. HOWES

1315-1316. PIANO. First and second semesters. One credit hour each semester.

This course consists of private lessons in piano with instructor receiving approval of the Dean.

1317-1318. KINDERGARTEN MUSIC. First and second semesters. One credit hour each semester.

This course is designed to perfect individual tone placement, to develop tonal quality, and to emphasize the necessity of skill in presenting songs in the Kindergarten and primary grades. MRS. KUHNES

METHODS AND TEACHING

DEAN BANKES

PROFESSOR HAYES

ASSISTANT PROFESSOR KUHNES

MISS HOOVER

MISS GLOVER

MR. WATERHOUSE

MISS CARSON

MR. JELLISON

1203. OBSERVATION. First semester. Two credit hours. Two hours observation, 1 hour recitation.

In the junior year, all students preparing to teach in the elementary schools are required to take this course which gives observation in all elementary school activities. The purpose of this course is to orient the students and assist them in selecting the particular positions for which they wish to train. MISS HOOVER

1210. PRINCIPLES OF TEACHING. Second semester. Three credit hours.

This course is required of all prospective elementary teachers by the State Department of Education.

The course deals with the principles of educational practice which are sound from a psychological viewpoint, and have been successfully applied. Two hours of recitation and one hour of observation are required. PROFESSOR HAYES

1211. EDUCATIONAL PROBLEMS. First semester. Repeated second semester. One credit hour.

This class is especially planned for students who are doing their practice teaching. The particular problems in discipline and methods of teaching will be discussed. General problems of the teacher will receive careful attention. DEAN BANKES

1213-A. PRACTICE TEACHING. First semester. Repeated second semester. Four credit hours.

Students preparing to do Kindergarten-primary work will teach in Akron primary schools under conditions as they actually exist in the school room.

1213-B. PRACTICE TEACHING. First semester. Repeated second semester. Eight credit hours.

For those training to become elementary teachers.

1213-C. PRACTICE TEACHING. First semester. Repeated second semester. Eight credit hours.

For those training to become high school teachers.

1213-D. PRACTICE TEACHING. First semester. Repeated second semester. Eight credit hours.

For those training to become home economics teachers.

1213-E. PRACTICE TEACHING. First semester. Repeated second semester. Eight credit hours.

For those training to become shop teachers.

1213-G. PRACTICE TEACHING. First semester. Repeated second semester. Eight credit hours.

For those training to become art teachers.

1213-H. PRACTICE TEACHING. First semester. Repeated second semester. Eight credit hours.

For those training to become music teachers.

1216. PRIMARY METHODS. First semester. Repeated second semester. Four credit hours.

This is a course of methods in planning and teaching. This is given by the supervisor of practice teaching in conference with students. The needs of the student teacher will be the basis for this course.

1217-1218. PRIMARY METHODS. First and second semester. Three credit hours each semester.

A course in the general methods pertaining to the work of primary teachers with special attention to reading. Materials for construction work, methods and devices for use in the primary grades and the application of psychological principles for primary education.

MISS CARSON

1225. THE TEACHING OF ARITHMETIC. First semester. Two credit hours.

The course emphasizes the changes in modern texts, and aims to show the present day methods in teaching arithmetic, and to apply these methods in the solution of practical problems.

MISS HOOVER

1223. THE TEACHING OF GEOGRAPHY. Second semester. Two credit hours.

The problem and project method will be used throughout the course to develop subject matter. Special reports, observation trips, practical demonstration of methods, and library readings are requisites for credit work. MISS HOOVER

1230. STORY TELLING FOR THE UPPER GRADES. First semester. Three credit hours.

This course is designed to teach story telling as an aid to the appreciation of history, literature, science, art, music, etc., as taught in grades four to eight inclusive in the elementary school. MISS HOOVER

- 1232-A. PUBLIC SCHOOL MUSIC. First semester. Two credit hours.

This course is devoted to the study and demonstration of materials and methods for Kindergarten and the first four years in music. Special attention is given to the presentation of the different tonal and rhythmic problems as they are taken up in the successive years. MISS GLOVER

- 1232-B. PUBLIC SCHOOL MUSIC. Second semester. Two credit hours.

This course is devoted to the teaching of music in the upper grades from the fifth to the eighth inclusive. The work of each year is taken up in detail and the problems which confront grade teachers are carefully considered. MISS GLOVER

1239. THE TEACHING OF LANGUAGE. First semester. Two credit hours.

The teaching of language emphasizes oral composition, vocabulary building, sentence structure, and the use of correct language forms. The course further aims to teach the essential elements in all language teaching. MISS HOOVER

1240. THE TEACHING OF HISTORY. Second semester. Two credit hours.

The purpose of this course is to emphasize types of teaching through the use of large units of subject matter rather than through following the chronological order of the text. MISS HOOVER

1241. SCHOOL MANAGEMENT. First semester. Repeated second semester. Three credit hours.

This course is designed for those who are preparing to teach in the elementary schools. The course is given in conjunction with the practice teaching. Required of all cadet teachers. PROFESSOR HAYES

1243. LITERATURE FOR THE UPPER GRADES. Second semester. Three credit hours.

The teaching of literature will be approached through the appreciation lesson. The aim of the course is to awaken an interest in grade literature and to show the possibilities for self expression through a knowledge of poetry, story, biography, and fiction. MISS HOOVER

1246-A. **METHODS.** First semester. Repeated second semester. Three credit hours.

This is a course of methods in planning and teaching elementary subjects. Needs of students while practice teaching form the basis of instruction.

1246-B. **METHODS.** First semester. Repeated second semester. Four credit hours.

Same as 1246-A except that this is for high school teachers.

1246-C. **METHODS.** First semester. Repeated second semester. Four credit hours.

For those training to become home economics teachers.

1246-D. **METHODS.** First semester. Repeated second semester. Four credit hours.

For those training to become shop teachers.

1246-E. **METHODS.** First semester. Repeated second semester. Four credit hours.

For those training to become physical education teachers.

1246-F. **METHODS.** First semester. Repeated second semester. Four credit hours.

For those training to become art teachers.

1246-G. **METHODS.** First semester. Repeated second semester. Four credit hours.

For those training to become music teachers.

PHYSICAL EDUCATION

DIRECTOR SEFTON

MR. SMITH

MISS DUNCKLEY

1351. **FIRST AID AND MASSAGE.** First semester. One credit hour.

A study is made of the principles and the practice of methods of first aid and massage. Emphasis is laid on conditions arising from injuries in connection with physical education and athletics. MISS DUNCKLEY

1352. **FOLK GAMES AND DANCES.** First semester. Two credit hours. Four hours per week.

One hour lectures are given once each week on the characteristics and customs of various countries. Typical folk games and dances are given as practical work during the balance of the required time.

MISS DUNCKLEY

1353-1354. **PHYSICAL EDUCATION PRACTICE.** First and second semesters. One credit hour each semester. Three hours per week.

This course deals with instruction and practice in the use of free hand, dumb bell, wands and Indian club exercises.

MR. SMITH, MISS DUNCKLEY

1355-1356. **PHYSICAL EDUCATION PRACTICE.** First and second semesters. One credit hour each semester. Three hours per week.

This is a course in instruction and practice in the use of heavy apparatus in the gymnasium.

MR. SMITH, MISS DUNCKLEY

1357. **PLAYGROUND ORGANIZATION.** First semester. Two credit hours.

This course is a study of the history, organization, supervision and construction of playgrounds.

MR. SMITH

1358. **HISTORY OF PHYSICAL EDUCATION.** Second semester. Two credit hours.

A careful study of the history of physical education from ancient times to the present is made. Emphasis is laid upon methods employed, and comparisons are drawn with methods in use at the present time.

MR. SMITH

1359. **PRESCRIPTION OF EXERCISE.** First semester. Three credit hours.

This is a study of the causes, diagnosis and detection of physical defects. Corrective exercises are prescribed. Methods for use in physical examinations are indicated.

MR. SMITH

1360. **CORRECTIVE EXERCISE.** Second semester. Three credit hours.

In this course, exercises applicable to defects studied in course 1359 are practiced. Course 1359 is a prerequisite.

MR. SMITH

1361-1362. **PLAY AND GAMES.** First and second semesters. One credit hour each semester. Three hours per week.

This is practice of games suitable for use in physical education work. The first semester is devoted to games of low and middle organizations.

The second semester is devoted to the practice of games of high organization and minor sports. Separate classes for men and women are organized.

MR. SMITH, MISS DUNCKLEY

1363-1364. **ORGANIZATION AND DIRECTION OF PHYSICAL ACTIVITIES.** First and second semesters. Two credit hours each semester.

Principles and methods of organization for general physical activities are stressed. During the first semester, ideals, standards and methods of directing play room and gymnasium activities in the platoon school organization are stressed.

The second semester is devoted to the direction of high school physical activities.

MR. SMITH, MISS DUNCKLEY

1365. PRINCIPLES OF BASKETBALL COACHING. First semester. One credit hour.

Lectures on basketball theory and technique. DIRECTOR SEFTON

1366. PRINCIPLES OF BASEBALL COACHING. Second semester. One credit hour.

Lectures on baseball theory and technique. DIRECTOR SEFTON

1367. ADMINISTRATION OF PHYSICAL EDUCATION. First semester. Two credit hours.

A study is made of physical education and its administration in the light of present day educational philosophy. MR. SMITH

1368. TEACHING OF PHYSICAL EDUCATION. Second semester. Eight credit hours.

Practice teaching of physical education is done for a full semester under regular school conditions and with a competent supervisor in charge. Full time teaching required.

1369. PRINCIPLES OF FOOTBALL COACHING. First semester. One credit hour.

Lectures on football theory and technique. DIRECTOR SEFTON

1370. SPECIAL METHODS IN PHYSICAL EDUCATION. Second semester. Four credit hours.

This consists of discussions of problems and observation as encountered in practice teaching. MR. SMITH

1372. PRINCIPLES OF TRACK AND FIELD ATHLETIC COACHING. Second semester. One credit hour.

Lectures on theory and technique of track and field athletics. DIRECTOR SEFTON

1381-1382. PHYSICAL EDUCATION PRACTICE. First and second semesters. One credit hour each semester. Three hours per week.

This course is designed to give men practice in special activities such as boxing, wrestling and tumbling. The outline of practice for women includes rhythmic work. MR. SMITH, MISS DUNCKLEY

1383. PHYSICAL EDUCATION PRACTICE. First semester. One credit hour. Three hours per week.

This consists of instruction and practice in swimming, diving and life saving. MR. SMITH, MISS DUNCKLEY

1384. APPLIED ANATOMY. First semester. Two credit hours.

A careful study is made of the science of bodily movement in its relation to the problem of physical development. MR. SMITH

1385. PHYSIOLOGY OF EXERCISE. First semester. Two credit hours.

A study is made of the effects of exercise on the human body. MR. SMITH

PSYCHOLOGY AND EDUCATION

DEAN BANKES

PROFESSOR HAYES

ASSISTANT PROFESSOR KUHNES

MISS HOOVER

MR. HATTON

MR. CHENOT

MR. SMITH

MR. WATERHOUSE

1102. GENERAL PSYCHOLOGY. Second semester. Four credit hours.

This course is designed to make psychology function in the life of all students in and after college. A comprehensive view of the facts, principles, and theories of human psychology are taken up, but with the emphasis upon how to use them.

ASSISTANT PROFESSOR KUHNES, MR. CHENOT

1103. EDUCATIONAL PSYCHOLOGY. First semester. Two credit hours.

This course is designed to make application of the general psychological principles operating in individual behavior, as applied to the teaching profession. Prerequisite course 1102.

PROFESSOR HAYES, ASSISTANT PROFESSOR KUHNES

1104. EDUCATIONAL PSYCHOLOGY. Second semester. Two credit hours.

This course deals with the psychological processes of learning with special attention to individual differences in capacity for reaction and adjustment. Special attention is given to processes of motor activity, association and memorizing. Prerequisite course 1102.

ASSISTANT PROFESSOR KUHNES

1105. CHILD PSYCHOLOGY. First semester. Two credit hours.

This course deals with the child as the product of instincts and emotions, the epochs of ontogenetic development, the origin and significance of play and other social activities.

The aim of the course is to give a psychological basis for the intelligent management of the pre-adolescent child. PROFESSOR HAYES

1107. PSYCHOLOGY OF ADOLESCENCE. Second semester. Two credit hours.

This course deals with the physical and psychic changes which take place during the period of adolescence. The problems of sex and social behavior, juvenile delinquency, and general mental development will be considered. Current literature dealing with adolescent activities, will be assigned for report and discussion. PROFESSOR HAYES

1108-A. PSYCHOLOGY OF THE EXCEPTIONAL CHILD. First semester.
Two credit hours.

This course deals with the management and education of the child who deviates from the normal. Attention is given, through reports and discussions, to the problems of precocity, backwardness, feeble-mindedness, neural instability and peculiar mental defects. PROFESSOR HAYES

1108-B. PSYCHOLOGY OF THE EXCEPTIONAL CHILD. Second semester.
Two credit hours.

This course deals with methods of determining the mental status of the deviating child. Various types of mental measurements will be studied, demonstrations of the use and administration of tests will be given. Attention will be given to the use of tests as a basis for grading and classification of children. PROFESSOR HAYES

1112. PSYCHOLOGY OF LEARNING. Second semester. Two credit hours.

In this course, a study of the learning process will be made. Laboratory and class experiments dealing with memorizing and forgetting as applied to various types of material will be made. Special attention will be given to types of memory and learning aptitudes. Open to advanced students. PROFESSOR HAYES

1116. ADMINISTRATION OF VOCATIONAL EDUCATION. Second semester. Two credit hours.

This is a short course intended primarily for teachers and principals interested in the organization and supervision of shop subjects. It deals with types, objectives, co-ordinating possibilities, courses of study, time schedules, records, housing, industrial connections and staff.

MR. WATERHOUSE

1123. HOW TO STUDY. First semester. One credit hour.

This course, which all freshmen are required to take, is intended to lead the students to an understanding of psychological procedure in college work.

1124-1125. PROFESSIONAL ETHICS. First and second semesters. One credit hour each semester.

This course is a discussion of the ethics of the teaching profession dealing with the relationship of teachers, principals, supervisors, and superintendents, and the teacher's attitude toward pupils and parents.

DEAN BANKES

1130. GENERAL HISTORY OF EDUCATION. Second semester. Three credit hours.

The purpose of this course is to furnish a background for the interpretation of our present day educational problems by tracing the development of education from the ancient to the modern times.

Library readings, reports and discussions, problem solving, and personal investigations are special features of the course.

MISS HOOVER, MR. HATTON

1131. HISTORY OF EDUCATION IN THE UNITED STATES. First semester. Three credit hours.

The course is a study of the European background of American education, and the history of the development of the public school system as it is today.

MISS HOOVER, MR. CHENOT, MR. HATTON

1133. AN INTRODUCTION TO EDUCATION. First semester. Two credit hours.

This course is designed to introduce the teacher to the problems of education. It is a survey course in the field of education.

ASSISTANT PROFESSOR KUHNES

1134. TESTS AND MEASUREMENTS FOR ELEMENTARY SCHOOLS. First semester. Repeated second semester. Two credit hours.

In this course a brief study is made of school marks as compared with the marks given as a result of standard tests.

The elements of statistical measurement are taken up. Administration and marking various types of educational tests, and the possible use of such marks will receive attention.

1137. OBJECTIVES IN ELEMENTARY EDUCATION. Second semester. Two credit hours.

The policy of this course is to evaluate essentials and non-essentials in aims, motives, methods, and results of teaching in the elementary schools.

Reports and discussions, library readings, and reports from practical experience, in addition to the text are required in the course.

MISS HOOVER

1160. THE PLATOON SYSTEM. First semester. Two credit hours.

Particular attention will be given to the platoon plans of organization, the correlation of various school subjects, the duties of different teachers, and variety of schedules as found in platoon schools.

DEAN BANKES

1163. BOYS WORK. Second semester. Two credit hours.

The problems of boyhood are studied in the light of various organizations for advancement of boy life. Programs of the school, the church, the home, Y. M. C. A., Boy Scout and other agencies, will be studied in the light of modern psychology. Experts in boys' work will be brought in for special lectures in their particular fields.

DEAN BANKES

1172. PERSONAL HYGIENE. Second semester. Two credit hours.

The aim of this course is to give a scientific background for the various health activities of the school and the community. The important problem of the care of the body from both the individual and social viewpoint is carefully investigated.

MR. SMITH

1174. COMMUNITY AND CIVIC IDEALS. First semester. Repeated second semester. Two credit hours.

This course is a study of ideals which should dominate the influence of the schools and cement the community and educational interests. A careful analysis of the relation of school subjects, extra curricular activities and school discipline to life ideals is made. MR. SMITH

1176-A. THE AUDITORIUM. First semester. Two credit hours.

This course is for teachers of the first four grades. A study is made of the different activities as found in the auditoriums of platoon schools. Comparative values of auditorium practice will feature this course.

MR. DILLEHAY

1176-B. THE AUDITORIUM. Second semester. Two credit hours.

The same plan of work is used as in 1176 except that grades five to eight will receive special attention.

MR. DILLEHAY

COURSES FOR TEACHERS IN SERVICE

The Teachers College will offer evening and Saturday courses during the year 1925-26. These courses of college grade will receive full credit. The restrictions of the State Department of Education as to the number of hours of extension work which may be included in a two year, three year, or four year course, *do not* apply to these courses.

EVENING SESSION

1925-1926

The University holds a regular evening session repeating many of the subjects of the day session. Opportunity is offered to teachers and others employed during the day to secure college work for which credit is given on the same basis as for the subjects of the day session. For those who may desire to begin a regular college course it is possible to secure most of the first two years of work in the evening session.

ADMISSION

The Evening Session is open to:

All persons who have completed the course of a first-grade high school.

All other persons over twenty-one years of age, subject to the approval of the instructor in charge as to ability and preparation. Candidates for a degree must complete the regular college entrance requirements.

REGISTRATION

Registration will take place on the following days:

For the first semester: Saturday, September 12, 1925, 2:00 to 5:00 and 7:00 to 9:00 p. m. No registrations for entry to any class will be allowed after the second session of the class.

For the second semester: Saturday, January 23, 1926, 2:00 to 5:00 and 7:00 to 9:00 p. m. No registrations for entry to any class will be allowed after the second session of the class.

Class work for the first semester will begin Wednesday, September 16, 1925 and will close January 30, 1926.

Class work for the second semester will begin Monday, February 1, 1926 and will close June 11, 1926.

SUMMER REGISTRATION

Registration for the Evening Session will begin on July 15, and will be continuous for residents and non-residents throughout the summer from 9:00 a. m. to 4:00 p. m. daily in Room 33, Buchtel Hall.

CREDIT

College credit will be given on the basis of one credit hour for the successful completion of a one-hour per week course for one semester. For all courses marked with an * credit will be given in Teachers College.

EXTENSION COURSES

The University of Akron will give regular extension courses to students at centers other than the University buildings under condition that the class to be formed consist of not less than twenty students paying the regular fee based upon a charge of \$7.00 for a course held two hours per week during one semester. The place for recitation and class room equipment must in such cases be furnished by the petitioning group. Only courses of college rank will be given and only those courses will be given for which the University can furnish a competent instructor of University rank. University credit will be given for the successful completion of such courses.

COURSES FOR 1925-26

ART

MRS. BARNHARDT

- *1251. ELEMENTS OF ART. First semester. Repeated second semester.
Two credit hours.

The elementary principles of design, color, lettering, composition and handling of different mediums are studied. Prerequisite for work in all advanced courses. Monday 7:30-9:30. MRS. BARNHARDT

- *1252. DESIGN, APPLIED DESIGN, COMMERCIAL DESIGN. First semester. Two credit hours.

This is a course in advanced design and the application to various materials through different mediums. The making of posters, book covers and cards. Wednesday 7:30-9:30. MRS. BARNHARDT

- *1253. DECORATIVE DESIGN, HOME PLANNING, COSTUME DESIGN. First semester. Two credit hours.

This is a study of design applied to textiles, pottery, metal and furniture. Home planning includes house plans and complete house furnishing; history of costume and adaptation of modern costume. Thursday, 7:30-9:30. MRS. BARNHARDT

- *1254. HOME PLANNING, FREE HAND SKETCHING. Second semester. Two credit hours.

This is a course in architectural drawing and special projects in interior decoration—the planning of unusual rooms, theaters, stages, color under artificial light, landscape gardening and free hand sketching are included in this course. Wednesday 7:30-9:30. MRS. BARNHARDT

- *1255. HOME AND SCHOOL CRAFTS. Second semester. Two credit hours.

Applied design—stenciling, block printing, batik, applique, embroidery, tooled and dyed leather, color cement, parchment shades, enamel, gesso, basketry, book binding, and toy making, are included in this course. Two semesters of art are a prerequisite for this course. Thursday, 7:30-9:30. MRS. BARNHARDT

- *1307. KINDERGARTEN HANDWORK. Second semester. Two credit hours.

This is preparatory work for teachers in kindergarten and primary grades. Materials used are clay, paper, cardboard, wood and textiles. Tuesday, 7:30-9:30. MRS. BARNHARDT

- *1311. KINDERGARTEN ART. First semester. Two credit hours.

This is a course in free hand drawing, blackboard drawing, composition, color and design. Thorough knowledge of handling of different mediums—clay, stick printing, water color, scissors, and yarns—is sought. Tuesday, 7:30-9:30. MRS. BARNHARDT

BIOLOGY

ASSISTANT PROFESSOR KRAATZ
MR. FOX

- *INSECTS AND MAN. First and second semesters. Two credit hours each semester.

This course considers in a strictly elementary way the economic and sanitary relations of the great class of insects to the human race. Such topics as the following are studied: general structure and adaptations of insects; fitness of insects to survive; insects as agents in the propagation of plants; insects in relation to agriculture, and as destroyers of food and fabrics; insects as carriers of disease, etc. Tuesday, 7:30-9:30. ASSISTANT PROFESSOR KRAATZ

- *SCHOOL HEALTH AND SANITATION. First and second semesters. Two credit hours each semester.

This course consists of an elementary study of the factors that make for the health of pupil and teacher, in connection with the sanitation problems of the school. Lectures and reference reading touch upon such topics as micro-organisms and their relation to disease, immunity, hygienic problems of the individual, and the place of enlightened public opinion in the campaign for school health. Thursday, 7:30-9:30. MR. FOX

COMMERCE AND ADMINISTRATION

PROFESSOR McDERMOTT
PROFESSOR McJOYNT
MR. WHITNEY
MR. HORN
MR. MARTING
MR. MARSH
MR. PORTER

Note: The courses given by the commerce department in the evening session enable a student to begin a regular course in commerce and business administration leading to a degree. It is possible for a student to take one or two business subjects a semester, combining with these such other subjects as English, language, history, government, mathematics, and thus complete the subjects that are required in a regular business course as given in the day session. Courses to meet the needs of the young business man of the city are given. Students interested in courses in accounting, either for a C. P. A. degree, or a general survey of the field of accounting, will find courses to meet their needs. The student interested in real estate courses should take Introduction to Real Estate Practice and Commercial Economics the first semester, and Commercial and Real Estate Law and Real Estate Transfers and Conveyances the second semester.

BOOKKEEPING AND ACCOUNTING. First semester. Repeated second semester. Two credit hours. Beginning course.

This course includes the science of constructing systematic records of business transactions; a study of double entry bookkeeping; a critical examination of the typical factors in capital and revenue account; a development of forms used in business; and forms and records used in different industrial enterprises. Many illustrative problems are used. Wednesday, 7:30-9:30.

MR. PORTER

ACCOUNTING. First semester. Repeated second semester. Two credit hours. Advanced Course.

In this course the principles of bookkeeping are reviewed; new forms used in accounting introduced; partnerships and corporations studied and analyzed and corporation accounting is completed. Much of the material used gives a fair working knowledge of the simple elements in cost accounting. Thursday, 7:30-9:30.

MR. MARSH

ACCOUNTING PROBLEMS. Second semester. Two credit hours. Follows Advanced Accounting.

This is a problem course for those who wish to have a good general review of the subject of general accounting. Problems are taken up in the various fields of accounting which are similar to the work that the student will find in the office, in industry and in commerce. Students desiring to take a C. P. A. examination need this course to complete the work in general accounting. Thursday, 7:30-9:30.

MR. MARSH

COST ACCOUNTING. First semester. Repeated second semester. Two credit hours. Beginning Course.

A working knowledge of accounting is required for entrance.

This course is designed to cover an exposition of the utility and methods of cost accounting, elements, and units of cost of various types of business, sources of cost data; measurement of direct cost; methods of apportioning and distributing overhead expenses; organization of cost systems; presentation and utilization of cost data; studies and reports of cost accounting systems; and C. P. A. problems. Wednesday, 7:30-9:30.

MR. HORN

BUSINESS AND BANKING FINANCE. First semester. Two credit hours. Beginning course.

The subjects studied in this course are: relation of finance to business; the financial side of business administration; history and origin of financial transactions; introduction to banking practices and bank work; work of the banker in relation to the public and industries; stocks and bonds; budgets and financial reports, financial standards, promotion, dividends, and reorganization. Tuesday, 7:30-9:30.

PROFESSOR McDERMOTT

BUSINESS AND REAL ESTATE LAW. Second semester. Two credit hours. Beginning course.

This course is an introduction to the customs and laws of trade, business, and finance, detailed study of contracts, bills and notes, bailments, agency, partnership, personal and real property, common carrier, insurance, deeds, mortgages, wills, etc. Many cases are studied to show the application of business law. This is a business man's course and is adapted to conditions in Akron. Tuesday, 7:30-9:30.

PROFESSOR McDERMOTT

SALESMANSHIP. Second semester. Two credit hours. Beginning course.

This course discusses the role of salesmen in modern business; relation of salesmanship and advertising; analyzing the goods, the market and the customers for advertising and selling campaigns; construction of oral and written selling talks; conduct of selling campaigns; sales equipment, sales records and tests of efficiency; essential qualifications of a salesman in various types of manufacturing and wholesale and retail institutions; choosing, training, organizing and supervising salesmen; ethics of salesmanship. Wednesday, 7:30-9:30.

MR. WHITNEY

INDUSTRIAL AND COMMERCIAL GEOGRAPHY. First semester. Three credit hours. Beginning course.

This course makes a study of the growth and factors of commerce and industry; the most important industries of the United States; physical features of the world in their relation to the development of commerce and industry; mineral industries and their relation to the development of the state; centers of great industry; transportation, communication; relation of government to industry and trade; foreign commerce of the United States and all other important countries of the world. Tuesday, 7:30-9:30. Friday, 6:30-7:30. PROFESSOR McDERMOTT AND OTHERS

ECONOMIC DEVELOPMENT OF THE UNITED STATES. Second semester. Three credit hours. Beginning course.

Development of colonial industry with a careful survey of industrial history of England; early trade restrictions; availability of the resources of the United States and their developments; movements of trade and industry in the early history of the country as well as present movements; effect of trade and tariff on industry; labor movements and the development of the labor union; our modern industries and their development, are the important studies taken up in this course. Tuesday, 7:30-9:30. Friday, 7:30-8:30. PROFESSOR McDERMOTT AND OTHERS

COMMERCIAL ECONOMICS. First semester. Two credit hours. Beginning course.

This is a beginning course in economics for the real estate man and the commercial student. It covers the purpose and scope of the subject of commercial economics, the three fundamental laws; value and exchange; the consumer, the buyer, and the trader. A study of the actions of men in buying and selling, and economic reasons back of them and a study of land, labor, capital, money, credit, rent, interest, and wages is made. The course is based upon agricultural and land economics texts. Many problems are used. Thursday, 7:30-9:30. PROFESSOR McJOYNT

INTRODUCTION TO REAL ESTATE PRACTICE. First semester. No credit. Beginning course.

This course makes a study of the activities of the real estate dealer, the tasks that he performs; forms used in the office of the real estate dealer; renting and management of residential property; renting of commercial property and the management of office buildings; property insurance; selling of business property; selling residential property; real estate advertising; real estate appraisals; real estate finance; subdividing; building operations; and legal forms and titles. Tuesday, 7:30-9:30.

MR. MARTING

REAL ESTATE TRANSFERS AND CONVEYANCES. Second semester. No credit. Beginning course.

This is a course intended for real estate men and others interested in the transfer of property and land. The forms used in the transfer of lots and buildings; papers necessary, and their application to such transfers; land contracts and contracts to sell; leases of all kinds; all forms in the transfer and conveyance of all property of the real estate dealers are studied in this course. Thursday, 7:30-9:30. **MR. MARTING**

REAL ESTATE BROKERAGE. First semester. No credit.

This is a course designed to develop the best form of office organization and management and accounting forms. A study is also made of the sales end and advertising used in Real Estate practice and leases and property management. Thursday, 7:30-9:30.

MR. MARTING AND OTHERS

REAL ESTATE FINANCE. Second semester. No credit.

The principles of land economics as outlined by the National Real Estate Board as well as land and property value are studied. Building operations are taken up from the realtor's point of view. Factors involved in sub-division development are worked out. The appraisal of buildings and lands, and methods used, are important subjects of the course. Tuesday, 7:30-9:30.

MR. MARTING AND OTHERS

ECONOMICS

(See Political Science and Economics)

EDUCATION

(See Psychology and Education)

ENGLISH

PROFESSOR PEASE

MR. GRISMER

MRS. MACKINNON

***51-52. RHETORIC.** First and second semesters. Three credit hours each semester.

This course is designed for elementary instruction in English composition. Students are given practice in expressing their own ideas. Attention is devoted particularly to sentence and paragraph structure, and to writing short expository compositions.

In the second semester attention is given to description, characterization, and narration. The students write compositions that build up to a final long narrative work. Wednesday, 6:30-7:30. Friday, 7:30-9:30.

MR. GRISMER

*75-76. AMERICAN LITERATURE. First and second semesters. Three credit hours each semester.

After a somewhat rapid survey of the literature of the Colonial and Revolutionary Periods, the work centers in a study of the leading poets and prose writers of our later literature. Wednesday, 6:30-7:30. Friday, 7:30-9:30. PROFESSOR PEASE

*89. STORY TELLING. First semester. Two credit hours.

This course covers history, analysis, choice of material and technique. The work will take the form of stories, reports, discussions, book reviews, adaptations and dramatizations. Wednesday 7:30-9:30.

MRS. MACKINNON

III-IV. ADVANCED STORY TELLING. First and second semesters. Two credit hours each semester.

Oral and written work will include stories, discussions, reports, book reviews, adaptations and dramatizations.

The second semester covers style, structure and choice of stories, method of presentation and research work in folk lore. Prerequisite, Story Telling I and II. Thursday, 7:30-9:30. MRS. MACKINNON

HISTORY

MR. GARDNER

HISTORY OF ENGLAND. First and second semesters. Three credit hours each semester.

This course covers the formation of the English race and civilization; the growth of the national government; the influence of the church and the economic and social conditions of the periods, with special emphasis on colonization and modern problems of the empire. Monday, 6:30-7:30. Wednesday, 7:30-9:30. MR. GARDNER

HOME ECONOMICS

MISS STINSON

605-606. FOODS. First and second semesters. One credit hour each semester.

This course is laboratory work in the selection and preparation of foods; their nutritive value, and their comparative costs. Thursday, 7:30-9:30. MISS STINSON

MATHEMATICS

PROFESSOR JONES

MISS LIPSCOMBE

*302. ALGEBRA. First semester. Four credit hours.

The following topics are studied: a review of elementary algebra; surds; linear and non-linear equations; proportion and variation; progressions; mathematical induction and binomial theorem; permutations and combinations. Monday, Tuesday, Thursday, Friday, 6:30-7:30.

MISS LIPSCOMBE

***301. TRIGONOMETRY.** Second semester. Four credit hours.

The following topics are studied: angles and their measurements; the trigonometric functions; fundamental identities; reduction theorems; addition and multiplication theorems; trigonometric equations; the inverse trigonometric functions; the right and oblique triangles; logarithms. Monday, Tuesday, Thursday, Friday, 6:30-7:30. PROFESSOR JONES

METALLURGY

MR. SCHAEFER

METALLURGY OF IRON AND STEEL. First semester. Two credit hours.

This course is designed for men in the various trades who desire a knowledge of metallurgy. The manufacture and production of pig iron wrought iron, bessemer and open hearth steel, crucible and electrical tool steels will be studied. Also the different types of furnaces; methods of rolling steel and purposes for which different grades of steel are used. Thursday, 7:30-9:30. MR. SCHAEFER

PRACTICAL HEAT TREATING. Second semester. Two credit hours.

This course is a continuation of the course in Metallurgy. A study of the methods of forging and heat treating various kinds of steel. The course will consider the fuels, furnaces, and materials used in heat treating steel. Lectures and laboratory work in heat treating, pyrometry, microscopic examination and physical testing of steel. The class will be addressed by authorities in their respective subjects. Thursday, 7:30-9:30. MR. SCHAEFER

METHODS AND TEACHING

MISS HOOVER

MR. WATERHOUSE

***1225. THE TEACHING OF ARITHMETIC.** First semester. Two credit hours.

This course emphasizes the changes in modern texts, and aims to show the present day methods in teaching arithmetic, and the application of these methods in the solution of practical problems. Wednesday, 7:30-9:30. MISS HOOVER

***1239. THE TEACHING OF LANGUAGE.** Second semester. Two credit hours.

The teaching of language emphasizes oral composition, vocabulary building, sentence structure, and the use of correct language forms. The course further aims to teach the essential elements in all language teaching. Wednesday, 7:30-9:30. MISS HOOVER

***1243. LITERATURE FOR THE UPPER GRADES.** First semester. Two credit hours.

The teaching of literature will be approached through the appreciation lesson. The aim of the course is to awaken an interest in grade literature and to show the possibilities for self-expression through a knowledge of poetry, story, biography and fiction. Tuesday, 7:30-9:30. MISS HOOVER

- *1407. **METHODS IN SHOP SUBJECTS.** First semester. Two credit hours.

The main trend of this course is in the direction of the development of general attitudes rather than the development of specific subject methods. The lectures treat theory and practice, what knowledge is worth while, culture, what is education, discipline and the ideal teacher. Thursday, 7:30-9:30. **MR. WATERHOUSE**

- *1408. **METHODS IN SHOP SUBJECTS.** Second semester. Two credit hours.

The purpose of this course will be to develop substantial shop practice (1) by observing shop room practice, (2) by testing methods, and (3) by pooling ideas. It is not intended to imply that such a course should tend to standardize practice. Assigned visits will include shops and industries as well as school shops. Thursday, 7:30-9:30. **MR. WATERHOUSE**

ROMANCE LANGUAGES

PROFESSOR BULGER

ASSISTANT PROFESSOR REED

MISS ROGERS

MR. TAILLIART

Entrance: Candidates for entrance presenting but one year of modern language may take the second year on trial if they made a grade of 85%. If their grade was lower than 85%, they must take the first year's work, and they will receive only half credit for the work. Students presenting two years of a foreign language for entrance will enter the second year.

FRENCH

- *151-152. **BEGINNING FRENCH.** First and second semesters. Four credit hours each semester.

This course includes a thorough study of grammar, with special emphasis upon dictation and oral work.

In the second semester, work in grammar is continued, with reading of two hundred or more pages of French. Tuesday and Thursday, 7:30-9:30. **PROFESSOR BULGER**

- *153-154. **SECOND YEAR FRENCH.** First and second semesters. Three credit hours each semester.

This course reviews grammar, stresses idioms and irregular verbs. Reading of stories and plays with résumés of each written in French. Tuesday, 7:30-9:30. Thursday, 6:30-7:30. **ASSISTANT PROFESSOR REED**

SPANISH

*171-172. **ELEMENTARY SPANISH.** First and second semesters. Four credit hours each semester.

This course is designed to give intensive training in composition, dictation, conversation, and the reading of simple prose. Tuesday and Thursday, 7:30-9:30.
MISS ROGERS

*173-174. **INTERMEDIATE SPANISH.** First and second semesters. Three credit hours each semester.

This course includes a review of grammar with dictation, conversation, and the reading of several texts. Tuesday, 7:30-9:30. Thursday, 6:30-7:30.
MR. TAILLIART

POLITICAL SCIENCE AND ECONOMICS

PROFESSOR CRECRAFT

ASSISTANT PROFESSOR DAVIS

MR. HALLENBECK

*261-262. **AMERICAN GOVERNMENT.** First and second semesters. Four credit hours each semester.

This course is required of all freshmen in the Arts course and the first semester is required of all freshmen in the Teachers College. The first semester includes a study of the origin, growth, structure, and activities of the national government.

The second semester emphasizes state and local government including the political systems of the state, county, and locality. Tuesday and Thursday, 7:30-9:30.
PROFESSOR CRECRAFT

*263-264. **MUNICIPAL GOVERNMENT AND ADMINISTRATION.** First and second semesters. Three credit hours each semester.

This course is open to upper classmen and special students. Topics included are municipal developments, municipal powers, duties, liabilities, charters, elections, measures of popular control, and public utilities. All the administrative activities and services of the modern city are included in the second semester. Monday, 6:30-7:30. Wednesday, 7:30-9:30.
MR. HALLENBECK

*451-452. **PRINCIPLES OF ECONOMICS.** First and second semesters. Three credit hours each semester.

This course deals with the basic principles and concepts in economics; the production, consumption and distribution of wealth; introduction to labor organization, labor problems, money, credit and banking, international trade and foreign exchange, economic crises, transportation, agricultural problems, social programs, public receipts and public expenditures.

This course or its equivalent is required for entrance to other courses in economics. Monday, 6:30-7:30. Wednesday, 7:30-9:30.

ASSISTANT PROFESSOR DAVIS

PHYSICS

PROFESSOR HOUSEHOLDER

I and II. GENERAL PHYSICS. First and second semesters. Four credit hours each semester.

This course is essentially the same as Physics 331-332 in the College of Liberal Arts. A part of each period will be spent in the laboratory but the reports must be prepared outside of the laboratory period. The completion of the course will fulfill the regular minor requirements in physics for the B. S. degree and give the student a general survey of the subject. Texts: Stewart's, College Physics and Laboratory Manual for General Physics. Tuesday and Thursday, 7:30-9:30.

PROFESSOR HOUSEHOLDER

PSYCHOLOGY AND EDUCATION

DEAN BANKES

ASSISTANT SUPERINTENDENT MCELROY

PROFESSOR HAYES

ASSISTANT PROFESSOR KUHNES

MR. WATERHOUSE

MRS. MACKINNON

MISS HOOVER

MR. SMITH

MR. HAWK

MR. DILLEHAY

MR. JELLISON

MISS DUNCKLEY

Note: In addition to these courses in Psychology, Education, Art, Methods, and Teaching, all subjects listed in other departments in the courses of study (starred) will be accepted in Teachers College.

*1102 A-1102B. GENERAL PSYCHOLOGY. First and second semesters. Two credit hours each semester.

This course is designed to make psychology function in the life of all students in and after college. A comprehensive view of the facts, principles, and theories of human psychology are taken up, but with the emphasis upon how to use them. Saturday morning, 8:00-10:00.

ASSISTANT PROFESSOR KUHNES

*1103. EDUCATIONAL PSYCHOLOGY. First semester. Two credit hours.

This course is designed to make application of the general psychological principles operating in individual behavior, as applied to the teaching profession. Prerequisite course 1102. Tuesday, 7:30-9:30.

PROFESSOR HAYES

***1104. EDUCATIONAL PSYCHOLOGY.** Second semester. Two credit hours.

This course deals with the psychological processes of learning with special attention to individual differences in capacity for reaction and adjustment. Special attention is given to processes of motor activity, association and memorizing. Prerequisite course 1102. Thursday 7:30-9:30.
ASSISTANT PROFESSOR KUHNES

***1105. CHILD PSYCHOLOGY.** First semester. Two credit hours.

This course deals with the child as the product of instincts and emotions, the epochs of ontogenetic development, the origin and significance of play and other social activities.

The aim of the course is to give a psychological basis for the intelligent management of the pre-adolescent child. Saturday, 10:00-12:00.
PROFESSOR HAYES

***1107. PSYCHOLOGY OF ADOLESCENCE.** Second semester. Two credit hours.

This course deals with the physical and psychic changes which take place during the period of adolescence. The problems of sex and social behavior, juvenile delinquency, and general mental development will be considered. Current literature dealing with adolescent activities, will be assigned for report and discussion. Saturday 10:00-12:00.

PROFESSOR HAYES

***1108A. PSYCHOLOGY OF THE EXCEPTIONAL CHILD.** First semester. Two credit hours.

This course deals with the management and education of the child who deviates from the normal. Attention is given, through reports and discussions, to the problems of precocity, backwardness, feeble-mindedness, neural instability and peculiar mental defects. Wednesday, 7:30-9:30.

PROFESSOR HAYES

***1108B. PSYCHOLOGY OF THE EXCEPTIONAL CHILD.** Second semester. Two credit hours.

This course deals with methods of determining the mental status of the deviating child. Various types of mental measurements will be studied, demonstrations of the use and administration of tests will be given. Attention will be given to the use of tests as a basis for grading and classification of children. Wednesday, 7:30-9:30.

PROFESSOR HAYES

***1112. PSYCHOLOGY OF LEARNING.** Second semester. Two credit hours.

In this course, a study of the learning process will be made. Laboratory and class experiments dealing with memorizing and forgetting as applied to various types of material will be made. Special attention will be given to types of memory and learning aptitudes. Open to advanced students. Tuesday 7:30-9:30.

PROFESSOR HAYES

- *1116. ADMINISTRATION OF VOCATIONAL EDUCATION. Second semester. Two credit hours.

This is a short course intended primarily for teachers and principals interested in the organization and supervision of shop subjects. It deals with types, objectives, co-ordinating possibilities, courses of study, time schedules, records, housing, industrial connections and staff. Wednesday, 7:30-9:30. MR. WATERHOUSE

- *1130. GENERAL HISTORY OF EDUCATION. Second semester. Two credit hours:

The purpose of this course is to furnish a background for the interpretation of our present day educational problems by tracing the development of education from the ancient to the modern times.

Library readings, reports and discussions, problem solving, and personal investigations are special features of the course. Tuesday 7:30-9:30. ASSISTANT PROFESSOR KUHNES

- *1131. HISTORY OF EDUCATION IN THE UNITED STATES. First semester. Two credit hours.

The course is a study of the European background of American education, and the history of the development of the public school system as it is today. Thursday, 7:30-9:30. ASSISTANT PROFESSOR KUHNES

- *1133. AN INTRODUCTION TO EDUCATION. Second semester. Two credit hours.

This course is designed to introduce the teacher to the problems of education. It is a survey course in the field of education. Saturday morning 8:00-10:00. ASSISTANT PROFESSOR KUHNES

- *1134. TESTS AND MEASUREMENTS FOR ELEMENTARY SCHOOLS. Second semester. Two credit hours.

In this course a brief study is made of school marks as compared with the marks given as a result of standard tests.

The elements of statistical measurement are taken up. Administration and marking various types of educational tests and the possible use of such marks will receive attention. Saturday morning 10:00-12:00.

- *1137. OBJECTIVES IN ELEMENTARY EDUCATION. First semester. Two credit hours.

The policy of this course is to evaluate essentials and non-essentials in aims, motives, methods, and results of teaching in the elementary schools.

Reports and discussions, library readings, and reports from practical experience, in addition to the text, are required in the course. Saturday morning 8:00-10:00. MISS HOOVER

***1160. THE PLATOON SCHOOL.** First semester. Two credit hours.

Particular attention will be given to the platoon plans of organization, the correlation of various school subjects, the duties of different teachers, and variety of schedules as found in platoon schools. Wednesday 7:30-9:30.
DEAN BANKES

***1163. BOYS WORK.** Second semester. Two credit hours.

The problems of boyhood are studied in the light of various organizations for advancement of boy life. Programs of the school, the church, the home, Y. M. C. A., Boy Scout and other agencies, will be studied in the light of modern psychology. Experts in boys' work will be brought in for special lectures in their particular fields. Wednesday 7:30-9:30.
DEAN BANKES

***1172. PERSONAL HYGIENE.** First semester. Two credit hours.

The aim of this course is to give a scientific background for the various health activities of the school and the community. The important problem of the care of the body from both the individual and social viewpoint is carefully investigated. Thursday, 7:30-9:30.
MR. SMITH

***1351. FIRST AID AND MASSAGE.** First semester. Two credit hours.

A study is made of the principles and the practice of methods of first aid and massage. Emphasis is laid on conditions arising from injuries in connection with physical education and athletics. Tuesday 7:30-9:30.
MISS DUNCKLEY

***1174. COMMUNITY AND CIVIC IDEALS.** Second semester. Two credit hours.

This course is a study of ideals which should dominate the influence of the schools and cement the community and educational interests. A careful analysis of the relation of school subjects, extra curricular activities and school discipline to life ideals is made. Thursday, 7:30-9:30.
MR. SMITH

***1176A. THE AUDITORIUM.** First semester. Two credit hours.

This course is for teachers of the first four grades. A study is made of the different activities as found in the auditoriums of platoon schools. Comparative values of auditorium practice will feature this course. Tuesday, 7:30-9:30.
MR. DILLEHAY

***1176B. THE AUDITORIUM.** Second semester. Two credit hours.

The same plan of work is used as in 1176A except that grades five to eight receive special attention. Tuesday, 7:30-9:30. MR. DILLEHAY

- *1182. **EDUCATIONAL GUIDANCE.** First semester. Repeated second semester. Two credit hours.

This course deals with the study of conditions that have brought about the present day need for educational guidance. Studies of present and proposed practices in organizing and administering educational guidance systems in seventh and eighth grades and in high schools, with application to the needs in Akron, will receive special attention. Monday 7:30-9:30.
ASSISTANT SUPERINTENDENT MCELROY

- *1401. **HISTORY AND PHILOSOPHY OF VOCATIONAL EDUCATION.** First semester. Two credit hours.

Teaching a vocation finds the recorded beginnings in agricultural and practical arts of the early period of Egyptian history. Its various manifestations will be traced through Ancient, Medieval, and Modern History. Particular attention will be devoted to the developments in European countries that have paralleled the development in America. Wednesday 7:30-9:30.
MR. WATERHOUSE

- *1411-1412. **PSYCHOLOGY OF SHOP SUBJECTS.** First and second semester. Two credit hours each semester.

Specific problems that may be factors affecting progress in learning will be assigned and discussed. The relation of the typical factors of chronological age, of mental age, and of physique to the requirements of the various shops suggests the type of problems. Tuesday 7:30-9:30.
MR. JELLISON

SPEECH

MISS McEBRIGHT

- *ELEMENTARY COURSE. First and second semesters. Two credit hours each semester.

The fundamental principles of voice and speech are studied, including voice technique, tone placing, tone building, enunciation, physical training and action, gesture, extempore and impromptu speeches, and critiques.

The second semester personality is carefully studied and preserved, while the appearance and address is aided, in the process of development, toward the normal type of cultivated manhood and womanhood. Tuesday 7:30-9:30.
MISS McEBRIGHT

- *ADVANCED COURSE. First and second semesters. Two credit hours each semester.

Special attention is given to extempore and impromptu speeches. Literary, dramatic, and artistic interpretation, development or imagination and sympathetic insight into literature are studied.

In the second semester emphasis is laid on the study of inflection, tone, color, grouping, tempo, simplicity, responsiveness and abandon. Plays are rehearsed for reading purposes as exercises in interpretation, in dramatic delivery and in reading of lines. Thursday 7:30-9:30.
MISS McEBRIGHT

GRADUATE COURSES

DEAN BANKES
 PROFESSOR HAYES
 ASSISTANT PROFESSOR KUHNES
 MR. HAWK

- *1500-1501. SEMINAR. First and second semesters. Two credit hours each semester.

Various members of the class will present theses and special problems will be presented by persons who may be invited to present them. Monday 7:30-9:30. DEAN BANKES

- *1505. THESIS. First and second semesters. Four credit hours each semester.

This course is open to graduate students and is required of all who are candidates for the Master's degree.

Conferences by appointment are held during both semesters. In addition to the preparation of the thesis, at least two appearances before the Seminar are required. A fee of ten dollars is charged in addition to all other fees.

DEAN BANKES, PROFESSOR HAYES,
 ASSISTANT PROFESSOR KUHNES

- *1506. RESEARCH PROBLEMS. First semester. Repeated second semester. Credit by arrangement—1 or 2 hours.

This course is open to graduate students and is in addition to the thesis. Only those who have received permission from their major professor and whose problem is approved, may receive credit. A fee of five dollars is charged in addition to all other fees.

PROFESSOR HAYES, ASSISTANT PROFESSOR KUHNES

- *1523. MENTAL HYGIENE. Second semester. Two credit hours.

This course is open to graduate students and will consist of both library assignments and class recitations. The basis of the course is a study of the more efficient methods of learning from both the pedagogic and hygienic basis. Thursday 7:30-9:30. PROFESSOR HAYES

- *1526. GENETIC PSYCHOLOGY. First semester. Two credit hours.

This course is open to graduate students and others who have had sufficient preparation in psychology and biology to satisfy the instructor.

This is a basic course for those who wish to major in psychology in their graduate work. Thursday 7:30-9:30. PROFESSOR HAYES

***1527. ABNORMAL PSYCHOLOGY.** First semester. Two credit hours.

This course will consist of lectures, discussions and reports dealing with disorders of perception, association, memory, affection, volition, personality, judgment and action, with respect to their respective normal phenomena. Open to graduate students and those whose experience has fitted them for appreciative study in this field. Saturday morning, 8:00-10:00.
PROFESSOR HAYES

***1531. SOCIAL PSYCHOLOGY.** Second semester. Two credit hours.

This course is open to advanced and graduate students. The course will be given from the behavioristic viewpoint of psychology. Readings and reports from related fields of sociology and the other social sciences will be required. Saturday morning 8:00-10:00.
PROFESSOR HAYES

***1551. OBJECTIVES IN SECONDARY EDUCATION.** First semester. Two credit hours.

This course is designed to orient the thinking of students regarding the historical, national, sociological, pedagogical, and philosophical determinants of objectives in education. Saturday morning 10:00-12:00.
ASSISTANT PROFESSOR KUHNES

***1575. ANTHROPOLOGY OF THE SCHOOL CHILD.** Second semester. Two credit hours.

This course is designed to orient the thinking of the student regarding the laws of human life, and develop a method that systematizes the positive study of the child for pedagogic purposes with a view to establishing philosophic principles of education. Saturday morning 10:00-12:00.
ASSISTANT PROFESSOR KUHNES

***1562. EXTRA CURRICULAR ACTIVITIES.** Second semester. Two credit hours.

The purpose of this course is to point out the significance of extra curricular activities in the intellectual, physical, social and moral maturing of the child, and the unifying influence on education as a whole. Wednesday 7:30-9:30.
ASSISTANT PROFESSOR KUHNES

***1580. METHODS IN HIGH SCHOOL ENGLISH.** First semester. Two credit hours.

This is a course for teachers and prospective teachers of English in junior and senior high schools. The emphasis will be on the problems and methods of composition, and on the appreciation and practical uses of literature. Contact with present theory and practice will be given by lectures and assigned readings. Tuesday 7:30-9:30.
ASSISTANT PROFESSOR KUHNES

- *1578. EDUCATIONAL PHILOSOPHY. First semester. Two credit hours.

This course is designed to interpret educational problems from the standpoint of philosophy. The discussion deals with the aims and ideals that should be dominant in education, and the nature of the mind with which education has to deal. Wednesday 7:30-9:30.

ASSISTANT PROFESSOR KUHNES

- *1582. PROGRESSIVE EDUCATION. Second semester. Two credit hours.

This is a course in the improvement of instruction with the emphasis on progressive education as opposed to the old formal idea of education. Tuesday 7:30-9:30.

MR. HAWK

- *1598. TESTS AND MEASUREMENTS FOR SECONDARY SCHOOLS. First semester. Two credit hours.

This course is designed to meet the needs of high school teachers. The following topics will be considered: need for standards in grading, simple statistical methods, history of mental and educational tests, standard criteria for making and judging tests, and a careful study of the latest and most practical tests devised for use in high schools. Tuesday, 7:30-9:30.

FIRST SEMESTER SCHEDULE

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
6:30-7:30	6:30-7:30	6:30-7:30	6:30-7:30	6:30-7:30
Municipal Gov. and Administration 263 Algebra 302 Hist. of England Prin. of Econ. 451	Algebra 302	Rhetoric 51 American Lit. 75	French 153 Spanish 173 Algebra 302	Algebra 302 Industrial and Commercial Geography
7:30-9:30	7:30-9:30	7:30-9:30	7:30-9:30	7:30-9:30
Educational Guidance 1182 Elements of Art 1251 Seminar 1500	French 151 French 153 Spanish 171 Spanish 173 Elementary Speech American Government 261 Insects and Man General Physics I Business and Banking Finance Industrial and Commercial Geog. Introduction to Real Estate Practice Educational Psy- chology 1103 The Auditorium 1176A Psychology of Shop Subjects 1411 Literature for the Upper Grades 1243 First Aid and Massage 1351 Kindergarten Art 1311 Tests and Measure- ments for Secondary Schools 1598 Meth. in H. S. English 1580	Municipal Gov. and Administration 263 Principles of Economics 451 Bookkeeping and Accounting Cost Accounting Story Telling 89 Psychology of Except. Child 1108A The Platoon School 1160 History and Phil. of Vocational Education 1401 Teaching of Arithmetic 1225 Design 1252 Educational Psychology 1578 Hist. of England	French 151 Spanish 171 Adv. Story Telling III Adv. Speech American Government 261 School Health and Sanitation General Physics I Metallurgy of Iron and Steel Accounting Commercial Economics Real Estate Brokerage Foods 605 History of Education in U. S. 1131 Personal Hygiene 1172 Methods in Shop Subjects 1407 Decorative Design 1253 Genetic Psychology 1526	Rhetoric 51 American Literature 75
				SATURDAY
				8:00-10:00
				General Psychology 110 Objectives in Elem. Ed. 1137 Abnormal Psychology 1527
				10:00-12:00
				Child Psychology 1105 Objectives in Secondary Ed. 1551

EVENING SESSION

SECOND SEMESTER SCHEDULE

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
6:30-7:30	6:30-7:30	6:30-7:30	6:30-7:30	6:30-7:30
Mun. Gov. and Adm. 264 Principles of Econ. 452 Trigonometry 301	Trigonometry 301	Rhetoric 52 American Lit. 76	French 154 Spanish 174 Trigonometry 301	Trigonometry 301
7:30-9:30	7:30-9:30	7:30-9:30	7:30-9:30	7:30-9:30
Seminar 1501 Hist. of England	French 152 French 154 Spanish 172 Spanish 174 Elem. Speech Amer. Govt. 262 Insects and Man Gen. Physics II Bus. and Real Estate Law Econ. Devel. of U. S. Real Estate Finance Psych. of Learning 1112 Gen. Hist. of Edu- cation 1130 The Auditorium 1176B Psych. of Shop Subjects 1412 Kindergarten Handwork 1307 Progressive Educa- tion 1582	Mun. Gov. and Adm. 264 Prin. of Econ. 452 Bookkeeping and Accounting Cost Accounting Salesmanship Psych. of Exceptional Child 1108B Ad. of Vocational Education 1116 Boys Work 1163 Teach. of Language 1239 House Planning 1254 Extra Curricular Act. 1562 Hist. of England	French 152 Spanish 172 Adv. Story Telling IV Advanced Speech Amer. Gov. 262 School Health and Sanitation Gen. Physics II Practical Heat Treating Accounting Accounting Probs. Real Estate Trans. and Conveyance Foods 606 Educational Psy- chology 1104 Com. and Civic Ideals 1174 Meth. in Shop Sub- jects 1408 Home and School Crafts 1255 Mental Hygiene 1523	7:30-8:30 Econ. Devel. of U. S.
				7:30-9:30 Rhetoric 52 American Lit. 76
				SATURDAY
				8:00-10:00 Gen. Psychology 1102B Intro. to Educ. 1133 Social Psyc. 1531
				10:00-12:00 Psy. of Adol. 1107 Tests and Meas. of Elem. Sch. 1134 Anthro. of School Child 1575

1925 SUMMER SESSION

INTRODUCTORY STATEMENT

Educational ideals, methods of teaching, and the curriculum of the public schools have been continually modified to meet changing social and industrial conditions. Emphasis upon various subjects has changed to meet these changing conditions. The best interests of the schools require that all work in teacher training shall be of a character that will be accepted without question by the leading universities of the country. This fact is of special importance when summer school work is considered. The work done at the University of Akron is accepted by all the leading universities. The Teachers College is ranked in Class A in the American Association of Teachers Colleges. The work of the 1924 summer school met the standards of the regular courses of the institution; courses for 1925 are planned so that students of 1924 may continue the work begun. New students will find classes in practically all the departments of the institution. The two-year and three-year programs should appeal to all teachers who are not primarily interested in obtaining a degree in education. Summer school courses enable teachers to complete programs of training in a short time. All work done in the Summer Session is credited toward college degrees. College students will also have greater and better opportunities to take advanced courses in 1925. Graduate courses leading to the Master's degree in Teachers College are organized so that students may complete the work for this degree in Summer Sessions.

The State Department of Education recognizes the University of Akron as an institution for training teachers in the various departments of public school work. The completion of courses as outlined in Teachers College insures the issuance of State provisional and life certificates. The organization of Teachers College under the joint management of the Akron Board of Education and the Directors of the University has created a splendid spirit of co-operation between the University and the Public Schools.

LOCATION

The University of Akron is located thirty-five miles from Lake Erie in the heart of the Portage Lake district. Students desiring to combine opportunity for study with recreational advantages will find many lake resorts within easy reach of the University. Akron is an industrial city furnishing opportunities to students to visit large factories. The greatest rubber factories in the world are located here. Many students find opportunity to work part time in these factories.

GENERAL INFORMATION

The 1925 Summer Session of the Municipal University of Akron will open June 22 and continue until July 31. Class exercises in each subject will be held every day except Saturday. Examinations will be held at the close of the session. In art and folk games double periods are required. Algebra will recite two periods per day.

The principal object of the summer session is to furnish instruction to teachers and other persons who seek opportunities for training. Some courses are designed to meet the needs of collegiate students who wish to advance their standing or to make up deficiencies. Several courses are offered for graduate students.

CHARACTER OF INSTRUCTION

The courses maintain the standard of instruction which characterizes the work of the regular session. As far as possible the classes are taught by the members of the faculty of the University. Additional instructors are selected because of special fitness for instruction given.

SELECTION OF COURSES

Teachers who are working toward the completion of the requirements for the two-year diploma and State certificate should be careful to select their courses to this end. All other students should be certain that the courses selected fit the purpose in mind. The Director of Summer Session should be consulted if any assistance is needed. Any course not listed will be given if twenty students petition for the course.

ACADEMIC CREDIT

No student will be permitted to take courses aggregating more than six hours' credit, except by special permission. In such cases the work shall not exceed seven hours. Hours have various meanings in different institutions. In the University of Akron thirty-two semester hours constitute a year's work. Credit granted in the Summer Session will be accepted in the various colleges of the University. All courses are credited in the Teachers College. Those starred are credited in Buchtel College of Liberal Arts. All students will receive certificates indicating the amount of work satisfactorily completed.

PRACTICE TEACHING

Practice teaching may be done in the eighth grade and in high schools in the Akron city schools. Only a limited number of students may do practice teaching. The right is reserved to refuse practice teaching to those who apply after the maximum number has been reached. Those who plan to do practice teaching should notify Dean W. J. Bankes on or before June first.

TRAINING FOR PLATOON SCHOOLS

Teachers College offers special training for teachers in Platoon Schools. Some of these classes are offered in the Summer Session. Special courses for the Auditorium and Literature classes for the various grades present opportunity for those specially interested in that type of work. The course entitled "The Elementary Teacher" will be taught by Mr. Hatton, Principal of the Model Platoon School of Teachers College. He will bring his experience in Platoon School organization and direction to this course.

APPOINTMENT BUREAU

The Director of the Summer Session is Chairman of the Appointment Bureau for the University. The Summer Session students are given opportunity to enroll for appointment without extra fee. Each year a great many students of the Summer Session are placed in desirable positions.

ADMISSION AND ATTENDANCE

There are no formal examinations for admission, but students under 21 years of age must have completed a four-year high school course of study. The Summer Session will begin promptly on June 23 and carry out the schedule provided on the last page of the catalog. Registration will take place in Room 38, Buchtel Hall, June 22, from 8:00 a. m. to 5:00 p. m. Any person registering after June 22 will be charged an additional late registration fee of \$1. All late registrations must be passed upon by the Director of the Summer Session. No change of courses will be permitted without the consent of the Director. Payment of a transfer fee of \$1 will be charged. No refunds will be made after the second week. All fees, including both tuition and laboratory fees, must be paid to the Secretary of the University immediately as an item in registration. Registration and payment of fees should be made in person on June 22, or by mail in advance of the opening of the session.

ASSEMBLY

All students, unless excused by the Director, are required to be in attendance at the Assembly exercises. Not more than one absence from Assembly will be permitted in the Summer Session; otherwise deduction will be made from the number of credits earned, in accordance with the plan of the University in its regular session. Assembly exercises will be held each Thursday at the time outlined in the schedule. The programs will be made as interesting as possible. Special musical productions and other attractive features will be added to the printed program.

ASSEMBLY PROGRAM

- June 25—A diversified musical program by The Stein Quintette.
- July 2—"Teaching for Power"—Wilson Hawkins, Supt. of Schools, Canton, Ohio.
- July 9—Musical program by Mrs. T. S. Eichelberger accompanied at the piano by Mrs. Bruot.
- July 16—Story Telling program given by the Story Telling Department of the Summer School.
- July 23—Musical program given by the Public School Music Department of the Summer School.
- July 30—Program by the Department of Vocal and Dramatic Expression directed by Miss Carita McEbright.

SPECIAL FEATURE

United States Commissioner of Education, Hon. John J. Tigert, has promised to give one day, the date to be announced later. This will be a conference day for school superintendents and principals. All students will be given opportunity to hear the Commissioner in the assembly room. A special luncheon will be arranged by the faculty for that day which will be open to visitors, students and citizens of Akron. Those who desire reservation for the luncheon should notify the Director of the Summer Session. Anyone interested may make reservations.

ANNUAL PICNIC

The annual picnic will be held on the afternoon and evening of Wednesday, July 15th. This is the big outing of the Summer Session. The place and details will be announced in Assembly.

ART EXHIBIT

The Art Department of the Summer Session will exhibit the work done by students on Tuesday, July 28, in the Women's League Room of the Library Building. Students and citizens will find this exhibit interesting.

SILENT READING INSTRUCTION

Miss Rose Link, specialist in silent reading instruction, will be present during the week of July 6 to July 10, for conferences with those who desire special direction in the teaching of silent reading. No additional fee will be charged for this instruction.

EXPENSES

A maintenance fee of \$4 per semester hour will be charged all students. Each course carries a statement of semester hours so that it is easy for any student to determine the cost of the course. Attention is called to the late registration fee and additional laboratory fees as explained in the description of the courses.

BOARD AND LODGING

The Director of the Summer Session has on file addresses of those who rent rooms with or without meals. These addresses will be furnished students upon request.

UNIVERSITY BOOK STORE

All texts used in the various classes will be on sale at the University book store.

PROGRAMS OF STUDY

Teachers who are planning the completion of regular two year courses for the diploma and State certificate may complete this work in Summer Sessions at the University of Akron and in addition receive college credit toward the degree if they care to continue college work. The Teachers College bulletin outlining courses leading to degrees may be had upon request. Many subjects taught in the Summer Session are also credited toward degrees in the other colleges of the University. For any further information, address W. J. Bankes, Director of the Summer Session.

COURSES OF INSTRUCTION

The general system of numbering and arrangement is according to the following groups:

Psychology and Education.....	1101-1200
Methods and Teaching.....	1201-1250
Art	1251-1260
Physical Education	1351-1400
Graduate Courses	1500-1600

Other subjects are numbered as in the General Catalog.

 PSYCHOLOGY AND EDUCATION

1103. EDUCATIONAL PSYCHOLOGY. Two credit hours.

This course is designed to make application of the general psychological principles operating in individual behavior, as applied to the teaching profession. PROFESSOR KUHNES

1108A. PSYCHOLOGY OF THE EXCEPTIONAL CHILD. Two credit hours.

This course deals with the management and education of the child who deviates from the normal. Attention is given through reports and discussions, to the problems of precocity, backwardness, feeble-mindedness, neural instability and peculiar mental defects. PROFESSOR HAYES

1130. GENERAL HISTORY OF EDUCATION. Two credit hours.

The purpose of this course is to furnish a background for the interpretation of our present day educational problems by tracing the development of education from the ancient to the modern times.

Library readings, reports and discussions, problem solving, and personal investigations are special features of the course. MR. CHENOT

1131. HISTORY OF EDUCATION IN THE UNITED STATES. Two credit hours.

The course is a study of the European background of American education, and the history of the development of the public school system as it is today. MR. HATTON

1176. THE AUDITORIUM. Two credit hours.

A study of the different activities as found in the auditoriums of Platoon Schools; organization of course of study for the auditorium; and discussion of comparative values of auditorium practice. MR. DILLEHAY

1134. **TESTS AND MEASUREMENTS FOR ELEMENTARY SCHOOLS.** Two credit hours.

In this course a brief study is made of school marks as compared with the marks given as a result of standard tests.

The elements of statistical measurement are taken up. Administration and marking various types of educational tests and the possible use of such marks will receive attention. **MR. BATES**

1180. **EDUCATIONAL SOCIOLOGY.** Two credit hours.

This course deals with the application of sociological principles to teaching and practical discussion of dealing with parents and pupils in the light of sociological conditions. Various organizations of the community are considered in their relations to educational advancement.

MR. CLOSE

1182. **EDUCATIONAL GUIDANCE.** Two credit hours.

This course deals with the study of conditions that have brought about the present day need for educational guidance. Studies of present and proposed practices in organizing and administering educational guidance systems in seventh and eighth grades and in high schools, with application to the needs in Akron, will receive special attention. **MR. MCELROY**

1241. **SCHOOL MANAGEMENT.** Two credit hours.

This course is designed for elementary teachers. Class room management and general problems of school management will be discussed.

MR. FLICKINGER

1192. **THE ELEMENTARY TEACHER.** Two credit hours.

In general the course will cover the problems of educational aims and their relation to curriculum making as it affects the teacher. The course will deal with the present practices and tendencies in teaching the various school subjects, both as to content and methods. Attention will be given to time allotments, school and classroom organization for taking account of individual differences, supervised study, socialized recitation, project method, and measuring the results of teaching. Various types of elementary school organization will be studied, emphasizing the teacher in the platoon school.

MR. HATTON

METHODS AND TEACHING

1210. **PRINCIPLES OF TEACHING.** Three credit hours.

This is a discussion of the principles of educational practice and evaluation of the various principles in the light of educational psychology. The aim of the course is to help the teacher deduce educational principles in school management and instruction. The class will recite two periods per day the last three weeks so that the three hours' credit may be given to satisfy the State requirements for certification. **DEAN BANKES**

1213. PRACTICE TEACHING.

Akron city schools will be in session so that teachers needing practice teaching to meet the State requirements may have opportunity to do this work. The credit earned will depend upon the amount of time spent in teaching. State standards will be used to determine the credit earned. Those desiring to do practice teaching should notify Dean Bankes not later than June 1.

1218. GENERAL PRIMARY METHODS. Two credit hours.

This is a course in the general methods pertaining to the work of the primary teacher. It includes a study of materials for construction work, methods and devices for use in the primary grades and the application of psychological principles to primary education. MISS GRUBER

1225. THE TEACHING OF ARITHMETIC. Two credit hours.

This course emphasizes the changes in modern texts, and aims to show the present day methods in teaching arithmetic, and to apply these methods in the solution of practical problems. MR. CLOSE

1223. THE TEACHING OF GEOGRAPHY. Two credit hours.

The problem and project method will be used throughout the course to develop subject matter. Special reports, observation trips, practical demonstrations of methods, and library readings are requisites for credit work. MISS HOOVER

1237. METHODS IN READING. Two credit hours.

Careful attention to the various basic principles underlying the different methods, with particular attention to the Aldine method. Intended primarily for teachers of the first three grades. MISS GRUBER

1239. THE TEACHING OF LANGUAGE. Two credit hours.

The teaching of language emphasizes oral composition, vocabulary building, sentence structure, and the use of correct language forms. The course further aims to teach the essential elements in all language teaching. MISS HOOVER

1240. THE TEACHING OF HISTORY. Two credit hours.

The purpose of this course is to emphasize types of teaching through the use of large units of subject matter rather than through following the chronological order of the text. MR. CHENOT

1243. LITERATURE FOR THE UPPER GRADES. Two credit hours.

The teaching of literature will be approached through the appreciation lesson. The aim of the course is to awaken an interest in grade literature and to show the possibilities for self-expression through a knowledge of poetry, story, biography, and fiction. MISS HOOVER

1244. LITERATURE FOR THE PRIMARY GRADES. Two credit hours.

This course will familiarize teachers with some of the best story books, poems, picture studies and stories as projected in the platoon or old type school. MRS. MACKINNON

ENGLISH

51. FRESHMAN ENGLISH. Two credit hours.

This course is designed for elementary instruction in English composition. Students are given practice in expressing their own ideas clearly, correctly, concisely, and concretely. Attention is devoted particularly to sentence and to paragraph structure. The students write short expository compositions. MR. NEWLIN

52. FRESHMAN ENGLISH. Two credit hours.

This course is designed with the same purpose as 51, of which it is a continuation. Attention, however, is given to description, characterization, and narration. The students write compositions that build up a final, long narrative work. Prerequisite, 51. MR. NEWLIN

58. JOURNALISM. Two credit hours.

This course, offered last summer for the first time, includes a study of the construction and style of news stories, editorials, and feature articles, and a practical application of rules studied. Students will write and edit a summer session newspaper. Local journalists will address the class. Trips will be made through newspaper plants. The objective of the course is a better understanding of the writing and editing of a newspaper. MR. VANCE

69. SHAKESPERE. Two credit hours.

The purpose of this course is two-fold: (1) to acquaint the student with Shakespere's development as a dramatist, and his place in the Elizabethan Age and in English literature; (2) to make known to him the great dramatist's best work so that he will not only enjoy the plays read in this course, but will also do further reading in Shakespere, and return again and again to the reading in after years with ever keener delight. Fifteen or more of the best plays are read. DEAN SPANTON

73. TENNYSON AND BROWNING. Two credit hours.

The reading and study, so far as the limited time will permit, of the best work of these two poets. Considerable outside reading in constructive criticism of the poems read is required. The aim of the course is to help the student to read both Tennyson and Browning more intelligently and with greater pleasure and profit, and especially to show him wherein lie the permanent significance and power of the work of these two greatest English poets of the Victorian Age.

DEAN SPANTON

89. STORY TELLING. Two credit hours.

The course includes the history and types of stories for telling, and the adaptation of the written classics for oral presentation. The requirements are: The telling of one three-minute story, one five-minute story, one classic adapted to ten minutes; the writing of one original story, the invention of an original story from a picture, comparisons between the old and modern stories, and dramatization of stories; other stories, talks and discussion as the work demands.

MRS. MACKINNON

19. LEGENDS, FOLKLORE AND MYTHS OF THE ANCIENT PEOPLES.
Two credit hours.

Legends of the Egyptians, Babylonians and the Germanic peoples will be taken up first, but the chief emphasis will be placed on the myths of the Greeks and the many references made to them in English literature. The legends of the different Greek cities will be studied and their relation to the great tragedies, (of the Greeks). Many of the stories will be illustrated.

PROFESSOR ROCKWELL

SOCIOLOGY

213A. GENERAL SOCIOLOGY. Two credit hours.

Nature of society. Nature and scope of sociology. Purposes and methods. The evolution of social forms and activities, giving attention to the organization and life of the family, the development and functions of the state, the social phases of industry, the evolution of ethics and religion. The socialization of mankind, with a study of social forces, and laws, and the methods of social control.

PROFESSOR OLIN

213B. GENERAL SOCIOLOGY. Two credit hours.

Textbook, and discussions covering social origins, social processes, social forces, social control, social progress and social laws, social ideals, social pathology, poverty, crime and degeneration. Problems of social administration, including methods of investigation and research. Prerequisite, 213A.

PROFESSOR OLIN

MATHEMATICS

302. ALGEBRA. Four credit hours. Two periods each day.

The following topics are studied: A review of elementary algebra; surds; linear and non-linear equations; proportion and variation; progressions; mathematical induction and binomial theorem; permutations and combinations.

PROFESSOR JONES

ART

1251. ELEMENTS OF ART. Two credit hours. Two periods each day.

The elementary principles of design, color, lettering, composition and handling of different mediums are studied. Prerequisite for work in all advanced courses.

MRS. BARNHARDT

1255. HOME AND SCHOOL CRAFTS. Two credit hours. Two periods each day.

Applied design; stenciling, block printing, batik, applique, embroidery, tooled and dyed leather, color cement, parchment shades, enamel, gesso, basketry, book binding, and toy making, are included in this course. Two semesters of art are a prerequisite for this course.

MRS. BARNHARDT

POLITICAL SCIENCE

251. OHIO STATE GOVERNMENT. Two credit hours.

This course is an exposition of the government of Ohio. It deals with the origin, growth, structure, and activities of the state. It is for the purpose of acquainting students with their state government.

MR. HALLENBECK

258. WORLD POLITICS. Two credit hours.

This is a course which traces the development of the foreign policies of the great powers. The growth of conflicting policies, the means of reconciling same, and the international machinery for adjusting international differences, are among the topics included.

MR. HALLENBECK

266. MODERN EUROPEAN GOVERNMENTS. Two credit hours.

This course is to acquaint students with the political systems of the leading European countries. Attention is paid to political parties in each country. Comparisons are made between American and European political problems.

MR. HALLENBECK

NOTE: The department will credit work done in the summer session as follows: Any student may complete two, four, or six hours toward his minor or major requirements in political science. Any student may complete four hours credit in his freshman requirements in political science by taking courses 266 and 251. Any student may credit the Ohio State Government course as two hours toward his freshman requirements in political science.

PHYSICAL EDUCATION AND HYGIENE

1172. PERSONAL HYGIENE. Two credit hours.

The aim of this course is to give a scientific background for the various health activities of the school and the community. The important problem of the care of the body from both the individual and the social viewpoint is carefully investigated.

MR. SMITH

1351. FIRST AID. Two credit hours.

A study is made of the principles and the practice of methods of first aid. Emphasis is laid on conditions arising from injuries in connection with physical education and athletics.

MR. SMITH

1352. FOLK GAMES AND DANCES. Two credit hours. Two periods each day.

One hour lectures are given once each week on the characteristics and customs of various countries. Typical folk games and dances are given as practical work during the balance of the required time.

MISS DUNCKLEY

PUBLIC SCHOOL MUSIC

1231. ELEMENTARY THEORY. Two credit hours.

This course includes a study of the rudiments of music including the staff, clefs, key signature, measure signatures, note values, Latin syllables and their use in sight reading in the work of the primary grades. In this course, the student gains the power to think tones, sense rhythms, and learns to recognize and write simple melodic phrases in all keys.

MISS DACKERMAN

1232A. PUBLIC SCHOOL MUSIC. Two credit hours.

This course is devoted to the study and demonstration of materials and methods for kindergarten and the first four years in music. Special attention is given to the presentation of the different tonal and rhythmic problems as they are taken up in the successive years. Prerequisite, Elementary Theory 1231, or the ability to sing, at sight, material suitable for the third grade.

MISS DACKERMAN

1232B. PUBLIC SCHOOL MUSIC. Two credit hours.

This course is devoted to the teaching of music in the upper grades, from the fifth to the eighth inclusive. The work of each year is taken up in detail, and the problems which confront the grade teacher are carefully considered. Prerequisite, Elementary Theory 1231. MISS DACKERMAN

SPEECH

91. INTERPRETATION, AND READING REHEARSALS. Two credit hours.

Vocal expression follows the preliminary practice in Voice and Speech training. Inflection, tone color, grouping, tempo, etc., as means of vocal expression, and as modes of expression, simplicity, responsiveness, abandon, etc., are carefully studied. Plays are rehearsed for reading purposes as exercises in dramatic delivery and reading of lines. MISS MCEBRIGHT

97. VOICE AND SPEECH. Two credit hours.

Physical exercises for normal carriage and gestures. Personality is carefully studied and preserved, while the appearance and address are aided in the process of development toward the normal type of cultivated manhood and womanhood. MISS MCEBRIGHT

NOTE: Students desiring private lessons may secure them of Miss McEbright.

GRADUATE COURSES

Undergraduates may be admitted to these courses only by permission of the Instructor and Director of Summer Session. Graduate students, who desire it, may make special arrangements with the Director and major professor for selection and study of thesis problems.

1503. CURRENT EDUCATIONAL THOUGHT. Two credit hours.

The purpose of this course is to analyze critically the new books on educational philosophy, theory and practice. The aim will be to familiarize the student with current educational thought as expressed in the newest books and magazines. ASSISTANT PROFESSOR KUHNES

1551. OBJECTIVES IN SECONDARY EDUCATION. First semester. Two credit hours.

This course is designed to orient the thinking of students regarding the historical, national, sociological, biological, psychological, pedagogical, and philosophical determinants of objectives in education.

ASSISTANT PROFESSOR KUHNES

1598. TESTS AND MEASUREMENTS FOR SECONDARY SCHOOLS. Two credit hours.

This course is designed to meet the needs of high school teachers. The following topics will be considered; need for standards in grading, simple statistical methods, history of mental and educational tests, standard criteria for making and judging tests, and a careful study of the latest and most practical tests devised for use in high school. MR. BATES

1527. ABNORMAL PSYCHOLOGY. Two credit hours.

The course will consist of lectures, discussions and reports dealing with disorders of perception, association, memory, affection, volition, personality, judgment and action, with respect to their respective normal phenomena. Open to graduate students and those whose experience has fitted them for appreciative study in the field. PROFESSOR HAYES

1545. THE PSYCHOLOGY OF HIGH SCHOOL SUBJECTS. Two credit hours.

This course will deal with the psychology of the learning process as applied to the various high school subjects. The literature in the field of measures of learning will be investigated. A limited amount of experimentation in the field of individual differences in the learning rate and the ability to retain will be carried on. PROFESSOR HAYES

1585. ADMINISTRATION OF SECONDARY SCHOOLS. Two credit hours.

This course will cover the organization and administration of the high school as a distinct unit and its various relations to larger units of the school system in which it is located.

Included will be such administration problems as high school organization, attendance, daily schedule, measuring results, class supervision, extra curricular activities and the teaching corps. MR. FLOOD

1590. THE MANAGEMENT OF AN ELEMENTARY SCHOOL. Two credit hours.

A course of special training in the technique of the principalship. Problems of the principal and his assistants in organizing, directing and supervising the activities of pupils in elementary schools. This course is intended for superintendents, principals, and general supervisors in elementary schools and for those who are looking forward to these positions. MR. MCELROY

1596. PRINCIPLES OF TEACHING IN SECONDARY SCHOOLS. Two credit hours.

The purpose of this course is to familiarize the teacher with principles upon which methods in secondary instruction must be based. The principles of learning, aims of instruction and the different recitation modes will be considered. MR. FLOOD

SCHEDULE

All courses are credited in Teachers College. Those starred receive credit in the Liberal Arts College.

7:15 a. m. to 8:15 a. m.—*History of Education in the United States, B-32; The Teaching of Arithmetic, B-22; *Story Telling, K-36; The Management of an Elementary School, B-38; *Home and School Crafts, C-15; *Abnormal Psychology, B-26; *Modern European Governments, B-25; Folk Games, Gymnasium.

8:25 a. m. to 9:25 a. m.—Principles of Teaching, B-37; The Teaching of Geography, B-25; *Objectives in Secondary Education, K-22; *General History of Education, B-22; General Primary Methods, B-32; *English 51, B-15; *Home and School Crafts, C-15; Elementary Theory of Music, B-13; *Psychology of the Exceptional Child, K-36; *General Sociology, (b) B-26; *Algebra, B-38; Folk Games, Gymnasium; Educational Guidance, B-11.

9:35 a. m. to 10:35 a. m.—Methods in Reading, B-22; Literature for Upper Grades, B-15; *English 52, B-37; Public School Music (Primary Grades), B-13; First Aid, B-11; *Tennyson and Browning, B-38; *World Politics, B-25; *Psychology of High School Subjects, K-36; *Tests and Measurements (Elementary Schools), B-26; *Myths, Legends, and Folklore, B-32; School Management, K-22.

10:45 a. m. to 11:45 a. m.—*Educational Psychology, B-37; *Journalism, B-32; *General Sociology (a), B-26; Public School Music (Upper Grades), B-13; *Voice and Speech, K-36; *Personal Hygiene, B-11; *Algebra, B-38; *Administration of Secondary Schools, B-15; Principles of Teaching, (Last three weeks), B-25; The Elementary Teacher, B-22; *Applied Educational Sociology, K-22.

1:00 p. m. to 2:00 p. m.—*Art 1251, C-15; The Teaching of Language, B-15; *Tests and measurements for Secondary Schools, B-25; Principles of Teaching in Secondary Schools, B-38; *Shakespeare B-22; Literature for Primary Grades, B-26.

2:10 p. m. to 3:10 p. m.—*Ohio State Government, B-25; The Auditorium, B-22; *Interpretation and Reading, K-36; The Teaching of History, B-38; *Current Educational Thought, B-32; *Art 1251, C-15.

NOTE: B refers to Buchtel Hall; C to Curtis Cottage; and K to Knight Chemical Laboratory building. The number after each subject indicates room where classes will recite.

Students taking Algebra, Folk Games, or Art must take two periods each day.

Assembly exercises will be held each week on Thursday from 10:00 to 11:00 o'clock a. m. Class periods on Thursday morning will be as follows:

7:00 to 7:55	9:00 to 9:55
8:00 to 8:55	11:05 to 12:00

Class exercises in each subject will be held each week day except Saturday. Summer Session begins Tuesday, June 23, Registration, Monday, June 22.

UNIVERSITY DEPARTMENTS

PHYSICAL EDUCATION

MR. SEFTON, *Director*
MR. COLEMAN
MR. SMITH
MR. RICKER
MISS DUNCKLEY

AIMS

Physical education is conducted under the direct supervision of experienced physical directors, who are members of the University faculty.

The aims of the department are to develop organic power, the basis of vitality, the prerequisite to physical and mental efficiency; to secure and maintain good posture, a harmonious muscular development, and a certain degree of bodily skill and grace.

A thorough physical and medical examination is given, and measurements taken, of all students entering the University. Physical defects, abnormalities, and weaknesses are noted, and healthful exercise is prescribed to fit the student's individual needs; this may include athletic sports or remedial gymnastics.

During the fall and spring months there are outdoor exercises and games at Buchtel Field. During the winter months the time is given up to boxing, wrestling, basketball, apparatus work, wand, dumb-bell and swinging club drills.

These exercises are designed to bring about the erect carriage of the body, the development and strengthening of the muscular, circulatory and respiratory systems, and the maintenance of general good health and bodily vigor.

TRAINING COURSE

A course for training teachers in physical education and for preparation for coaching is given in conjunction with Teachers College. For details see statement under Teachers College.

EQUIPMENT

The gymnasium is 100 feet long and 50 feet wide. On the ground floor are locker rooms and bath rooms. Above is the practice floor where exercises are conducted. Directly over the practice floor is the running

track. The main floor of the gymnasium is 80 feet by 50 feet and is equipped with modern gymnastic apparatus.

A six-acre athletic field is provided for the use of the students, and all intercollegiate and other games and meets are held there. The field is equipped with a grandstand which accommodates 8,000 spectators, dressing rooms, cinder running track, baseball diamond, and football field.

PHYSICAL TRAINING FOR MEN

Every student is required to take a physical examination on entering the University. All freshman and sophomore men are required to take two hours of physical training each week as a part of the combined course in military and physical training. In addition, all candidates for the A. B. degree must take the course in Human Biology 413-414, two hours a week for a year, unless they elect Physiology 407-408.

INTERCOLLEGIATE SPORTS

Intercollegiate sports are under the government of the Ohio Athletic Conference, the faculty committee appointed by the president, and a Board of Control consisting of members from the faculty and representatives of the student body elected by the students.

PHYSICAL TRAINING FOR WOMEN

All freshman women are required to take two hours of physical training each week. In addition, all candidates for the A. B. degree must take the course in Human Biology 415-416, two hours a week for a year, unless they elect Physiology 409-410.

MILITARY SCIENCE AND TACTICS RESERVE OFFICERS' TRAINING CORPS

CAPTAIN WM. L. TYDINGS, PROFESSOR

FIRST LIEUTENANT MERL L. BRODERICK, ASSISTANT PROFESSOR

FIRST LIEUTENANT REXFORD SHORES, ASSISTANT PROFESSOR

MASTER SERGEANT HENRY METZGER, INSTRUCTOR

In 1919 the U. S. Government established at the University of Akron a unit of the Reserve Officers' Training Corps. This unit is of the same sort as those established at practically all of the large universities and colleges throughout the country. These units were established with the idea of producing trained men for the Officers' Reserve Corps. The instruction is divided into two parts: the basic course of the first two years, compulsory for all freshman and sophomore men who are physically fit; and the advanced course of the last two years, elective for the men who have completed the basic course satisfactorily.

BASIC COURSE

All freshman men not physically disqualified must take this course, unless they have been in the federal service more than one year, or are not citizens of the United States. The work is given three hours per week for the first two years. In addition, all men of the basic course are required to take two hours' physical training each week under the direction of the Physical Director. Two hours' credit is given each semester for this combined course of military drill and physical training.

Men entering the College of Liberal Arts of the University of Akron with advanced credit from other institutions are not required to take military and physical training if they have been two years in attendance at another institution of collegiate grade, or if they present 48 hours of college credits.

During this basic course no compensation is paid the student by the war department, but uniforms and equipment are issued for his use. Each student is held responsible for loss or damage to government property issued to him. Uniforms must be turned in at the completion of each year, or at the time of leaving school; they are replaced at the beginning of the next school year.

Students entering this institution from other colleges or universities and claiming credit for previous military instruction, will confer with the military department at the beginning of the term and ascertain the amount of credit which can be given them on account of such previous military instruction. This will enable such new students to arrange their programs promptly and satisfactorily.

BASIC COURSE, 3 HOURS, FRESHMAN YEAR

Subject	Theoretical Hours	Practical Hours
Military Courtesy	3	
Command and Leadership	30	34
Rifle Marksmanship	5	10
Physical Training		6
Military Hygiene and First Aid.....	6	2
Total hours per school year.....	44	52.....96

BASIC COURSE, 3 HOURS, SOPHOMORE YEAR

Subject	Theoretical Hours	Practical Hours
Scouting and Patrolling	4	8
Automatic Rifle	4	8
Musketry	4	6
Command and Leadership	20	38
Interior Guard Duty	2	2
Total hours per school year.....	34	62.....96

ADVANCED COURSE

This course consists of five hours per week (three hours' credit per semester) during the junior and senior years. It is open to all students who have satisfactorily completed the basic course, provided they have been selected by the President of the University and the Professor of Military Science and Tactics. A deposit of \$10.00 is required, which is returned to the student upon surrender of his uniform, if he has completed the academic year. During this course the Government not only furnishes uniform and equipment, but also allows commutation of subsistence, which varies from time to time, at present being \$10 per month. Attendance at one summer camp of not more than six weeks' duration is required; for this attendance pay at the rate of \$0.70 a day is allowed. On the satisfactory completion of the advanced course, the student is commissioned in the Army of the United States as a second lieutenant. Promotions are made as in the regular army.

ADVANCED COURSE, 5 HOURS, JUNIOR YEAR

Subject	Theoretical Hours	Practical Hours
Browning Machine Gun	18	38
Field Engineering	8	4
Military Law }	12	4
Rules of Land Warfare }		
Command and Leadership	18	34
Military Sketching	10	14
Total hours per school year.....	66	94.....160

ADVANCED COURSE, 5 HOURS, SENIOR YEAR

Subject	Theoretical Hours	Practical Hours
Military History and National Defense Act.....	20	
Administration	2	6
Combat Principles	21	31
Command and Leadership	18	34
Howitzer Company Weapons	14	14
Total hours per school year.....	75	85.....160

Prerequisites for the advanced course are successful completion of the basic course, and selection by the President of the University and the Professor of Military Science and Tactics.

Either basic or advanced course, once entered upon, must be completed as a prerequisite for graduation.

Instruction consists of theoretical classroom work with proper preparation of subjects for recitations, and practical work either indoors or out, putting into execution the lessons learned in the classroom. The facilities of the basic as well as of the advanced course should be utilized to the fullest extent, so that our Reserve Corps of officers may be strengthened by trained college graduates.

SUMMER CAMPS

A summer camp is held each year for the benefit of those students who desire to attend. One camp of six weeks' duration is required of all members of the advanced course. Attendance at the summer camp is not compulsory for students taking the basic course; but to those who attend, the Government pays mileage from their homes to the camp and return, at the rate of five cents per mile. All clothing, equipment, and subsistence is furnished at the camp at no expense to the student. Athletics, hops, and other forms of social amusement play a part in the camps, as well as shooting on the rifle range, troop maneuvers, etc. Those desiring to attend should signify their intention at the completion of the first semester so that proper arrangements can be made for them at the camp.

MUSIC

FRANCESCO B. DE LEONE, *Director*

The work in music is open to election by members of all college classes. It includes (a) a recitation course in the study of music, meeting twice a week through the year, and (b) participation in Glee Club, Band or Orchestra, two hours each week. Three hours' credit each semester is given for this combined course.

Students may take Band without taking The Study of Music, but ordinarily they must take both The Study of Music and either Glee Club or Orchestra in order to receive any credit. However, the following exceptions are made:

1. Special students may be admitted to the study of music, their participation in Glee Club, Band or Orchestra to be left to the discretion of the instructor, but in all such cases the regular requirements for college entrance must be satisfied.
2. Students may elect Glee Club or Orchestra alone without credit, but are subject to exclusion from further participation if absent more than twice in any semester.
3. If a student in the study of music is debarred from Glee Club or Orchestra by the instructor, he shall receive two hours' credit per semester.
4. Students who already have received credit for the study of music shall receive one hour's credit per semester for Glee Club or Orchestra.

In no case shall the total credit for music exceed ten semester hours.

All students desiring to participate in the classroom work in music, or in Orchestra, Band or Glee Club, must arrange for it on registration days as part of their regular assignment of work for the semester.

THE STUDY OF MUSIC. First and second semesters.

Two hours' credit each semester if taken in connection with Glee Club, Band or Orchestra. Students are not allowed to enter this course in the middle of the year.

This course is carried on as classroom work and is chosen from the following subjects: rudiments, theory of music and elementary harmony, thorough bass, ear training, first year history of music, biographical history of music, musical appreciation, study of operas, etc.

MEN'S GLEE CLUB. First and second semesters.

WOMEN'S GLEE CLUB. First and second semesters.

ORCHESTRA. First and second semesters.

BAND. First and second semesters.

FRESHMAN LECTURES

At intervals, during the first semester, all freshmen except those in the College of Engineering and Commerce, are required to attend lectures given by faculty members on the following topics: Rules and Regulations, Our Traditions and Customs, The Privilege and Responsibility of Being a College Student, How to Use the Library.

THE UNIVERSITY LECTURES

The Municipal University desires to offer to the people of the city the opportunity annually of hearing, free of charge, certain talks and lectures by members of the University faculty—not in the class room, nor even in the college buildings, but rather at such times and places as may be best suited to the needs of the citizens. This plan has been adopted in response to numerous calls received for lectures on various subjects, and represents an effort on the part of the University to serve the community to the best advantage by systematizing the work thus offered.

The conditions for giving the lectures are as follows:

1. The lectures are to be given at dates to be mutually agreed upon with the Chairman of the Lecture Committee.
2. The Chairman of the Lecture Committee must be notified by the organization at least two weeks before the time of giving the lecture.
3. The organization requesting the lectures shall provide a suitable place for holding them and no admission fee shall be charged.

All requests for these lectures should be addressed to Dr. J. C. Rockwell, Chairman of the University Lecture Committee, Municipal University of Akron.

COMBINATION COURSES*

1. AT THE UNIVERSITY OF AKRON

THE ARTS-HOME ECONOMICS COMBINATION COURSE

A combination may be made between the Arts and Home Economics courses by which degrees may be obtained from both schools in a minimum period of five years. This may best be accomplished by spending four years in the Curtis School of Home Economics and an additional year in the College of Liberal Arts. If such combination course be desired the elective work in the fourth year must be shaped toward the fulfillment of the major and minor requirements in the College of Liberal Arts.

An arrangement is also possible by which the student may spend three years in the College of Liberal Arts and two years in the Curtis School of Home Economics, receiving both degrees. Those planning this combination should consult the Classification Committee at the beginning of the sophomore year in order that the subjects to be taken may be definitely determined, according to the major subject chosen.

By means of a five-year combination course, degrees may be gained from both the School of Home Economics and the Teachers College.

THE ARTS-TEACHERS COMBINATION COURSE

A combination may be made between the Arts and Teachers courses for those expecting to teach. The student who plans for this combination should spend three years in the College of Liberal Arts and two years in Teachers College. The classification committee will outline with the student the subjects to be taken so as to fit the courses for both degrees. Students planning to teach in Akron should consult the Dean of Teachers College when deciding upon the major, so as to prepare for work in departments needing teachers. All students preparing to do high-school teaching in Akron must complete at least five years of college work.

*No student will be recommended for a combination course with any other institution unless his average grade for his three years' work in the University of Akron is at least 85%.

2. WITH OHIO STATE UNIVERSITY

By special arrangement concluded with the Ohio State University, the University of Akron is enabled to offer combination courses with certain professional schools of the State University. By means of such a course, the student is enabled to shorten by one year the six to eight year period otherwise necessary for the acquirement of both college and professional degrees and training. Generally speaking, the plan contemplates an attendance of three years at the University of Akron with an additional two or three years (depending on the subject chosen) at the State University. During the fourth year of his course (i. e., the first year at Ohio State University) the student is counted as a senior in absentia by the University of Akron and at the end of this year returns to receive his Bachelor's degree with his class.

The following combinations have been arranged:

THE ARTS-LAW COMBINATION COURSE

This course comprises a total of six years, three years at the Municipal University of Akron and three years at the Law School of the Ohio State University. At the end of four years the Bachelor's degree is conferred by the University of Akron for the satisfactory completion of 128 term hours of work. At the end of six years the student may become a candidate for the degree of Bachelor of Laws at the Ohio State University.

Requirements in Buchtel College of Liberal Arts

1. No student is eligible for the combined Arts-Law Course who has not been a resident student at the University of Akron for at least three years and who has not gained at least 96 term hours' credit in the University. In order to receive the Bachelor's degree from the University of Akron at the end of the fourth year, the student must complete 101 term hours of work before entering the Ohio State University.
2. No student shall be eligible for a degree from the University of Akron in the combined Arts-Law Course who has not received sufficient credit at Ohio State University to complete a total of 128 term hours of work.
3. A major, if chosen in Buchtel College of Liberal Arts, must lead to the degree of Bachelor of Arts.
4. All of the major and minor requirements in the course chosen must be completed at the University of Akron.

THE ARTS-AGRICULTURE COMBINATION COURSE

Total time required, five years, three of which are to be spent at the University of Akron and two at the Ohio State University. At the end of four years' time, the degree of Bachelor of Science will be conferred by the University of Akron and at the end of five years the degree of Bachelor of Science in Agriculture by the Ohio State University.

General Requirements in Buchtel College of Liberal Arts

1. To be eligible for the combined Arts-Agriculture Course a student must be a resident student at the University of Akron for at least three years, and must gain at least 96 term hours' credit including all major and minor requirements for a B. S. major.

2. No student shall be eligible for a degree from the University of Akron in the combined Arts-Agriculture Course who has not received sufficient credit at the Ohio State University to complete a total of 128 term hours of work.

3. Students intending to complete the combined Arts-Agriculture Course must plan their three years of work in Buchtel College with the classification committee at the beginning of the freshman year.

Two Years at Ohio State University

A student must complete 45 quarter hours of work during each of the two years at Ohio State University. This time is to be devoted entirely to agricultural subjects and must include at least one quarter's work in agricultural chemistry, agricultural engineering, animal husbandry, dairying, entomology, farm crops, horticulture, poultry husbandry, rural economics and soils. He must also select a major subject in which he takes four consecutive quarters of work. In addition he will select sufficient agricultural work to complete at least 90 quarter hours.

3. WITH WESTERN RESERVE UNIVERSITY

THE ARTS-LAW COMBINATION COURSE

A six-year combination course similar to the Arts-Law combination course with Ohio State University previously described.

THE ARTS-MEDICINE COMBINATION COURSE*

By arrangement concluded on February 2, 1914, a combination course has been established between the University of Akron and Western Reserve Medical School. Admission to the School of Medicine is not guaranteed to all applicants, since only a limited number can be accommodated. Application about April 1, for the following academic year is desirable.

The completion of this course requires seven years, the first three of which are to be spent at the University of Akron and the last four at Western Reserve University. At the end of four years, the degree of Bachelor of Science will be conferred by the University of Akron; at the end of seven years the degree of Doctor of Medicine will be given by Western Reserve University.

*This course is here detailed as typical of a combination possible with the large majority of medical schools.

COMBINATION COURSES

General Requirements in Buchtel College of Liberal Arts

1. No student is eligible for the combined Arts-Medicine Course who has not been a resident student at the University of Akron for at least three years and who has not gained at least 96 term hours' credit in Buchtel College.

2. No student shall be eligible for a degree from Buchtel College of Liberal Arts in the combined Arts-Medicine Course who has not received sufficient credit at the Western Reserve University to complete a total of 128 term hours of work.

Subject Requirements in Buchtel College of Liberal Arts

1. A major must be chosen in Buchtel College leading to the degree of Bachelor of Science.

2. All of the major and minor requirements in the course chosen must be completed at the University of Akron.

The following are requirements of subjects to be taken at Buchtel College necessary for entrance to the medical school:

Chemistry: The equivalent of at least one and a half years of college work of a value of not less than 12 credit hours, of which at least 4 credit hours must be organic chemistry. The 12 credit hours must include at least 5 credit hours of laboratory work of which 1 hour must be organic chemistry.

Physics: The equivalent of at least one year of collegiate work of a value of not less than 8 credit hours, of which at least 2 credit hours shall be laboratory.

Biology, Zoology and Botany: The equivalent of at least one year of collegiate work of a value of not less than 8 credit hours, of which at least 4 credit hours shall be laboratory work.

It is strongly urged that prospective medical students take, in addition to the required minimum of biology as stated, a course of at least three semester hours in comparative vertebrate anatomy, inasmuch as this course is not given in the medical curriculum.

German or French: A total of not less than 8 credit hours. One unit of high school work may be counted as 2 credit hours of this requirement, but there shall be at least 6 credit hours of collegiate work in one language.

English: A total of not less than 6 credit hours.

All of the requirements indicated above may be fulfilled in a space of three years. The following plan is suggested:

First Year: Regular freshman scientific course.

Second Year: Zoology and Botany, 8 hours; Chemistry, 4 hours; Physics with Laboratory, 10 hours; German or French sufficient to make with freshman work a total of at least 8 credit hours.

This completes the requirements made by the medical school. The remainder of time should be given to the completion of the major and minor requirements of Buchtel College.

4. COMBINATION COURSES WITH OTHER SCHOOLS

THE ARTS-NURSING COURSE

Any student who has been in residence at the University of Akron for at least three years, and who has made an average grade of 85% in at least 96 hours in the regular course in Buchtel College, with major in biology, and with all required minors completed, may receive the degree of B. S. from the University of Akron upon the satisfactory completion of the course in any first-grade training school for nurses.

By this arrangement it is made possible for the candidate to secure both the college degree and the nurse's certificate in six years.

Such an arrangement has been definitely entered into with Lakeside Hospital Training School for nurses, Cleveland.

WITH MEDICAL SCHOOLS

The University of Akron will enter into combination courses with any of the medical schools of the highest class, as fixed by the standards of the American Medical Association.

WITH OTHER PROFESSIONAL OR TECHNICAL SCHOOLS

The University of Akron is willing to give the opportunity for combination courses with any approved technical or professional school making graduation from a first-grade high school a prerequisite for entrance (except medical schools, see above). The approval of such courses rests with the committee on classification. In making such combinations, the University of Akron will insist on the fulfillment of the general requirements of three years' residence at Akron, the completion of 96 term hours there and of a total of 128 term hours for graduation—also of the completion of all required majors and minors.

Students are warned against haphazard work in the University of Akron with the idea that a course chosen at random can be combined with any professional school to which their inclination may later direct them. The choice of the school with which the combination is desired should never be delayed beyond the close of the freshman year. The committee on classification is at all times ready to assist students in making combinations with reputable professional and technical schools.

PRE-DENTAL YEAR

After 1926, every Class A dental school will require for entrance one year of college work in addition to graduation from a first-grade high school. Classes are so arranged in the Arts College of the University of Akron that pre-dental students have no difficulty in getting the required pre-dental studies.

The work includes:

Chemistry, 4 credit hours each semester.

Biology, 4 credit hours each semester.

Rhetoric, 3 credit hours each semester.

*Mathematics or Foreign Language, 4 credit hours each semester.

Physical Training, 1 credit hour each semester.

*Students who did not have physics in high school must take college physics in place of foreign language or mathematics.

COMMUNITY CO-OPERATION

The work in community co-operation has been undertaken for the purpose of bringing the University in all its departments into close touch with the activities of the city of Akron. The Directors of the University feel that an institution of higher learning, supported in large part by municipal taxation, should give freely to the city all possible practical aid by means of its instructors and equipment.

While the work of community co-operation is not primarily organized for the purpose of teaching, yet one of its important objects is to bring students into contact with the work of the city and to train them along various lines of practical usefulness to the community. Whenever possible, the actual problems of civic life and administration are substituted in the various courses for purely theoretical work, since the University considers this training as one of the most important branches of its activity.

DIVISIONS OF CO-OPERATIVE WORK

The work properly falls under two heads:

- I. Special organizations or Bureaus.
- II. Co-operative work by various departments of the University.

I. SPECIAL ORGANIZATIONS

THE BUREAU OF CITY TESTS

E. F. SCHAEFER, B. E. M., *Director*

In accordance with the proposal made by the Directors of the University and accepted by the Akron City Council, the University assumes entire charge of the chemical and physical testing work of the city. The Bureau of City Tests was created and took charge of this work January 1, 1914. All analytical and diagnostic work of the city was done by the Bureau until November, 1916, when a diagnostic bacteriological laboratory was created at the Board of Health office and assumed this work. The Bureau continues to do bacteriological milk and water analyses, and all other physical and chemical tests for the various city departments, together with brick testing for Summit County.

The Bureau is a part of the Knight Chemical Laboratory and co-operates with the Department of Chemistry in bringing students in advanced courses in chemistry into touch with the city work by giving them actual problems of the city for solution as a part of their regular class work.

II. CO-OPERATIVE WORK BY DEPARTMENTS OF THE UNIVERSITY

The following list covers activities of the past few years:

DEPARTMENT OF SOCIOLOGY

Housing survey by students under direction of Health and Charity Organization. Field work under direction of Charity Organization and Red Cross.

Leaders of clubs under direction of Y. W. C. A. and Y. M. C. A.

Training classes for social workers in co-operation with the Charity Organization Society.

DEPARTMENT OF PHYSICAL EDUCATION

Summer camp work by Director, Assistant-Director and students.

DEPARTMENT OF ENGLISH

Field work in journalism for local newspapers.

DEPARTMENT OF BIOLOGY

In close affiliation with the City Health Department. Courses in sanitation, hygiene, and fundamentals of biology for nurses and teachers. Numerous informal talks on health topics have been given before various organizations, including many groups of the Home and School League, Clubs, Church organizations, Y. M. C. A., Y. W. C. A., boys of the Children's Home, and the County Horticultural Society.

COLLEGE OF ENGINEERING AND COMMERCE

Engineering students work alternate three-week periods in foundries, machine shops, rubber factories, and on construction and railroad work. Arrangements have been made to provide outside work on alternate basis for commerce students. Civil engineering students are assigned to municipal work under direction of city service departments.

Engineering instructors make numerous tests of materials and machines for local industries. Technical men in local organizations use facilities of engineering laboratory for testing purposes.

DEPARTMENT OF CHEMISTRY

Two fellowships in the chemistry of india rubber, open to graduates of standard American colleges, have been established at the Municipal University by Akron rubber companies, for the purpose of training men for service in their laboratories.

EVENING SESSION

The University offers courses in many subjects in late afternoon and evening classes to the people of Akron.

In addition to these courses the University co-operates with the State Board of Vocational Education in the offering of Trade Mathematics, Trade English, Shop Mathematics and Trade Science.

TEACHERS COLLEGE

The Teachers College is organized under the joint management of the Akron Board of Education and the Directors of the University. The general oversight of the Teachers College is in charge of the President of the University, the Superintendent of Schools and the Dean of the college. The work is specifically organized for the following purposes:

1. The preparation and training of teachers for the Akron Public School System.
2. The professional improvement of teachers already engaged in the Public School service.
3. The study of educational problems.

The first purpose the Teachers College is expected to achieve is the affiliation of teacher training with the various colleges of the University which gives opportunity to all teachers in training to receive academic preparation along with the professional training.

The second purpose is to increase very considerably the opportunities for continued training to teachers already in service. Late afternoon, evening and Saturday courses are offered for those who wish them.

The third purpose is to bring teacher training into closer contact with the instructional, supervisory and administrative forces of the city. The really vital problems of education may thus be studied by all who represent these forces. In this way the vigorous progressive phases of school work in the city will be reflected in the training courses, and the study of these problems by the Teachers College will bring suggestions for methods in teaching, for new forms of training, and for various modifications of school work. All students are under the rules governing students of the University and are entitled to all the privileges of the institution. Students are required to do practice teaching in the Akron schools for one semester.

The trade teacher training courses offered by the State and Federal Governments are given in Teachers College.

REGISTER OF STUDENTS

1924-1925

BUCHTEL COLLEGE OF LIBERAL ARTS

GRADUATE STUDENTS

Allen, Isabel Wait	Akron
A. B., University of Michigan	
Bailat, Esther	Akron
B. S., St. Mary's College	
Braden, Orvan Everett	Akron
B. S., College of Wooster	
Clinefelter, Gladys Frazee	Akron
A. B., College of Wooster	
Cramer, Lowell Bertram	Clarinda, Pa.
A. B., Cornell College, Iowa	
Cray, Edith Grace	Akron
A. B., Municipal University of Akron	
Doyle, Harriet K.	Akron
A. B., Wellesley College	
Doyle, Ruth	Akron
A. B., Smith College	
Hillman, Carolyn Louise,	Akron
B. S. in Home Economics, Municipal University of Akron	
Howard, Harry Willis	Jacksonville, Ill.
B. S., Illinois College	
Hottenstein, Frances Carmichael	Akron
B. S., Municipal University of Akron	
Kauffman, Edgar Marsh	Akron
A. B., Wittenberg College	
Lockeman, Mrs. George Franklin	Akron
A. B., Bucknell University	
Olin, Mrs. Charles R.	Akron
Ph. B., Buchtel College	
Seitz, Ira James	Akron
A. B., Asbury College	
Shuman, Mary	Akron
A. B., Municipal University of Akron	
Thesing, Anna Mary	Barberton
B. E., Municipal University of Akron	
Thomas, Mildred	Akron
B. S. in Home Economics, Municipal University of Akron	
Tobin, Mrs. Paul	Akron
A. B., Western Reserve University	
Weber, Delphine Haskins	Akron
B. S., Simmons College	
Wilcox, Margaret Doyle	Akron
A. B., Smith College	

Total 21—Men 5; Women 16

SENIOR CLASS

Course

Ackley, Ruth Virginia	A. B.	Akron
Auten, G. Russell	A. B.	Akron
Averell, Mrs. Charles W.	A. B.	Akron
Baker, Deming Elmon	B. S.	Akron
Blake, Estelle Elizabeth	A. B.	Akron
Barnholth, Thelma	A. B.	Akron
Bordner, Ada	A. B.	Akron
Buehl, Harold Lothman	A. B.	Akron
Carey, Clara Lucille Fern	A. B.	Akron
Carman, Frank Harrison	B. S.	Barberton
Carnahan, Audra	A. B.	Akron
Childs, Agnes Rose	A. B.	Akron
Christ, Harding Simon	A. B.	Akron
Cowan, Lester	A. B.	Akron
Dickerhoof, Ralph Franklin	A. B.	Akron
Dilley, Gilbert William	A. B.	Akron
Dunford, Esther Bessie	A. B.	Akron
Eberhard, Theodore Phillip	A. B.	Akron
Ellis, Freda Lillian	A. B.	Akron
Fanning, Margaret Florence	A. B.	Akron
Farlin, Mary Elizabeth	A. B.	Akron
Fish, Lola	B. S.	Akron
Galehouse, Marion	A. B.	Akron
Gregg, Margaret Helen	A. B.	Akron
Groom, Harold Maynard	B. S.	Akron
Hassenfue, Marjory	B. S.	Akron
Henry, Pauline	B. S.	Akron
Hoss, Evelyn Josephine	A. B.	Akron
Jenkins, Hayes Ray	A. B.	Akron
Kalmon, Morris	B. S.	Akron
Karam, Adib	B. S.	Akron
Keeler, Bertsyl	A. B.	Lynchburg
Krotzer, Walter Farnham	A. B.	Dunmore, Pa.
Leonhard, Gladys	A. B.	Akron
Lilliedale, Mervin	A. B.	Akron
Lind, Leroy M.	A. B.	Akron
McCoy, States D.	B. S.	Akron
McShaffrey, Regina Agnes	A. B.	Akron
MacKinnon, John G.	B. S.	Akron
Major, Floyd	A. B.	Akron
Mason, Kenneth A.	A. B.	Akron
Matz, James William	A. B.	Akron
Miller, Nellie	A. B.	Uniontown
Moskovitz, Fred	A. B.	Akron
Nieman, Helen Esther	A. B.	Akron
Palmquist, Dennis William	A. B.	Akron
Paul, Winifred Mary	A. B.	Akron
Pfeife, Nola	A. B.	Akron
Ports, Ruth	A. B.	Akron
Purdy, John F.	B. S.	Akron
Ream, Madeleine A.	A. B.	Akron
Reichenstein, Selma Barber	A. B.	Akron
Reiter, Harold Franklin	B. S.	Akron
Rhodenbaugh, Charles	A. B.	Akron
Rimer, Robert Hall	A. B.	Kenmore

Roberts, Mildred H.	A. B.	Akron
Sapp, Celia	A. B.	Akron
Schlundt, Theodore S.	A. B.	Akron
Schmidt, Luella Sophia	A. B.	Akron
Shaffer, Joshua Casper	B. S.	Leipsic
Shaffer, Raymond Willard	A. B.	Akron
Smith, Amelia K.	A. B.	Clinton
Smith, Lulu Henrietta	A. B.	Akron
Snyder, James Ernest	B. S.	Akron
Stilwell, Clair E.	A. B.	Akron
Stump, Carl Marshall	A. B.	Akron
*Thomas Harry Hall	A. B.	Akron
Thorn, Homer Zelle	B. S.	Akron
Walker, Elizabeth	A. B.	Akron
Walker, Newport Hughes	A. B.	East Akron
Waltz, Ruth Gertrude	A. B.	Akron
Wells, Alton Revoe	A. B.	Akron
White, Ruth Warne	A. B.	Akron
Williams, Theodore Martin	A. B.	Akron
Wilson, Rebecca Howard	A. B.	Akron

Total 75—Men 39; Women 36

*In Combination Arts-Law Course with Ohio State University.

JUNIOR CLASS

Course		
Baldwin, Helen	A. B.	Medina
Baumgardner, Donald Mills	A. B.	Akron
Bear, Irene	A. B.	Akron
Beck, Gretchen	A. B.	Akron
Bennett, Roy E.	A. B.	Barberton
Bialostocki, Saul	B. S.	Akron
Boettler, Roy	B. S.	Greentown
Brown, Enslin Charles	A. B.	Akron
Brubaker, John	A. B.	Akron
Burge, Dorothy Alice	A. B.	Akron
Cahill, Louis J.	B. S.	Akron
Campbell, John Harold	A. B.	Rittman
Cauffield, Margaret	A. B.	Akron
Chittenden, Leah C.	A. B.	Akron
Clemenger, Marguerite Selma	A. B.	Akron
Cramer, Howard Irving	B. S.	Cuyahoga Falls
Cranz, Laura Elizabeth	A. B.	Everett
Crawford, Alden Kingsley	A. B.	Akron
Dashevsky, Ezekial	B. S.	Akron
Denning, Eugene Benjamin	A. B.	Akron
Eastman, Frances Alfreda	A. B.	Akron
Eastman, Frederic John	A. B.	Akron
Engwall, Conrad A.	B. S.	Akron
Figenschel, Murray A.	A. B.	Akron
Gehres, Margaret	A. B.	Akron
Getz, Esther Lucy	A. B.	Kent
Hackett, Paul	A. B.	Akron
Hansen, Christian Lawrence	A. B.	Akron
Hardy, Ruby Elizabeth	B. S.	Akron. R. D.
Hinton, James Melbourne	A. B.	Akron
Horning, Frances E.	A. B.	Akron

REGISTER

Jackson, Carola Maxine.....	A. B.	Cuyahoga Falls
Kepler, Jack Johnston.....	A. B.	Akron
Koplin, Nathan.....	A. B.	Akron
Kreiselman, Benjamin Bernard.....	A. B.	Akron
Krill, Carl Emil.....	B. S.	Akron
Larabee, Byron Hanly.....	B. S.	Akron
Laumann, Paul H.....	A. B.	Akron
Lawler, Doris.....	A. B.	Akron
Lebold, Vivian.....	A. B.	Akron
Lincoln, Mildred.....	A. B.	Akron
Littman, Joseph B.....	B. S.	Akron
Mahoney, Harry Leonard.....	A. B.	Akron
Manes, L. Louis.....	A. B.	Akron
Miller, James O.....	A. B.	Akron
Minter, Irene.....	A. B.	Akron
Moodie, Hilda A.....	A. B.	Akron
Moore, Fred.....	A. B.	Akron
Morgenroth, Myron James.....	A. B.	Akron
Nelson, Irvin H.....	A. B.	Akron
Oatts, James David.....	A. B.	Akron
Olmstead, Eleanor L.....	A. B.	Akron
Osborne, Frances Marion.....	A. B.	Akron
Pitkin, Thomas M.....	A. B.	Tallmadge
Pyers, Benjamin F.....	A. B.	Cuyahoga Falls
Rasor, Ralph Eugene.....	B. S.	Kenmore
Roth, Allen.....	B. S.	Akron
Sanderson, Paul Nicholas.....	A. B.	Akron
Shea, Eunice Josephine.....	A. B.	Akron
Short, Cheryl M.....	A. B.	Akron
Solomon, Joseph.....	A. B.	Akron
Taylor, George R.....	B. S.	Akron
Tenney, Audra.....	A. B.	Akron
Terrass, Milford.....	B. S.	Akron
Wagstaff, Donald Andrew.....	B. S.	Akron
Weiler, Joseph Farrell.....	B. S.	Barberton
Wells, Helen NaDene.....	A. B.	Massillon
Whigam, Madge Mary.....	A. B.	Akron
Wooddell, Mildred Clara.....	A. B.	Akron
Wood, Mrs. E. G.....	A. B.	Akron

Total 70—Men 42; Women 28

SOPHOMORE CLASS

	Course	
Abersold, Gertrude.....	B. S.	Akron
Alpeter, James.....	B. S.	Akron
Austin, Lorraine Lucille.....	B. S.	Akron
Barbian, Homer Livingston.....	A. B.	Sharon, Pa.
Barrett, Lois.....	A. B.	Akron
Bauman, Gerald Berdell.....	A. B.	Akron
Bitter, Raymond Edward.....	B. S.	Akron
Bordner, Paul.....	A. B.	Akron
Boss, George.....	A. B.	Akron
Bowman, Robert Howard.....	A. B.	Akron
Brewster, Marian Marthena.....	A. B.	Akron
Briggs, J. Pearl.....	A. B.	Akron
Brown, Marian.....	A. B.	Akron
Bunting, John H.....	A. B.	Cuyahoga Falls
Burns, Evelyn.....	B. S.	Cuyahoga Falls

Caudill, Mildred	A. B.	Akron
Clarke, Edward J. Orville	A. B.	Akron
Coup, Charles F.	B. S.	Akron
Crankshaw, Jesse Lewis	B. S.	Akron
Dashevsky, Nathan	B. S.	Akron
Davis, Donald H.	A. B.	Akron
Davis Frederick W.	B. S.	Akron
Demming, Perry T.	A. B.	Akron
DeSure, Edward	A. B.	Akron
Dey, Alice	A. B.	Akron
Doran, Adeline M.	A. B.	Akron
Duncan, Samuel G.	A. B.	Lakemore
Eaken, R. William	B. S.	Akron
Epstein, Naomi	A. B.	Akron
Esgate, Jean Virginia	A. B.	Akron
Evkovich, William	B. S.	Akron
Faler, Alice Josephine	A. B.	Akron
Fletcher, Paul E.	A. B.	Akron
Flippo, Theodore	B. S.	Akron
Fontaine, Russell B.	B. S.	Akron
Fraser, Edith	A. B.	Akron
French, Louis Adrian	A. B.	Akron
Gitow, Lillian	A. B.	Akron
Goldenberg, Meyer	B. S.	Akron
Gresham, Norman Curtis	A. B.	Akron
Grim, Henry Earl	A. B.	Stryker
Harrington, Russell Paul	B. S.	Akron
Harris, Robert Foote	A. B.	Akron
Henninger, Delbert C.	A. B.	Akron
Hodgdon, Guy	B. S.	Akron
Hoffman, Mildred	A. B.	Akron
Horst, Harriet Eleanor	A. B.	Akron
Houglan, Sue Ruth	B. S.	Akron
Huff, William Boyd	A. B.	Akron
Huston, Chalmers	A. B.	Akron
Jenkins, Charles	A. B.	Akron
Johnson, Lillbern Beadle	A. B.	Akron
Karam, Harvey A.	B. S.	Akron
Kepple, Helen	A. B.	Akron
Klahre, Ethel Susan	A. B.	Akron
Kline, Arthur A.	A. B.	Akron
Kondritzner, Albert	B. S.	Akron
Kramer, Dale	A. B.	Akron
Lamb, Emmanuel Victor	A. B.	Akron
Leggett, Mortimer	A. B.	Kent
Leonard, Donald Edward	B. S.	Akron
Lewin, Charles A.	B. S.	Kenmore
Lewin, Andrew John	B. S.	Kenmore
Limber, Grace	A. B.	Akron
Litsinger, Thelma	A. B.	Akron
Long, Robert	B. S.	Akron, R. D.
Lutz, Wilford Irvin	A. B.	Akron
McLaney, Loudell	A. B.	Akron
McLean, Royal Cecil	B. S.	Akron
Mackey, Laura Frances	A. B.	Akron
Mason, Clement	A. B.	Akron
Medwin, Jeanette	A. B.	Akron
Meier, Helen Jane	A. B.	Akron
Mell Dorothy	A. B.	Akron
Minnick, Marguerite	A. B.	Cuyahoga Falls
Morganstern, Louis	B. S.	Akron

REGISTER

Myers, Forest D.	A. B.	Akron
Nichols, Robert Clarence	A. B.	Akron
Nicodemus, Alberta	A. B.	Akron, R. D.
Nye, Helen	A. B.	Akron
Otis, Marie L.	A. B.	Akron
Palmer, Julia Kathryn	A. B.	Akron
Pittinger, William J.	B. S.	Akron
Plappert, Edward	B. S.	Akron
Pollard, Maude	A. B.	Akron
Porterfield, Oneita	A. B.	Akron
Reece, Jane	A. B.	Akron
Romweber, Richard J.	A. B.	Akron
Ross, Clyde Emory	A. B.	Barberton
Roth, Aaron	A. B.	Akron
Safreed, Clair Olan	B. S.	Akron
Schumacher, Sherman A.	A. B.	East Akron
Sexamer, Kathryn Alice	A. B.	Akron
Sheinin, Louis	B. S.	Akron
Shreve, Dorothy J.	A. B.	Akron
Smead, Elmer E.	A. B.	Akron
Smith, Alexander William	A. B.	Akron
Spiker, Emma Catherine	A. B.	Akron
Sproul, Wayne Treber	B. S.	Akron
Stanford, Dortha	A. B.	Akron
Stein, Celia Alice	A. B.	Akron
Stepfield, Esther Lucille	B. S.	Doylestown
Stevens, Thomas Laing	A. B.	Akron
Stewart, W. Earl	B. S.	Cuyahoga Falls
Supowit, Ruth	B. S.	Akron
Talley, Dwight Marshall	B. S.	Akron
Terrass, Elizabeth	A. B.	Akron
Theobald, Adrain Daniel	A. B.	Akron
Thomas, John Paul	A. B.	Akron
Union, Julius	A. B.	Akron
Wagner, Joseph Edward	B. S.	Marshallville
Wells, Winifred K.	A. B.	Akron
Wheeler, James Boyd	A. B.	Akron
Wines, Richard John	A. B.	Akron
Worthington, Margaret Deane	A. B.	Akron
Wyle, John J.	A. B.	Akron

Total 116—Men 71; Women 45

FRESHMAN CLASS

Akers, Donald Eugene	Plymouth
Alden, George Wright	Akron
Alexander, Reginald Myers	Akron
Allman, Lillian Mildred	Akron
Amer, Josephine	Akron
Armstrong, Elizabeth	Akron
Aspell, Marion Lincoln	Akron
Auten, Ralph W.	Akron
Averell, Julia	Akron
Baldwin, Benjamin Harger	Akron
Ballard, Pebble J.	Forest Park, Ga.
Barnholth, Claude Robert	Akron
Barton, Adelaide Maude	Akron
Beard, Raymond Earl	Akron
Beck, Pauline Louise	Akron

Bendell, Stella Helene	Akron
Berry, Louis	Akron
Bishop, Donald G.	Akron
Black, Robert Elmer	Akron
Blank, William K.	Akron
Bove, Robert	Rutland, Vt.
Bowman, Laura Leone	Akron
Brady, Mae Lucile	Massillon
Brandwan, Samuel, Jr.	Akron
Brancher, M. Dale	Greenburg
Brodts, Carl	Akron
Brueggeman, Elmer C.	Akron
Bryant, Samuel Hanks	Akron
Bunker, Loomis O., Jr.	Akron
Burge, Gladys Ann	Akron
Carey, Lucille V.	Akron
Conner, Marian Helen	Akron
Cook, Duane	Akron
Corbett, Evelyn Doris	Akron
Corice, Elma Leona	Akron
Crawford, Harry	Wadsworth
Crawford, Newell	Akron
Crum, Samuel Allen	Akron
Decker, Elizabeth	Barberton
Diehm, Arthur	Akron
Dottarar, Harold Dillon	Akron
Dysle, Barbara	Akron
Dyson, Wheatly Phyllis	Akron
Eastman, Eric	Akron
Elliott, George Berton	Akron
Ellsworth, Grace Lytle	Akron
Ellsworth, Raymond Van Evera	Akron
Figenscher, Carl	Akron
Finney, Norman C.	Akron
Finley, Howard Stanley	Akron
Flower, Gerald	Akron
Flower, Ivan L.	Akron
Forbes, Samuel John	Akron
Foutts, James C.	Akron
Garman, Charles Franklin	Akron
Gibson, Delbert L.	Akron
Gilleland, Earl Roger	Akron
Graves, Harry Robert	Akron
Gross, Dorothy	Akron
Gross, Roy Edwin	Greentown
Haaf, Edward C.	Copley
Haber, Virginia Dorothy	Akron
Hamlen, Dorothy A.	Akron
Harding, Kenneth	Akron
Hare, Weston A.	Akron
Harms, Mary	Akron
Hayden, John C.	Akron
Hays, Blaine	Carlisle, Pa.
Helmkamp, Harold Roland	Wellington, Mo.
Held, Inez	Akron
Henry, A. Irving	Akron
Holub, Miriam Audrey	Akron
Horn, Helen Louise	Akron
Hurd, Mildred Jean	Cuyahoga Falls
Isenberg, Jacob Gurtry	Jonesboro, Tenn.
Jacobs, Arthur L.	Akron

Jacobs, Paul C.	Akron
Julien, Marian Austin	Kent
Kauffman, Clifford W.	Akron
Kellogg, George Edward	Pittsburgh
Kelsey, Myron	Wellington
Kennedy, Bernard John	Akron
Kerr, Roy Willis	Akron
Knecht, Leslie Sherman	Barberton
Kramer, Gertrude Helen	Akron
Kreiter, Samuel	New York, N. Y.
Kushkin, Milton Mitchell	Akron
Langerman, Anna	Akron
Lansinger, Inga	Akron
Leeper, Isadore	Akron
Leonard, Dean Russell	Akron
Libis, Robert L.	Akron
Likens, Basil	Akron
Linton, Margaret	Akron
Lyon, Virginia Jessie	Akron
McCally, Marguerite	Akron
McCorkle, Margaret	Cuyahoga Falls
McCown, Mary Ella	Springfield
McMiller, Adeline Iliff	Akron
Manelik, Mary Harriet	Akron
Martin, Nellida Elizabeth	Akron
Marting, Harrison Barr	Akron
Marty, Alpheus B.	Akron
Masterson, Helen Florence	Akron
Meier, Louis S.	Akron
Meier, Marie Antoinette	Akron
Mellinger, Lorenzo Kenneth	Cuyahoga Falls
Metzger, Clark	Akron
Metzger, Eleanor Mary	Greentown
Milar, Elizabeth Croninger	Akron
Miller, Leslie S.	Akron
Minium, Charles	Barberton
Mitchell, Thelma	Akron
Mitchella, Ruth Ione	Akron
Morris, Philip	Akron
Mosher, Esther Naomi	Akron
Moskovitz, Leo. J.	Akron
Olin, Norma Ruth	Akron
Olson, O. Walter	Akron
Parker, Harold Dean	Akron
Patterson, Robert	Cleveland
Pfaff, Alice Katherine	Akron
Pittinger, James Hobbs	Akron
Plotkin, Louise	Akron
Plant, Leland H.	Akron
Pliskin, Reuben	Akron
Purdy, Pauline Harriet	Akron
Quine, Harry Stanford, Jr.	Akron
Raymond, Frank	Akron
Rech, Anna Marie	Akron
Rice, Russell Turner	Akron
Rice, Waldron A.	Akron
Ritchie, William LaVaughn	Akron
Robertson, Horace Bruce	Akron
Ruttman, Dan Walter	Akron
Sauvain, Fern	Apple Creek
Schaufele, Evelyn	Barberton

Schiller, Mareta Grace	Akron
Schwartz, Theodore Gerald	Akron
Shoemaker, F. Carter	Akron
Shondel, Stanley J.	Clinton
Smith, Edward Leland	N. Lima
Smith, Harry L.	Akron
Smith, Norman	Akron
Spessard, Carl Dick	Akron
Stahl, Margaret Louise	Akron
Stafford, Francis	Akron
Stallings, William Henry	Akron
Stevenson, J. Carroll	Akron
Stillman, Georgia Gertrude	Akron
Stover, Josephine	Akron
Sullivan, John P.	Akron
Swanson, Helen	Akron
Taylor, Jerome	Akron
Tolan, Harold James Jay	Akron
Thomas, Daniel	Barberton
Wagner, Brenton	Osgood, Ind.
Wainer, Eugene	Akron
Walker, Muriel Hughes	Springfield Center
Wallace, Blaine	Akron
Walters, Lester Leland	Hudson
Webb, Myra May	Akron
Weltner, Bernard Hoyt	Akron
Wendt, Karl R.	Coshocton
Wetsel, Elizabeth	Akron
White, Charles Byron	Akron
Wilhelm, J. Grace	Akron
Williams, Ralph Charles	Akron
Wilson, B. Ralph	Sharpsburg, Ky.
Winans, Charles Francis	Akron
Witzberger, Clarence Michael	Akron
Wolfe, Clayton Clark	Delphos
Yerrick, Helen L.	Akron
Zepp, Florence Elizabeth	Massillon
Zimmerman, Glenn	Barberton

Total 175—Men 111; Women 64

IRREGULAR STUDENTS

Brown, Mrs. Grace	Akron
Brueggeman, Walter M.	Akron
Burger, Marie	Akron
Carney, Donald F.	Akron
Cookro, Rose Mary	Akron
Fox, Amelia	Akron
Gadel, Joseph C.	Akron
Gordon, Meyer	Akron
Grubb, Edwin, W. Jr.,	Akron
Hamlen, E. Kenneth	Akron
Harvey, Mary Miller	Akron
Herrick, Robert F.	Akron
Hooper, H. Richard	Akron
Ink, Dorothy	Akron
Keen, Paul Clifton	Akron
Kirk, Kary	Akron

REGISTER

Kirn, Walter N.	Akron
Koval, Mary Rose	Akron
Lineberger, Ralph	Akron
Mason, Ruth Elizabeth	Akron
Matz, Claude A.	Akron
Merlitti, Luigi	Italy
Nobil, Mrs. Burton	Akron
Nobil, Theresa	Akron
Odom, Young	Akron
Reed, Margaret	Akron
Reed, Roland F.	Akron
Roberts, G. Hassell	Akron
Streeter, Mary M.	Tiskilwa, Ill.
Test, Josiah Arthur	Akron
Tisdale, Chester A.	Akron
Vaughan, Francis W.	Akron
Witwer, Frederick Charles	Akron
Woodward, Lucille	Akron
Yeomans, Lawrence	Akron
Zickefoose, Cecil H.	W. Va.

Total 36—Men 22; Women 14

SPECIAL STUDENTS

Barger, Freda Margaret	Washington, D. C.
Case, Mrs. Myra C.	Akron
Clark, Iva Mae	Akron
Denison, John M. Jr.	Akron
Donnelly, Thomas Joseph	Akron
Dyke, Minor Bowler	Akron
Espenheim, Anne H.	Akron
Flaherty, Helen Cecile	Akron
Flaherty, Mrs. J. S.	Akron
Genheimer, Anna	Akron
Gerhart, Henry	Akron
Gordon, Anna	Akron
Harwick, Curtis J.	Akron
Hungerford, Minta A.	Akron
McClelland, Gladys	Akron
Manziona, Ruth	Akron
Martin, John Crutcher	Akron
Miller, Isadore	Akron
Mills, Julia M.	Akron
Polsky, Fannye M.	Akron
Rohner, Caroline	Akron
Rolik, Andrew	Akron
Schmidt, Bruno H.	Akron
Wiener, Lenore	Akron
Zivnuska, Meta	Akron
Zivnuska, Ulrich Raymond	Akron

Total 26—Men 10; Women 16

COLLEGE OF ENGINEERING AND COMMERCE

DEPARTMENT OF ENGINEERING

- C. E.—Civil Engineering
 E. E.—Electrical Engineering
 I. E.—Industrial Engineering
 M. E.—Mechanical Engineering
 M. P.—Manufacturing Production

GRADUATE STUDENT

Rimelspach, Clemence A. _____ Canton
 A. B., Ohio State University

SENIOR CLASS

	Course	
Clendenin, William Dawson	C. E.	Kenmore
Cole, Lester M.	M. E.	Akron
Cooper, Ralph F.	E. E.	Akron
Glasheen, Francis D.	I. E.	Athol, Mass.
Glass, William John	C. E.	Akron
Harrington, F. Theodore	M. E.	Akron
MacDonald, Levi Alexander	C. E.	Canada
Moody, Dwight L.	M. E.	Akron
Salber, Eugene J.	C. E.	Akron
Van Brimmer, Ralph M.	C. E.	Delaware
Vanica, Pearl R.	M. P.	Akron
Waggoner, Charles Theodore	E. E.	Akron
Wilson, Ross Ellsworth	E. E.	Akron

Total, 13 Men

JUNIOR CLASS

Albertson, Donald S.	M. E.	Cuyahoga Falls
Battels, Clare W.	M. E.	Akron
Britsch, Harold	I. E.	Akron
Brown, Ralph John	M. E.	Akron
Harding, Hugh Wallace	C. E.	Akron
Hartz, Philip L.	I. E.	Akron
Hoch, Harold Charles	C. E.	Akron
Javins, William McKinley	C. E.	Akron
Kleckner, Marion B.	E. E.	Akron
Limbach, Oscar C.	C. E.	New Philadelphia
Petrie, Raymond William	C. E.	Akron
Sauter, Thomas Henry	C. E.	Williamsport, Pa.
Scharenberg, Louis Leonard	C. E.	Everett
Snyder, Richard F.	C. E.	Williamsport, Pa.
Wagner, John F.	C. E.	Marshallville
Whiteman, Henry H.	M. E.	Akron

Total, 16 Men

PRE-JUNIOR CLASS

	Course	
Allen, Dave B.	M. E.	Akron
Arter, John Bethel	C. E.	Piedmont
Ash, Fred Joseph	E. E.	Akron
Barbura, John	E. E.	Akron
Burgan, Kenneth E.	E. E.	Cuyahoga Falls
Damon, Donald	C. E.	Gerry, N. Y.
Greenwald, Ralph Russell	E. E.	Akron
Guillod, William Oscar	C. E.	Canton
Hampp, Paul Greenwood	I. E.	Kenmore
Hanson, Earl	E. E.	Akron
Hanson, Frank	M. E.	Akron
Luff, Wayne W.	C. E.	Kent
McCoy, James William	C. E.	Kent
Miller, Edmund Bruce	C. E.	Akron
Newhall, Clifton M.	C. E.	Akron
Qualters, Richard Leo	I. E.	Athol, Mass.
Rhodes, Frank R.	C. E.	Darlington, S. C.
Schafer, Joseph Edward	E. E.	Akron
Schmucker, Leroy	E. E.	Stryker
Shaffer, Lee Jay	E. E.	Akron
Shook, Melvin L.	E. E.	Akron
Starr, Troy S.	E. E.	Gerry, N. Y.
Tryon, Ralph C.	E. E.	Akron
Wingenter, Ralph A.	C. E.	Akron
Wisemen, Matthew	E. E.	Akron
Worthen, S. K.	E. E.	Barberton
		Total, 26 Men

SOPHOMORE CLASS

	Course	
Baker, Paul Kenneth	E. E.	Akron
Bender, John	M. E.	Magnolia
Blount, Morgan Kenneth	E. E.	Akron
Clark, George Gerald	E. E.	Akron
Davis, Kenneth Filmore	E. E.	Kansas City, Mo.
Decher, Robert M.	E. E.	Ostrander
Dettling, Ted	M. E.	Akron
Dierdorf, William Elwood	C. E.	Akron
Ellis, Chris Vasil	E. E.	Akron
Eshelman, Howard Irwin	C. E.	Orville
Fisher, Leland Vernon	M. E.	Akron
Gurin, Edward Israel	M. E.	Akron
Hadfield, Robert W. M.	M. E.	Akron
Harter, Raymond A.	C. E.	Akron
Hoopes, Frederick Winfield	E. E.	Akron
Kennedy, Kenneth James	M. E.	Akron
McCluer, Henry O.	M. E.	Akron

McCracken, Robert William	E. E.	Cuyahoga Falls
Miller, Vernon Carl	C. E.	Orville
Mills, Donald William	C. E.	Akron
Moore, Claude A.	E. E.	Akron
Payn, Wallace S.	M. E.	Peninsula
Rang, Lester T.	E. E.	Akron
Reiser, Bernard	C. E.	Akron
Ritter, Edwin Ernest	E. E.	Kent
Seib, William A.	M. E.	Akron
Shaffer, Donald E.	E. E.	Akron
Sorrnick, Charles Henry, Jr.	I. E.	Akron
Sparr, Benjamin Ralph	C. E.	Akron
Taylor, Lloyd A.	C. E.	Akron
Viall, Carl Sylvester	C. E.	Akron
Weltzien, Clyde W.	E. E.	Wadsworth
Williams, Frank M.	C. E.	Akron
Williams, Harry R.	C. E.	Akron
Young, Albertus Jesse	M. E.	Akron

Total, 35 Men

FRESHMAN CLASS

Course

Averell, Max Wilson	E. E.	Akron
Bachtel, Alfred S.	M. E.	Akron
Ballinger, Victor Herbert	E. E.	Akron
Best, Warner Edwin	E. E.	Akron
Bierman, Philip Wilson	E. E.	Akron
Birnbaumer, George Anthony	E. E.	Akron
Burgess, Thomas R.	C. E.	Wadsworth
Burkholder, Glenn E.	E. E.	Smithville
Carter, Corwin H.	E. E.	Everett
Cole, Harold	E. E.	New London
Conner, Edwin Kenniston	E. E.	Akron
Cooney, John Matthew	C. E.	Akron
Dietz, Frederick Cristian	C. E.	Akron
Donovan, John Robert	C. E.	Akron
Dow, Stewart	M. E.	Cleveland
Eckroad, Frank E.	E. E.	Akron
Fahr, Wayne O.	E. E.	Akron
Farruggia, Joseph	C. E.	Akron
Fleming, Harry R.	E. E.	Millersburg
Fouse, Kenneth Eugene	C. E.	Akron
Frazer, Robert Lee	M. E.	Fitzgerald, Ga.
Gilbert, Ben	C. E.	Akron
Gilbert, Harry	C. E.	Akron
Goldwood, John Franklin	C. E.	Medina
Hargraves, Wesley Barker	E. E.	Akron
Heinke, H. Carleton	C. E.	Coshocton
Helmick, Leonard M.	E. E.	Barberton
Herhold, Herman William	E. E.	Akron
Hilbish, Harold Earl	M. E.	Akron
Hill, Gerald	E. E.	Lovington, Ill.
Hodson, Clinton A.	C. E.	Akron
Hunsicker, Paul Cowan	C. E.	Wadsworth
Jemison, Andrew	M. E.	Akron
Kahlor, Ernest M.	E. E.	Akron
Kopf, Willard E.	C. E.	Akron
Koteles, Louis	E. E.	Cleveland

REGISTER

Koval, Anthony	M. E.	Akron
Lineberger, Ralph	C. E.	Akron
Lister, Nelson E.	M. E.	Canton
Lodge, Edward Ellsworth	M. E.	Cuyahoga Falls
Marriott, Leonard A.	M. E.	Akron
Meech, Ralph Emmett	E. E.	Akron
Miletti, Louis Fred	E. E.	Akron
Myers, W. Merle	E. E.	Lodi
Neale, Edward Alvin	M. E.	Macedonia
Neff, Louis T.	M. E.	Akron
Serfass, Charles Richard	M. E.	Akron
Singer, Maurice	E. E.	Akron
Sisler, Harlin Glenroy	E. E.	Akron
Smith, Chester Elliott	E. E.	Somerset, Ky.
Smith, Theodore E.	M. E.	Akron
Smith, William Joseph	M. E.	Barberton
Snyder, Paul J.	M. E.	Akron
Staples, Harry Gray	C. E.	Hillsville, Va.
Statuta, Joseph M.	E. E.	Cleveland
Suloff, Paul David	E. E.	Akron
Swain, Harold	E. E.	Barberton
Thomas-Moore, Alfred	E. E.	Akron
Thurman, Floyd M.	E. E.	Rockport, Ind.
Tomb, Hamilton H.	C. E.	Clinton
Vinez, Carl Ferdinand Paul	M. E.	Akron
Wallet, Welker Carl	C. E.	Barberton
White, Ronald Alva	C. E.	Akron
Willett, Robert Bruce	M. E.	Akron
Withrow, Wesley Wayne	C. E.	Akron
Zahniser, Russell M.	C. E.	Akron
Zimmerman, H. Ervin	E. E.	Akron
Zurbach, Alfred Alvis	C. E.	Akron

Total, 68 Men

IRREGULAR STUDENTS

Hughes, Marion Wharton	Baltimore, Md.
Matz, Claude A.	Akron
Rockwell, Theodore F.	Akron
Taylor, Lawrence H.	Akron

Total, 4 Men

SPECIAL STUDENTS

Branan, Alvord W.	Lumber City, Ga.
Cole, Luther Lincoln	Akron
Cora, Aurel M.	Akron
Delagrang, Carl Robert	Barberton
Hartman, Edward Robert	Barberton
Hine, Leland W.	Tallmadge
Herman, Norman	Akron
Hitchcock, Rowland S.	Cuyahoga Falls
Nye, Norman H.	Cadillac, Mich.
Stevens, Marvin	Kent
Stewart, Earle	Kenmore

Total, 11 Men

DEPARTMENT OF COMMERCE

SENIOR CLASS

Cadden, Dorothy	Akron
Colley, Harold C.	Akron
Firick, William F.	Akron
Hagenbaugh, Robert F.	Akron
Hayden, Walter Henry	Akron
Hutchison, John	Akron
Miller, Philip	Akron
Pfeifle, Earl Chester	Akron
Smith, Ralph K.	Akron
Stilwell, Byron, W.	Akron

Total 10—Men 9; Women 1

JUNIOR CLASS

Baker, Russell L.	Akron
Burge, Dorothy Alice	Akron
Cunningham, Cecil D.	Sutton, W. Va.
Cutler, James	Akron
Denison, Kenneth	Akron
Enright, Mary	Akron
Faylor, Ralph John	Akron
Fickes, Robert William	Akron
Lansinger, Howard	Akron
Lantz, Kathryn L.	Akron
Miller, Harold L.	Cuyahoga Falls
Ryan, Earl	Cuyahoga Falls
Schoch, Joseph	Akron
Shaffer, Harry John	Akron
Shinn, Herbert	Passaic, N. J.
Short, Roger L.	Akron
Steinmetz, W. Joseph	Akron
Stewart, Thomas Freeman	Rockland, Me.
Thomas, Harold D.	Akron
Triplett, Earl	Akron
Wilkinson, Raymond	Akron

Total 21—Men 18; Women 3

SOPHOMORE CLASS

Benn, Paul E.	Akron
Bock, Fred Clinton	Akron
Bretzius, Winifred E.	Akron
Chapin, John Willard	Akron
Costello, Kathryn	Akron
Dorn, Ruth	Akron
Eberle, Edward H.	Peninsula
Kenney, Samuel R.	Akron
Lodge, William Ellsworth	Cuyahoga Falls
Mote, Herbert G.	Arcanum
Rehak, Mildred	Akron
Roeger, Dorothy E.	Akron
Rose, William M.	Akron
Semler, Helen L.	Akron
Spaght, Harold William	Cuyahoga Falls
Suddleson, Irsael	Akron
Thorp, Carl	Ravenna
Wing, Loren Evan	Peninsula

Total 18—Men 12; Women 6

FRESHMAN CLASS

Alexander, Charles J.	Akron
Beachler, Foster Waldo	Medina
Brasaemle, Charles L.	Akron
Burt, Harold C.	Akron
Cohen, Harry	Akron
Cox, W. Herschel	Akron
Crummel, Glen N.	Akron
Fulton, Charles Everett	Akron
Garrigan, Francis	Akron
Gregg, Catherine Elizabeth	Akron
Hale, Margaret	Cuyahoga Falls
Hammond, Merle Leroy	Sharon Center
Heinzerling, Lynn Louis	Elyria
Hendrix Hubert	Indianapolis, Ind.
Herman, Edward Foster	Akron
Kennedy, James	Peninsula
Knoske, Virginia	Cuyahoga Falls
Kollmar, Fred T.	Akron
Korn, Marjorie Isabelle	Akron
Lasher, George F.	Akron
Laughlin, Elzie George	Akron
Levin, Edward	Akron
McCollum, Wilfred D.	Akron
McFarland, George Max	Akron
Markel, A. Gerald	Akron
Merletti, Luigi	Italy
Metzger, C. Harold	Akron
Mikolashek, Greeley	Akron
Miller, Lawrence	Akron
Nelson, Harold Clifford	Akron
Olden, Morris	Akron
Parsons, Percy	Akron
Place, Frederick Andrew, Jr.	Akron
Ratcliffe, Gladys	Akron
Rawson, George E.	Akron
Rosenbaum, Arthur	Akron
Russell, Clarence Willard	Akron
Rutherford, Robert J.	Akron
Schwartz, Celia Helen	Cuyahoga Falls
Skeese, Frank Hoover	Akron
Slevin, Harold	Ellet
Sturmi, Francis Edward	Akron
Sturmi, Robert E.	Akron
Templeton, Charles R.	Akron
Van Hyning, Robert C.	Akron
Van Kirk, Budd	Akron
Whitemore, Russell Allen	Akron
Wigley, Edward John	Akron
Windows, Earl	Akron
Wiseman, George Samuel	Akron
Zesiger, Herbert B.	Cuyahoga Falls
Zuelsdorf, Ellwood M.	Akron

Total 52—Men 46; Women 6

IRREGULAR STUDENTS

Hiltbrand, Charles E.	Akron
Martin, Westley	Akron

Medvedeff, Nicholas	Akron
Rahner, Clarence	Akron
Reed, Roland F.	Akron
Schultz, Esther	Akron
Schultz, O. Delwin	Akron
Smith, John C.	Akron
Sullivan, John P.	Akron

Total 9—Men 8; Women 1

SPECIAL STUDENTS

Birch, Harry A.	Akron
Driggers, David J.	Akron, R. D.
O'Brien, Marie	Akron
Reed, Margaret	Akron
Wood, Athel W.	Cuyahoga, Falls

Total 5—Men 4; Women 1

SUMMER SESSION—1924

(Not included in 1923-1924 catalog)

IRREGULAR STUDENTS

Chamberlain, James	Akron
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CURTIS SCHOOL OF HOME ECONOMICS

SENIOR CLASS

Bachtel, Harriett Elizabeth	Akron
Baldwin, Elizabeth Gerhard	Akron
Belden, Mary A.	Akron
Dettling, Genevieve	Akron
Dettling, Vivienne	Akron
Hanson, Helen	Akron
Rhoades, Jessie	East Akron
Teepie, Kathryn Susan	Akron
Zerbe, Mary Elizabeth	Akron

Total, 9 Women

JUNIOR CLASS

Dannemiller, Helen E.	Akron
Everhart, Helen	Akron
Glass, Wilma Pauline	Akron
Hencke, Louise Hall	Willoughby
Hubbard, Audree	Akron
Hunsicker, Edna	Akron
Minner, Leah	Akron
Peck, Dorothy Gladys	Kent
Pflueger, Harriet Julia	Akron
Snook, Irene	Cuyahoga Falls
Wilkinson, Sara Burke	Akron

Total, 11 Women

SOPHOMORE CLASS

Baughman, Mildred Frances	Akron
Converse, Maria Grace	Mantua
Cross, Winifred Lona	Akron
Hedlund, Margaret	Akron
Hindman, Mabel	Akron

REGISTER

Hunsicker, Sarah Alberta	Akron
McNaughton, Jeannette	Akron
Otis, Marie L.	Akron
Roberts, Pauline	Akron
Shaw, Florence	Akron
Swan, Frances	Akron
Tobin, Katherine Ann	Akron
Total, 12 Women	

FRESHMAN CLASS

Cross, Eleanora M.	Akron
Dettling, Elizabeth	Akron
Falor, Mary Adelia	Akron
Frank, Helen	Fairlawn
McMullin, Judith	Bedford, Pa.
Partlon, Margaret Emma	Akron
Viall, Sara	Akron
Total, 7 Women	

IRREGULAR STUDENTS

Burr, Irma	Akron
Vance, Adelaide E.	Akron
Total, 2 Women	

SPECIAL STUDENTS

Deuber, Ivah	Akron
Dunford, Lucile	Akron
Total, 2 Women	

TEACHERS COLLEGE

GRADUATE STUDENTS

Chamberlain, Gladys	Akron
A. B., Municipal University of Akron	
Couch, Walter Robert	Kent
C. E., Municipal University of Akron	
Frampton, Eulalia	Akron
A. B., Municipal University of Akron	
Harper, Dora Nice	Akron
A. B., Municipal University of Akron	
Hemphill, Winona	Barberton
B. S. in Education, Ohio State University	
Knoske, Mildred Kathryn	Cuyahoga Falls
Kolbe, Lydia Voris	Akron
B. S. in Home Economics, Municipal University of Akron	
Krager, Lenore Ethel	Akron
A. B., Municipal University of Akron	
Kuenzli, Dorothy Sybil	Akron
A. B., Municipal University of Akron	
Masterson, Kathleen Marie	Akron
A. B., Municipal University of Akron	
Snyder, Catharine	Akron
A. B., Municipal University of Akron	
Suloff, John Langell	Akron
A. B., Municipal University of Akron	
Tucker, Alice Griffin	Akron
A. B., Municipal University of Akron	

Total 13—Men 2; Women 11

SENIOR CLASS

Austin, Ruth Hazel	Akron
Brown, Ruth Blanche	Akron
Brubaker, Irene	Akron
Cook, Adrial Vernon	Akron
Corl, Ralph Lee	Uniontown
Crankshaw, Esther Jane	Akron
Cunningham, Lillian	Akron
Davies, Helen	Cuyahoga Falls
Derer, Gustav	Akron
Frank, Clara Melissa	Barberton
Fynn, Robert	Akron
Gille, Grace	Akron
Griffiths, Mae Irene	Akron
Hayes, Lois Jeanette	Akron
Heiss, Bertha Helena	Medina
Jones, Edna	Akron
Jurgens, Leona	Akron
Kraus, Rose Mary	Akron
Leonhard, Gladys	Akron
Miller, Benjamin Sidney	Akron
Miller, Frank B.	Akron
Miller, Helen Mae	Akron
Mong, Harold	Barberton
Randall, Gahnelle Shaffer	Akron
Raynow, Ann Kathryn	Akron
Reed, Eunice	Pomeroy
Scherbarth, Ruth I.	Akron
Smith, Leona	Akron
Scott, John B.	Akron
Staver, Radna	Akron
Waltz, Alberta Elizabeth	Wadsworth
Williams, Laura	Akron
Zink, Margaret E.	Akron

Total 33—Men 8; Women 25

JUNIOR CLASS

Barber, Dorothea	Akron
Barrett, Dorothy	Akron
Berg, Bernhard	Davenport, Ia.
Braverman, Dora	Akron
Davidson, Dorothy	Akron
Ellis, Anna Jennie	Akron
Fulton, Margaret	Akron
Furbay, Nora	Akron
Hail, Margaret Tanner	Akron
Herbig, Welthea Margaret	Akron
Herman, L. Marguerite	Akron
Imbrie, Mary Edna	Akron
Kline, Dorothy E.	Akron
Lanigan, Dorothy C.	Barberton
Larson, Jennie	Akron
Mattingly, Ruth M.	Akron
Morar, Margaret	Akron
Orin, Pauline	Akron
Pomeroy, Velma M.	Akron
Quigley, Gwendolyn	Akron
Ritch, Angela	Akron
Rothschild, Frances Olga	Akron
Sarlson, Mary	Akron

Simmons, Dorothy	Akron
Smith, Jean P.	Akron
White, Richard E.	Akron
Winter, Fern	Akron
Wyant, Margaret Fay	Akron

Total 28—Men 3; Women 25

SOPHOMORE CLASS

Adams, Virginia Louise	Akron
Ault, Eva D.	Akron
Bailey, Catherine	Akron
Baumgartner, Almeda	Pandora
Beckwith, Katharine Virginia	Akron
Bourquin, Mary Elizabeth	E. Akron
Blackburn, Helen	Akron
Bunnell, John H.	Akron
Carson, Gertrude Snow	Akron
Chenot, Helen	Akron
Conway, Ruth	Akron
Cooper, Lois Genevieve	Akron
Cowles, Frances A.	Akron
DeHaven, Florence	Cuyahoga Falls
Dettling, Dorothy	Akron
Felber, Anna Marie	Akron
Friedman, Ruth H.	Akron
Hafner, Ethel	Akron
Horning, Irene	Akron
Jones, Theodore L.	Akron
Kaiser, Elizabeth	Akron
Kline, William Spencer	Akron
Koltnow, Rose	Akron
Kregenow, Ernest	Akron
Kuhnes, Daisy Melvin	Akron
Lang, Geraldine	Akron
Ley, Irma	New Philadelphia
Lieberman, Bessie	Akron
Lind, Pauline Celestia	Akron
Lybarger, Grace	Akron
McCahan, Vera	Akron
Marks, Eunice	Akron
Master, Lucile Edith	Akron
Mendelson, Jeanette Clara	Akron
Milford, Grace Arline	Akron
Miller, Frieda Elaine	Akron
Molyneux, Alice	Akron
Moore, Elnora	Akron
Nicodemus, Alberta	Akron, R. D.
Peters, Viola	Akron
Powell, Martin David	Akron
Powers, Emma Doolittle	Cuyahoga Falls
Pritchard, Esterbell	Akron
Raley, Ruth	Akron
Rausch, Jeanette Elizabeth	Akron
Reece, Jane	Akron
Reemsnyder, Eva	Cuyahoga Falls
Redinger, Catherine Jeanette	Akron
Replogle, Ward	Archbold
Reynolds, Mabel	Akron
Robison, Charles Ewing	Akron
Ross, Alice	Barberton

Sarbinsky, Anne	Akron
Schueneman, Martha	Akron
Seiler, Francis B.	Akron
Smyers, Arveta	Akron
Sparhawk, Evelyn Lucy	Akron
Stoley, Leonora Mary	Akron
Tapper, Rose	Akron
Thourot, Grace	Akron
Tubaugh, Dorothy	Akron
Van Nostran, Myron	Canton
Vredenburg, Verena	Akron
Wagner, Ethel	Akron
Wargo, Frank	Akron
Welton, Lois Lucille	Cuyahoga Falls
Wilkinson, Ruth	Akron
Wilson, Mary Ellen	Akron
Wilson, Margaret Isabella	Akron
Wolfe, Lillian	Akron
Wyle, John J.	Akron

Total 71—Men 9; Women 62

FRESHMAN CLASS

Barber, Emma Fern	Akron
Barber, Ethelyn May	Akron
Barker, Russell	Akron
Beck, Mary Kathryn	Akron
Berry, Willard James	Akron
Boylan, Lucile	Akron
Brenner, Lillian Eleanor	Akron
Brensinger, Fern	Akron
Brown, Nettie	Medina
Chapman, Erie	Elyria
Connell, Ruth Evelyn	Akron
Conrath, Louise	Akron
Crankshaw, Ruth	Akron
Crano, Rose Martha	Akron
Daily, Roy Thomas	Greentown
Davis, Edward N.	Akron
Diener, Stella Marie	Akron
Donovan, Sadie	Akron
Edwards, Mayme	Akron
Fairbanks, Helen Alma	Akron
Fichter, Helen	Akron
Friedman, Ann	Akron
Gaube, Walter	Akron
Hackett, Elizabeth Ellen	Akron
Haines, Eleanor Margaret	Akron
Harris, Freda May	Akron
Harris, Helen	Kenmore
Hill, Florence	Akron
Holman, Neva F.	Akron
Holub, R. Freda	Akron
Housel, Mildred	Akron
Hudson, Marguerite A.	Springfield Twp.
Huffman, Raymond	Stryker
Kelly, Hannah Almira	Galion
Krengel, Harry Mac	Akron
Lambert, Thelma Marie	Akron
Lebold, Ellen	Akron
Lipps, Walter Conrad	Akron

REGISTER

Little, Marian Arlene	Akron
McCormick, Enid Dean	Akron
McCowan, Mary Ellen	Akron
McLaney, Sara Mae	Akron
Mann, Angelena R.	Akron
Marquis, Ada	Akron
Martin, Mildred Lucille	Barberton
Maxwell, Iona Fay	Akron
Mowrer, Kathryn	Akron
O'Carroll, Elizabeth Grace	Akron
Parr, Viola	Everett
Pembroke, Beatrice Mary	Mt. Vernon
Pierson, Margaret Belle	Akron
Randall, Lucetta Rebecca	Akron
Richards, Elizabeth Margaret	Akron
Rimer, Philip E.	Kenmore
Royce, Marcia Eleanor	Akron
Royer, Madalene	East Akron
Ruch, Mary E.	Akron
Schlitt, Freda Elizabeth	Akron
Schrank, Edna Marie	Akron
Scott, Gladys Marie	Akron
Shaffer, Marie Beulah,	Akron
Shaw, Marie	Akron
Sirdefield, Violet	Akron
Southwick, Ellen Marie	Akron
Strong, Millard	Stryker
Sullivan, Helen Janet	Akron
Sullivan, William Leo	Akron
Thatcher, Katherine Mary	Akron
Tubaugh, Alice Janet	Akron
Walker, Muriel Hughes	Springfield Twp.
Warner, Helen Martha	Akron
Whelan, Loretta Gertrude	Akron
Windisch, Eva Pauline	Clinton
Wine, Rose	Akron
Wright, Earl	Akron
Wright, Helen	Akron

Total 76—Men 12; Women 64

IRREGULAR STUDENTS

Brensinger, Constance	Akron
Kleckner, Marion B.	Akron
Ricker, Lawrence D.	Mansfield
Wetzel, George	Akron

Total 4—Men 3; Women 1

SPECIAL STUDENTS

Barnhardt, Jane S.	Akron
Blumenstein, Rose	Akron
Chase, Ellen Virginia	Akron
Johnson, Helen	Akron
Mead, Irene	Paulding
Roberts, Park Leroy	Akron

Total 6—Men 1; Women 5

SUMMARY OF STUDENTS IN DAY CLASSES

BUCHTEL COLLEGE OF LIBERAL ARTS

	Men	Women	Total
Graduate Students	5	16	21
Seniors	39	36	75
Juniors	42	28	70
Sophomores	71	45	116
Freshmen	111	64	175
Irregulars	22	14	36
Specials	10	16	26
	<hr/>	<hr/>	<hr/>
	300	219	519

COLLEGE OF ENGINEERING AND COMMERCE

	Men	Women	Total
Graduate Students	1		1
Seniors	22	1	23
Juniors	34	3	37
Pre-Juniors	26		26
Sophomores	47	6	53
Freshmen	114	6	120
Irregulars	13	1	14
Specials	15	1	16
	<hr/>	<hr/>	<hr/>
	272	18	290

Engineering Students 175; Commerce Students 115.

CURTIS SCHOOL OF HOME ECONOMICS

	Women	Total
Seniors	9	9
Juniors	11	11
Sophomores	12	12
Freshmen	7	7
Irregulars	2	2
Specials	2	2
	<hr/>	<hr/>
	43	43

TEACHERS COLLEGE

	Men	Women	Total
Graduate Students	2	11	13
Seniors	8	25	33
Juniors	3	25	28
Sophomores	9	62	71
Freshmen	12	64	76
Irregulars	3	1	4
Specials	1	5	6
	<hr/>	<hr/>	<hr/>
	38	193	231

EVENING SESSION

Cora Abbott
 Irene Abendshine
 Clarence E. Achberger
 Ruth V. Ackley
 James D. Aderhold
 Rosamond Agniel
 Althea F. Albrecht
 Rosanna B. Alexander
 Albert J. Allard
 Margaret Allen
 Scott A. Allison
 Sidney Altschuler
 Jennie Amos
 Bertha M. Anderson
 Besse Anderson
 Guffey H. Arters
 E. D. Ashley
 Edna F. Atkinson
 Hazel Austin
 E. C. Auten
 Ethlyn Auten
 Bessie Avramore
 Mrs. Gertrude Baechtal
 Richard Bailey
 Dorothy Baldwin
 Elizabeth Baldwin
 George H. Ball
 Irby S. Ballard
 Richard Ballere
 Mary Baus
 Mabel Barber
 Freda M. Barger
 Mabel Barnes
 Jane S. Barnhardt
 Winona Barnhardt
 Anna M. Batcheldor
 Maude Baughin
 Mrs. I. Baumgardner
 Florence H. Baughman
 Emma Beck
 Harold D. Becker
 Katharine Beckwith
 Alta Bedell
 Raymond J. Beechiner
 Dona A. Belden
 Hadassah Belenky
 Bruzella C. Bell
 Joyce Bennett
 Roy Bennett
 Leo H. Bender
 John N. Bergh
 Forrest W. Berry
 Willard W. Berry
 Albert P. Bey
 Matilda Billiods
 Sylvia Bingham
 Walter M. Bishop
 Alene Blackburn
 Gilbert Blanguart
 Estelle M. Blake
 Hazel M. Blake
 Violet T. Blazer
 Leonard A. Blevins
 Cora V. Bockstahler
 Virgil H. Bodie
 Howard Boedicker
 Ray Bohl
 Elizabeth Bojo
 Margaret Bolenz
 William Bolka
 E. P. Bonazzi
 Jesse H. Bond
 Glenn L. Boots
 Mabel Boss
 Lida A. Botzum
 Mabelle E. Bowden
 Achsah Bowen
 Charles P. Bowdle
 Reta B. Bowdle
 Orpha Bower
 W. D. Bowling
 Dorothy M. Boylan
 Isabelle R. Boylston
 Ruth J. Bradley
 Eloise Braley
 Charles L. Brasaemele
 Frank Brasaemele
 Ethel L. Brecht
 C. E. Brewbaker
 Mrs. Ruth Brice
 Frances B. Bricker
 Jessie Bridgewater
 Carl T. Britton
 Emma Broach
 George P. Brode
 Vernice L. Brode
 Adaline G. Brown
 Rilla M. Bruederlein
 George L. Bruggemeier
 Walter Bruggemeier
 Lila R. Buchtel
 John Bunnell
 L. M. Burch
 Frances Burgoon
 Esther S. Burrell
 Barbara E. Bushneell
 James P. Butcher
 Charles E. Butcher
 Marcus T. Byers
 Virgil J. Byers
 Rena N. Cable
 Elsie Cady
 Emma V. Caldwell
 Edgar L. Callahan
 Harriet T. Callow
 Catherine Calnon
 Irene Calnon
 Ruth Calvin
 Ruth Camehl
 Elizabeth Camp
 Mabebele J. Campbell
 Emma B. Cannon
 Jennie H. Cardarelli
 Leslie A. Careins
 Frank Carman
 I. S. Carman
 Frances Carothers
 Leota L. Carpenter
 Elbert A. Carruth
 Helen V. Carson
 Olive G. Carson
 Jewel Casselberry
 Hattie Caudill
 Myrtle W. Caves
 Glenn P. Cehrs
 Edith Cervenka
 Millie Chabondy
 Gladys D. Chalfant
 Georgia E. Chamberlain
 Gladys Chamberlain
 Ruth Chapel
 Agnes R. Childs
 F. A. Chittenden
 Lillian Christenson
 Gertrude Clark
 E. M. Clemenson
 William D. Clendenin
 George W. Clinton
 Dora Cohen
 Zelda Cohen
 Edith I. Cole
 Mrs. Ruth Coleman
 H. C. Colley
 B. Vynita Collier
 George D. Conklin
 Mattie Conklin
 Thomas Conley
 George D. Conley
 Adrial V. Cook
 Helen Cooley
 Benjamin F. Cooper
 Mrs. Martha Cooper
 Helen M. Corl
 Fannie Corman
 Herman Cover
 Lester Cowan
 Francis H. Cox
 Edna Cramer
 Dorothy M. Crane
 Harold G. Crankshaw
 Cecilia Cranz
 Floyd R. Crawford
 Howard B. Crawford
 M. Lee Crawford
 Gordon R. Crichton
 Lola L. Crites
 William R. Crocker
 Nellie E. Croft
 Matthew C. Crotty
 Bertha D. Crowe
 Jesse E. Crum
 Vernon S. Culp
 Bessie F. Curiman
 Mildred H. Curry
 Mrs. Ethel Cuthbert
 Thomas E. Cutler
 Florence Danforth
 B. H. Darst
 George Daugherty
 Agnes I. Davidson
 Allan M. Davis
 Florence E. Davis
 Margaret Davis
 Vernon F. Davis
 Ruth F. Dawson
 Gertrude Day
 Frances M. Deck
 Benjamin DeGeorge
 Mildred Denison
 Murl I. Denning
 Gustav Derer
 Dorothea Derrig
 Ernest Desett
 Milo Detweiler
 Eliza J. Dewar
 C. P. Dietrich
 John E. Dietrich
 Albert J. Dillehay
 Goldie M. Diller
 Celia M. Dimmette
 Charles L. Dimmette
 Mabel Dineen
 James A. Dittimore
 Clara R. Donaldson
 Harry Donnelly
 Sadie Donovan
 Mrs. May L. Dorman
 Francis M. Dougherty
 John M. Dougherty
 John D. Douglas
 William A. Drexler
 Wilma Duffield
 Mrs. Jeffie Durkins
 Emma Dunn
 Frank C. Easton
 Helen K. Ebbert
 Elizabeth Eckleberry
 Lloyd L. Ecrement
 Martha Effinger
 Charles Egbert
 Florence Ehrhardt
 Odin P. Eichelberger
 Walter M. Eichner
 Elizabeth Eisel
 Lucy M. Ekelberry
 Emilie O. Elliott
 Mervin J. Elliott
 Maude Elton

John M. Emde
 Laura Emde
 Edna English
 Alice M. Ernst
 Olive Ernst
 Marguerite R. Erspringer
 Berchal Ervin
 Lillian G. Ervin
 Harold H. Ething
 Doris M. Evans
 Evelyn Evans
 Mrs. Cora E. Everson
 William Evkovich
 Mary Fackler
 Alphonse E. Falardeau
 Alvira Farr
 Ethel Farver
 Warren L. Farver
 Mary C. Fasnacht
 Lois Fellows
 Esther M. Felmly
 Hazel Fernsner
 Karl Fickes
 Alice Fiegly
 Norma P. Fiers
 Winifred Fitch
 Pearl Fitterman
 Julia A. Fitzpatrick
 Graham Flanick
 Harold L. Flanick
 Mary V. Flanigan
 Eldora H. Flint
 Esger B. Foltz
 Frank O. Fornecker
 Helen Fornecker
 Russell L. Fouse
 Walter M. Foux
 Alice Frase
 Mabel Frase
 R. L. Frase
 Arthur Freeder
 Edward Frey
 Karl R. Fritz
 John A. Froebe
 Alma V. Frost
 Ida G. Fry
 Mary Fuller
 May L. Fuller
 Millard Fuller
 Richard W. Fullerton
 James W. Funk
 Hazel V. Gable
 Winfield J. Gaffney
 William A. Gardner
 Manuel V. Garfield
 Ray Garner
 Willard K. Garver
 F. C. Gates
 R. S. Gates
 G. C. Geisinger
 Blanche George
 Henry J. Gerhart
 Arthur H. German
 James Gerson
 Florence Gibson
 Rose M. Gilbride
 Ida J. Gilchrist
 Louis Gintz
 Rachel M. Giroux
 Neonett Gladwin
 Minnie E. Glasgow
 Violet E. Glass
 Frank S. Goehring
 Julia Gordon
 Frank B. Gracey
 Luella Graham
 Claudia V. Grant
 Frank D. Grant
 Olive Graves
 Alice L. Green
 Stephen J. Griggs
 Mary L. Grimm

Florence Gross
 Ellen A. Haas
 Maude M. Hadfield
 Carl Hagans
 Watler L. Hall
 William C. Hall
 Dorothy G. Hallinan
 Frank J. Hammeral
 P. G. Hampp
 Jessie M. Hanks
 Percy Hansen
 Miriam Hanson
 George L. Harding
 John L. Harding
 Halcyon O. Harper
 Robert H. Harper
 Mrs. M. Hart
 Grace M. Hartong
 C. E. Hartschuh
 Mr. H. A. Hartz
 Gertrude Hatfield
 Laura N. Hauck
 Margaret H. Haynes
 Ralph C. Hedden
 Gladys F. Heim
 Bertha M. Heiss
 Edith Hensel
 Catherine Hennigan
 Howard Henry
 Ida Henry
 Winona Hemphill
 Mary Herbert
 Catherine Herman
 Ford Herman
 Lynn J. Herron
 Marguerite M. Herz
 Harrison A. Heskett
 Lucille Hewlett
 Gladys B. Heyman
 Harold A. Hiatt
 Mary C. Hibbard
 Ruth Hickox
 Charles E. Hilbish
 Alma F. Hill
 Clarence F. Hill
 Mrs. Amy Hillock
 Gladys E. Hindman
 Winifred Hine
 E. G. Hinkle
 Gladys Hinmon
 Josephine Hinsdale
 Harriet S. Hipkins
 Elizabeth S. Hobson
 Nathan E. Hodges
 Grace Hodson
 George Hoffman
 Lela E. Hoffman
 Lela Hoffman
 Earl W. Holcombe
 Ruby M. Holcomb
 Frieda D. Hollingsworth
 Harold L. Hooker
 Jeanette Holloway
 C. L. Honeywell
 H. Richard Hooper
 Frances Hoover
 Leone M. Horning
 Mrs. R. K. Hoskins
 Mary Hosler
 Edgar M. Houk
 Bess Householder
 George F. Houston
 Nelson Hovey
 Fanchon S. Howard
 Harry C. Howard
 Ivan E. Hudson
 Merle M. Huff
 Kenneth R. Huffman
 Matilda Hugg
 Cleo W. Hull
 Barbara E. Hummel
 E. H. Hummel

Sarah J. Hurd
 Genevieve L. Huren
 Frank H. Hurless
 Mary E. Imbrie
 Grace E. Ion
 William J. Irwin
 Alfred L. Isenman
 Hetty Jackson
 Homer J. Jackson
 Ray D. Jackson
 Berkley Jenkins
 Elsie H. Jewell
 Alice G. Johnson
 Andrew Johnson
 Anna Johnson
 Winnefred M. Johnson
 Mrs. Jean P. Johnston
 Lillian J. Jones
 Raymond H. Jones
 Robert B. Jones
 Rupert Jones
 Thomas R. Jones
 Adeline Jordan
 Mary A. Joseph
 Otto Kalthoff
 Daniel W. Kaufman
 Ezra Kaufmann
 Olive Keck
 Rhoda B. Keenan
 Ruth S. Keifer
 Winifred Keirn
 J. F. Kemmerline
 Carolyn E. Kempel
 Irvin E. Kern
 J. Walter Kester
 Ruth C. Kilburn
 Stella B. Kime
 J. W. Kinney
 Frederick C. Kincaid
 Irving King
 George C. Kissinger
 Anne M. Klein
 R. A. Klein
 Dorothy Anne Kline
 Dorothy Kline
 Dave Klocker
 Ray W. Knowles
 William F. Koerschner
 Mary Koontz
 William H. Kopf
 Fred W. Kottke
 Alice B. Kraus
 John J. Kraus
 Mary Kraus
 Paul Kraus
 Dwight A. Krause
 Frank Krause
 Florence M. Kubach
 Fred W. Krebs
 Albert C. Krokland
 Daisy M. Kuhnes
 Albert D. Kuntz
 Roy A. Kuntzleman
 L. F. Kyser
 Dwight H. Ladd
 Willett D. LaDue
 Wilfred S. Lake
 Inez C. Lane
 Esther Lang
 William H. Lang
 Helen C. Lapisch
 Antonette Larson
 Bernice W. Lauer
 Margaret L. Lauer
 Ray E. Lautschlayer
 Wanda Lambaugh
 Ellen F. Lawler
 Mortimer Leggett
 Beulah E. Lehr
 Hazel R. Lemmler

Robert B. Lewis
 Irma Ley
 Dale Lininger
 J. B. Littman
 Bessie Lizawetsky
 George F. Lockman
 Bessie Loft
 Angela Loftus
 James Loftus
 Ethel F. Lotze
 Marcia Lowell
 Flavins E. Loudy
 Mae Ludwig
 Audrey M. Lumpe
 Alfred C. Lutz
 Charles Lympany
 Harry M. Lytle
 Helen M. McAcy
 Alice N. McArton
 Gertrude McBee
 Betty McBride
 Jessie McCance
 Mary E. McCormick
 Foster L. McCoy
 Beulah L. McCullough
 Belle A. MacDonald
 Rose McDonald
 Pearl McDonough
 John T. McDougall
 Anna E. McDowell
 K. W. McDowell
 Marion B. McFadden
 Edna I. McGinness
 C. J. McGraw
 Amos L. McHugh
 William McIntosh
 William S. MacKenzie
 Jessie McKinnon
 Agnes C. McMorrow
 Fannie M. McQuie
 E. Roy McVay
 Mabel B. Mace
 Lillian Madden
 Bertha Maier
 Ruth Manziona
 Gertrude F. Manchester
 Mabel M. March
 Benj. H. Marks
 Cecile Marshall
 Franklin Marshall
 Edith Martin
 Rose Martin
 James L. Maske
 James B. Maxwell
 B. K. Means
 J. Fred Mearrig
 Ruth Meier
 H. G. Melonas
 Elizabeth Mercer
 Luigi Merlitti
 Charlie A. Merrill
 Clyde Merryweather
 Wm. M. Mettler
 John R. Metz
 Gertrude Meyer
 Lawrence B. Meyers
 Marie Michaels
 Louis F. Miletta
 H. G. Milonas
 Betty Miller
 Sidney B. Miller
 Emma E. Miller
 Ethel Miller
 Arlene F. Miller
 Frank B. Miller
 Gertrude Miller
 Harriet E. Miller
 Marie E. Miller
 Wm. C. Millikin
 Kathleen I. Mills
 R. E. Moats
 Eleanor G. Moeller
 Adelle S. Moffitt
 Harold S. Mong
 Rebecca J. Mong
 Charles E. Montgomery
 Mrs. A. Moody
 Sara M. Mooney
 Alice Moore
 Florence Moore
 Lena Moore
 Maude E. Moore
 Alta T. Moorehead
 Herbert Morgan
 Cecelia K. Morris
 Vera I. Morris
 Janet Morrison
 Ann L. Morrow
 Frank I. Morse
 Rose Mosholder
 Harold F. Mosher
 R. E. Motz
 Jessie Muir
 Gertrude Munn
 Ionel Munteanu
 Dwight N. Musson
 Harley C. Myers
 Mary E. Myers
 Paul I. Myers
 Ralph J. Myers
 Richard C. Nall
 Virginia C. Nash
 Jacob V. Naugle
 Edith L. Neal
 Ruth E. Neiswanger
 Robert G. Nelson
 Willis L. Neuenschwander
 Mareta Newbauer
 Edna M. Newman
 William F. Newman
 Arthur P. Newman
 Leo D. Newman
 Villa C. Newell
 Dora P. Nichols
 Levi C. Noakes
 James D. Oatts
 Marie O'Brien
 Lenora O'Day
 Bernice Olmsted
 Pauline Orin
 G. D. Osborn
 Katherine O'Toole
 Ralph Overholt
 Esther H. Owen
 Isabel K. Pack
 Dwight Packard
 Russell L. Packard
 Roscoe M. Palmer
 Fletcher L. Parham
 Anna F. Parker
 Fern Parker
 Walter J. Parsons
 Inez Parshall
 Sadie Patton
 Zorka Pavlov
 Gertrude Pearce
 Blanche M. Pease
 Ralph Perry
 Mahala Pees
 Elsie L. Perry
 Elma M. Peterson
 Eva M. Peterson
 Rhea G. Pfaff
 Bessie Pfeiffe
 Mary W. Phelps
 Katie Phillip
 Guilford F. Piatt
 H. C. Piehl
 Bertha M. Piper
 Grace A. Pitkin
 John M. Pittinger
 Marguerite Place
 Mary M. Plane
 Paul B. Plant
 Elizabeth K. Pleasants
 Anson A. Plum
 Helen F. Poe
 Florence E. Points
 Richard M. Polsky
 Norman Pomeroy
 Ruth Pomeroy
 Helen M. Pond
 Gladys Pontius
 Irene T. Poole
 Florence Porter
 Stella L. Potschner
 Esther H. Prentiss
 W. F. Pressler
 John A. Pribble
 Margaret M. Prior
 L. O. Pryor
 Lottie M. Purdy
 Steve Purigroski
 Ben F. Pyers
 Bessie Pyers
 Forrest J. Pyle
 Ralph E. Quick
 Bennett B. Quillen
 John J. Quillen Jr.
 Glenna Rabe
 Melissa Ralson
 Gahnelle S. Randall
 Louise Randolph
 Gladys E. Rasor
 Richard L. Rath
 Susie Raub
 Frank E. Ream
 Harry Reed
 Edith Reed
 Margaret Reed
 Olive D. Reed
 Walter W. Reed
 Lule B. Reeves
 Emma Reilly
 Victor C. Reinhart
 William W. Rentschler
 Percy Renwick
 Grant R. Rex
 Joseph A. Reyman
 Herman C. Reynolds
 Harold G. Rhodes
 Edna J. Rial
 Carl A. Rich
 Grace J. Richardson
 Mrs. Harold Riehl
 Walter R. Riel
 P. E. Rielly
 Alfred Ries
 Earl R. Ripley
 E. S. Rist
 Emma Ritari
 William F. Ritter
 Ruth Robbins
 E. L. Roberts
 Mary C. Roberts
 Mildred Roberts
 Helen F. Robinson
 Irma A. Robinson
 Margaret Robinson
 Helen Roderick
 Lucretia B. Romig
 Margaret L. Rook
 Robert L. Roose
 Rebecca Rosenthal
 Freda R. Rovin
 Elden H. Ruch
 Ray W. Ruch
 John C. Ruedi
 Robert H. Rumbaugh
 William Rumbaugh
 Rebecca Rumsey
 Robert W. Ryan
 Kathryn C. Saal
 Mary E. Saal
 Margaret Sanderson

Margaret Sanford
 Nora Santrock
 Baldwin Santom
 Bertha Sapp
 Howard A. Sargent
 Almon E. Sauder
 Harold Savinsky
 John C. Schaefer
 Ruth Schaenzlin
 Dolores Schafer
 Gertrude Scheible
 Charles Schieb
 Katherine Schlayer
 Gertrude M. Schmiegl
 Ruth I. Scherbarth
 Dorothy Schoemaker
 Barbara Schneider
 Harry N. Schrady
 Mary K. Schultz
 Gerald F. Schutz
 Harlan A. Schwab
 Carl H. Schwartz
 Agnes Schwendeman
 E. A. Schwinn
 Florence Scollard
 Margaret Scollard
 James R. Seaton
 M. K. Seeds
 William A. Seib
 Florence Selby
 Hazel B. Sellers
 O. E. Sellers
 William M. Sexauer
 Ruth W. Seymour
 Etea M. Shade
 Clifton R. Shaeffer
 Elsa H. Shafer
 Ralph N. Shafer
 J. M. Shaffer
 Dorothy D. Shank
 Helen Shank
 Mrs. Lulu S. Shannon
 Nelle C. Sharpe
 Henry K. Shaw
 Louis Sheinin
 Thomas Shepherd
 Maude M. Shetler
 Hazel Shidake
 Edith F. Shields
 M. A. Shook
 Nan G. Shifflette
 Margaret G. Showalter
 Ward W. Shults
 Mary Shuman
 Evelyn Sills
 Beatrice E. Singer
 Clarence C. Simmons
 Adah A. Smetts
 Arthur J. Smith
 Chester F. Smith
 Florence M. Smith
 Harry A. Smith
 Jessie Smith
 Katharine E. Smith
 Leona E. Smith
 Wave Smith
 William A. Smith
 Albert J. Snearline
 Alton M. Snipes
 Clark M. Snyder
 Nellie Snyder
 C. W. Somers
 Lawrence Sorensen
 Beryl Spafford
 Oakley Spaght
 P. R. Spence
 Harold H. Spengler
 Mary Spore
 Minnie Spuller

Blanche Stall
 Evert C. Stahl
 Rose Stanger
 Boyd Stauffer
 Harold A. Stauffer
 Isabel Stauffer
 R. Bertha Steckhan
 Charlotte E. Steckhan
 Elizabeth C. Stein
 Homer J. Steiner
 Ariel Steitz
 Paul Stevens
 Earl Stewart
 Wayne Stewart
 Minnie R. Stengel
 Emma Stockman
 Frank O. Stoner
 Adaline M. Storts
 Gross H. Stover
 Ronald Stranathan
 Aileen Struthers
 Olive Stubbins
 John Stubbs
 Elmer Stubbs
 Carl M. Stump
 Kathryn L. Stump
 Maynard Stump
 Marnette Sullivan
 John L. Suloff
 Elizabeth Sumner
 Evfin Suechik
 Ida Sutherland
 Sue Sutherland
 Edward Swartz
 H. D. Swartzel
 Mrs. Happy Switzer
 George R. Taylor
 J. Arthur Test
 Blanche Thomas
 Esmond Thomas
 Harold I. Thomas
 Pauline K. Thomas
 Richard J. Thomas
 Dorothy Thompson
 Mildred B. Thompson
 Homer Z. Thorn
 Mary G. Thourot
 Anna Tier
 Margaret Timmis
 Reid M. Tolan
 Mrs. Laura P. Trainor
 Mary G. Trainer
 Josephine Traverso
 Henry Treckman
 Marian E. Trescott
 Bessie D. Trew
 B. G. Trotman
 Marie Tubaugh
 Alice G. Tucker
 James H. Tucker
 Lewis C. Turner
 Queen M. Turner
 Lawrence M. Twyman
 Helen Upstill
 Anna N. Valsing
 Ralph M. VanBrimmer
 Clara Vandersall
 Harold Vanouse
 H. W. Vanouse
 Jos. D. Vaughan
 Mamie W. Veon
 J. H. Vermilya
 Clarence H. Vincent
 Helen Vollmer
 Rose Wachter
 Orrin Wagner
 Kenneth Wagstaff
 Fannie Walcott

Gladys Waldkirch
 Orin Wagner
 Dorothy O. Waldsmith
 Lois A. Waltz
 Ruth G. Waltz
 Charles E. Warner
 Florentina Warner
 William F. Warden
 Florence E. Warren
 Karl S. Warstler
 William Waters
 Lawrence B. Watson
 Elizabeth M. Weaver
 H. H. Weaver
 Esther M. Weber
 George F. Weber
 Avanella Webster
 Elsie Webster
 Thomas P. Webster
 Robert C. P. Weeks
 Allen L. Weisberger
 Ella Weiss
 Mattie E. Welch
 Mrs. G. F. Wells
 Tressa Welsh
 Dora Weltner
 Paul H. Wentink
 Myrtle M. Werntz
 Cora P. West
 Ruth E. Westfall
 Louis G. Whalen
 Hortense Whitbeck
 James E. White
 Ruth W. White
 Paul G. Whitmore
 Karol E. Whrynowoki
 Richard L. Wiener
 Charles Wilbum
 Margaret D. Wilcox
 Cleo B. Wiles
 Carl O. Williams
 Cora E. Williams
 Luella F. Williams
 Norma F. Williams
 Winifred Williams
 Howard O. Wills
 Ethel L. Wilson
 Howard G. Wilson
 Grace A. Wilson
 Rebecca Wilson
 Clement H. Wingard
 Margaret Winemiller
 Fern Winter
 Mary A. Wiper
 C. N. Wise
 Mabel Wise
 Dorothy Witthoef
 Margaret M. Wolcott
 Thomas B. Wood
 Benjamin R. Woodall
 Alva W. Woodward
 Louise J. Wright
 Margaret Wyant
 W. A. Yearick
 Olive Yeoman
 Chas. H. Yeager, Jr.
 Mabel I. Yonson
 Margaret E. Young
 Irene Yount
 Mary Zeis
 Herbert Zesiger
 E. E. Zimmerman
 John H. Zimmerman
 Ora F. Zimmerman
 Margaret E. Zink
 Ulrich R. Zivnuska
 Meta Zivnuska
 David B. Zook
 Samuel E. Zook

Total 963—Men 429; Women 534
 (including 176 students enrolled in other sessions)

1924 SUMMER SESSION

- Abbott, Cora H.
Ackley, Ruth V.
Adams, Malcolm B.
Aldridge, Agnes
Allen, Margaret J.
Amos, Jennie
Anderson, Bertha M. Mrs.
Ault, Eva D.
Auten, Emery C.
- Babb, Lois L.
Babcock, Ardis M. Mrs.
Babcock, Seymour H.
Baldwin, Mrs. Elizabeth
Barnhardt, Jane Sargent
Barnwell, Mrs. John C.
Barrett, Dorothy L.
Baughin, Maude
Behlmer, Flora
Beverly, Mase D.
Bialostocki, Saul
Blackburn, Alene
Boettler, Ferne K.
Bohl, Ray A.
Bolanz, Margaret
Bollinger, Moses F.
Boots, Glenn L.
Boss, Mabel
Bowden, Mabelle Edna
Bowdle, Charles P.
Braverman, Dora H.
Breitenbucher, Jacques
Bricker, Frances B.
Britton, Carl T.
Brode, Vernice L.
Brown, Ross C.
Brown, Ruth Blanch
Bunker, Kenneth C.
Burch, Leonard M.
Burket, Margaret
Burkhart, Mrs. Nellie K.
Burrell, Esther S.
- Cain, Frederick G.
Camp, Elizabeth
Cardarelli, Jennie
Caudill, Mildred
Chalfant, Gladys
Chamberlain, Gladys
Chamberlain, Georgia
Chenot, Helen
Chenot, Bertha
Chestnutt, Florence
Childs, Agnes R.
Cole, Elizabeth H.
Collier, Elizabeth H.
Conger, Elizabeth Laura
Conklin, Mattie V.
Conley, Allie H.
Conley, Margaret
Conner, Marian Helen
Constiner, Miriam
Cray, Edith Grace
Crist, Olive M.
Critchfield, Mrs. Lulu
Curfman, Bessie
- Danforth, Florence M.
Davies, Helen M.
Dawson, Ruth F.
Day, Gertrude E.
Dean, Mrs. Anna H.
Dean, Iva Puckett
DeLong, Sue K.
Dension, John M.
Derer, Gustav
Derrig, Dorothea
Diehl, Lottie N.
Dillehay, Albert J.
- Dimmette, Chas.
Donovan, Sadie
Dunford, Esther
Dunn, Annabel F.
Dunn, Emma
- Earle, Grace
Earle, Mabelle
Ebert, Cora
Ecrement, Lloyd L.
Egbert, Viola J.
Ellis, Anna J.
Ellis, Freda L.
Ervin, Berchal
Evans, Elva B.
- Farlin, Elizabeth M.
Fasnacht, Mary Christine
Fitzpatrick, Thomas
Flohr, Mabel C.
Forsyth, Eleanor N.
Fouse, Russell L.
Foust, Edith T.
Frale, William Albert
Frase, Alice
Fuller, May L.
- Gibbon, Ellen L.
Gille, Grace M.
Giroux, Mrs. Rachel
Glass, Violet Elizabeth
Green, Alice Lucy
Grim, Henry Earl
Groom, Maynard Harold
- Hackett, Paul
Hadfield, Maude M.
Hafner, Ethel
Hahn, Agnes E.
Hanawalt, Virginia
Hancock, Mrs. Helen A.
Harper, Mrs. Dora N.
Harpham, Louise M.
Harris, Orpha Elizabeth
Hart, Mrs. Mary
Harter, Mildred Ester
Hassenflue, Dorothy
Hassenflue, Marjory
Hassenflue, Mary Jane
Heckler, M. Howard
Heiss, Bertha H.
Hendershot, Mrs. Belle B.
Hennigan, Catherine
Henry, Pauline
Herrick, Robert
Hert, Fanny W.
Hill, Clarence F.
Hillock, Mrs. Amy
Hippkins, Harriet S.
Hodson, Grace M.
Hoffman, Lela Esther
Hollingsworth, Mrs. Frieda
Holloway, Jeanette
Honeywell, Nina
Hooper, Grace Elizabeth
Hoover, Frances
Horning, Leone
Hosler, Mary
Householder, Bess
Houser, Mildred
Housman, Meta
Hunsberger, Willard D.
Hurwitz, Simon
- Imbrie, Mary Edna
Ion, Grace E.
- Jackson, Ali H.
Jackson, Carola
- Jackson, Ruth
Jellison, Horace M.
Jenkins, Berkley
Jones, Edna
Joy, Laura Ellen
- Kanagy, Celia M.
Keck, Isa
Keeler, Bertsyl O.
Keifer, Ruth L.
Kempel, Ernest J.
Kilburn, C. Ruth
Kime, B. Stella
Kirk, Georgiana
Kniffin, Hazen G.
Knoske, Mildred
Koontz, Willard B.
Kraeger, Leonore
Kraus, Rose Mary
Krichbaum, George, Jr.
Krotzer, Walter F.
Kubach, Florence Marie
Kuenzli, Dorothy S.
Kuhnes, Daisy M.
Kunkel, Goldo
- Lake, Esther Irene
Lake, Wilfred Stanley
Lane, Inez Cora
Lanigan, Dorothy C.
Larson, Jennie
Laumann, Paul H.
Leeper, Laura A.
Lemmler, Hazel Ruth
Leonhard, Gladys
Lewis, Margaret
Ley, Irma
Lieuellen, Mrs. Armetha
Littman, Samuel Harry
Lizawetsky, Bessie
Lynn, Ruby Faye
- McCormick, Mary E.
McCoy, States D.
McDonald, Rose Ellen
McDowell, Anna E.
McFarlin, Edna
McKelvey, Augusta B.
McShaffrey, Regina
MacKinnon, John G.
- Maider, Martha
March, Mabel M.
Marks, Olga Eunice
Masterson, Kathleen
Mattingly, Ruth
Mearig, John Fred
Meyer, August F.
Milar, Robert Fulton
Miller, B. Sidney
Miller, Emma E. P.
Miller, Frank B.
Miller, Marie E.
Miller, Miriam
Miller, Nellie
Miller, Phillip S.
Mishler, Florence
Moeller, Eleanor G.
Moeller, Zella Ruth
Moffitt, Adelle
Mong, Harold
Moore, Alice F.
Moore, Florence D.
Moore, Lena
Moore, Ruth I.
Morar, Margaret
Morgan, Ben H.
Morrison, Janet
Morrow, Anna L.

Myers, Cora B.
Myers, Mary E.
Neal, Edith L.
Newbauer, Mareta
Neuenschwander, Clyde
Oldham, R. E.
Olmsted, Bernice
Olmsted, Eleanor L.
Orin, Pauline
Otis, Marie L.
Parker, Anna F.
Parker, Fern
Parker, Harriet J.
Patterson, Nancy C.
Peterson, Eva Marie
Pfahl, Helen A.
Pittenger, Julia E.
Pollock, Kathleen
Poole, Mrs. Irene T.
Ports, Ruth
Prior, Margaret M.
Proehl, Florence B.
Pyers, Bessie
Quaintance, Elsie
Rabe, Glenna
Raison, Malissa
Randall, Gahnelle S.
Raynow, Ann K.
Reed, Edith
Reemsynder, Eva
Richard, Mrs. Alice M.
Rimer, Robert H.
Ritch, Angela Estelle
Roberts, Grace
Roberts, Mildred
Robinson, Irma Adele
Robinson, Margaret
Rockwell, Robert H.
Rodenbaugh, Fred H.
Roetzel, Marie J.
Romig, Lucretia Blanche
Ross, Alice Isabelle
Ruch, Elden H.

Rylander, Martha O.
Saal, Mary Elizabeth
Sapp, Celia E.
Sarison, Mary
Schaefer, Grace L.
Schaezlin, Ruth E.
Scherbarth, Ruth Irene
Schmehl, Irma
Schmidt, Bruno H.
Schmidt, Luella
Schultz, Clara
Seindler, Clara E.
Sellers, Hazel Belle
Severance, Ruth
Shade, Etta M.
Shaffer, Harry J.
Shank, Dorothy D.
Shea, D. Eunice
Shepard, Jessie M.
Shorder, Donna E.
Shull, Shirley W.
Simcox, Lorna M.
Simmons, Dorothy
Simpson, William C.
Skinner, Charlotte B.
Smetts, Adah
Smith, Amelia K.
Smith, Jessie Grace
Smith, Leona E.
Smith, Mildred P.
Smyers, John Milo
Snearlina, Albert J.
Snow, Mrs. Glenna H.
Snyder, Clark M.
Snyder, Mrs. Corinne M.
Snyder, Marie L.
Snyder, Mrs. Nellie
Spanton, Margaret
Sparkawk, Evelyn Lucy
Stahl, Carl E.
Stayer, Radna L.
Stein, Elizabeth Clark
Stilwell, Clair E.
Stone, Walter Leroy
Suhadolink, Edward L.

Sutherland, Ida
Switzer, Mrs. Happy M.

Thourot, Mary Grace
Tobin, Katherine
Trainor, Mrs. Laura P.
Trew, Bessie Duff
Turner, Queen M.
Twyman, Hattie

Vining, H. Mae
Voris, Marion

Wade, Franklin Alton
Wagner, Orrin
Walcott, Fannie
Waldsmith, Quinlan Dorothy
Warstler, Mrs. Elva B.
Webster, Elsie
Wentink, Paul Herbert
White, Alice Ann
White, Ruth
Wilcox, Mary Virginia
Williams, Frank Curtis
Williams, Laura
Williams, Winifred Alice
Wilson, Ethel L.
Wilson, Margaret Isabella
Winer, Sylvia R.
Winn, Meredith
Winter, Fern
Witthoef, Dorothy
Wolcott, Margaret M.
Woodward, Lena May
Wright, Mary V.
Wyant, Margaret Fay

Yarger, Ethel
Young, Randall Blair
Yount, Irene
Yount, Lenore

Zeis, Mary
Zerbe, M. Elizabeth
Zickefoose, Cecil H.
Zockine, Susann Winifred

Total 352—Men 76; Women 276

(including 88 duplicates)

SUMMARY OF ALL STUDENTS IN THE UNIVERSITY

	Men	Women	Total
Graduate Students	8	27	35 *
Seniors	69	71	140
Juniors	79	67	146
Pre-Juniors	26		26
Sophomores	127	125	252
Freshmen	237	141	378 *
Irregulars	38	18	56
Specials	26	24	50
<hr/>			
Gross total in Day Classes.....	610	473	1083
Counted twice	7	8	15
<hr/>			
	603	465	1068
Total Evening Session		963	
Total Summer Session, 1924		352	
<hr/>			
		1315	
Less duplicates		264	
<hr/>			
		1051	
Enrolled in Extension Classes (held off the campus)			33
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Total net enrollment, 1924-1925			2152
Total net enrollment, reduced to full-time student basis, evaluating five part-time students as equivalent to one full-time student.....			1284

DEGREES CONFERRED, JUNE 18, 1924

BACHELOR OF ARTS

Jacques R. Breitenbucher	France
Albert J. Brewster, Jr.	Akron
Ross C. Brown	Akron
Beatrice Marie Caspari	Akron
Elizabeth Helen Cole	Norwalk
*Wesley S. Evans	Akron
Eulalia Frampton	Akron
Caroline L. Moore Froebe	Akron
Rhea Beyerle Grimm	Akron
Dora Nice Harper	Kenmore
Esther Ada Hollingsworth	Akron
Harris William Holsinger	Akron
Schuyler William Hunt	Akron

*Honor Course student in Political Science: Thesis, "Motion Picture Legislation."

Florence Edna Kneale	Akron
Mildred Kathryn Knoske	Cuyahoga Falls
Lenore Krager	Akron
Edwin L. Kregenow	Akron
Dorothy Sybil Kuenzli	Akron
Mac Dennis Long	Akron
Eva Richards Macrory	Akron
Kathleen Masterson	Akron
Clinton Raymond Miller	Akron
Harold A. Minnich	Barberton
Pauline Place	Akron
Ralph Emerson Quick	Akron
John G. Rowley	Akron
Mary Shuman	Akron
Catharine Snyder	Akron
Addison Deigh Spencer	Auburn, Ala.
John Langell Suloff	Akron
Alice Griffin Tucker	Akron
Harry Nelson Van Berg	Akron
Donovan L. Van Buskirk	Cuyahoga Falls
Paul Edward Werner	Akron
Sylvia R. Winer	Akron
John DeWitt Wortman	Akron

BACHELOR OF SCIENCE

Natalie Eleanor Averell	Akron
Edward Henry Kraus	Akron
Wallace L. MacKinnon	Akron
Harry Paul Schrank	Akron

MASTER OF SCIENCE

John Morris Davies	Akron
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CIVIL ENGINEER

James A. Easton	Akron
Laurel Eugene Fletcher	Ravenna
Herbert Barnes Myers	Akron
Leland Alfred Olson	Jamestown, N. Y.
Harold F. Smith	Akron
Bertram P. St. John	Athol, Mass.
Norman H. Van Hyning	Barberton

ELECTRICAL ENGINEER

Herbert Carl Allaman	Akron
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MECHANICAL ENGINEER

William Henry Thomas	Akron
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BACHELOR OF SCIENCE IN MANUFACTURING PRODUCTION

Howard Willard Herbruck	Akron
Clyde Foltz Tiley	Meridian, Miss.

BACHELOR OF SCIENCE IN COMMERCE AND ADMINISTRATION

Anthony C. Bachmann	Akron
James A. Millar	Akron
Fred M. Rauschenberger	Akron
Raymond J. Steel	Akron
Paul Stevens	Akron
Eldrid G. Willyard	Ravenna

BACHELOR OF SCIENCE IN HOME ECONOMICS

Dorothy Grace Hallinan	Akron
Lydia Voris Kolbe	Akron
Hilda Glenna Pfahl	Akron
Cordelia Catherine Roth	Akron
Helena Marie Urpman	Akron

BACHELOR OF EDUCATION

Anne Arenson	Akron
Bertha Arenson	Akron
Doris Rachel Cauffield	Akron
Helen Barbara Fornecker	Akron
Josephine Barber French	Akron
Caroline L. Moore Froebe	Akron
Roy Milton Flint	Akron
Mary Eleanor Hamilton	Akron
William J. Irwin	Akron
Horace Murray Jellison	Akron
Dorothy Lillian Marsh	Akron
Ruth Dempsey Purdy	Akron
Bessie Anna Pfeiffe	Akron
Anna Mary Thesing	Barberton
Elizabeth Barnes Thomas	Akron
B. Van Lew Wilson	Akron

MASTER OF ARTS IN EDUCATION

Jacob Vivian Naugle	Akron
Bessie Lizawetsky	Akron
Harry Elder Ritchie	Akron
Mary Jane Rothrock	Akron
Walter H. Schlagenhauf	Akron

MASTER OF SCIENCE IN EDUCATION

Juanita Lilliedale Irvine	Akron
Floyd L. Simmons	Akron

HONORARY DEGREE—DOCTOR OF LETTERS

George Parkin Atwater	Akron
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1924 ASSEMBLY SPEAKERS

January 4	Mr. Earl Russell, U. S. Consul at Rome, "Foreign Conditions".
January 18	Mr. George W. Sieber and Mr. C. R. Olin on "Founder's Day".
February 1	Mr. Robert Bowman, '27, Mr. Wesley S. Evans, '24, Report of the Student Volunteer Convention.
February 8	Mr. H. C. Baldwin, representing the Babson Statistical Organization, "Economic Conditions".
March 7	Professor E. W. Crecraft, "Woodrow Wilson".
March 21	Mr. Calvin W. Rice, "Youth's Movement in International Affairs".
April 4	Colonel Philip Moore of the Bureau of Commercial Economics, Washington, D. C.
April 11	Dr. Clarence Hyde, "Springfield Sanatorium and Its Work".
April 25	Caney Creek Community Center Boys.
May 16	The Bell Telephone Company—A Demonstration.
May 23	The Akron High School Orchestra—a program.
June 18	Commencement Address by Dr. Edgar Fahs Smith, Emeritus Professor of Chemistry, University of Pennsylvania.
October 17	Mr. Vladimir Karapetoff, Professor of Electrical Engineering, Cornell University.
October 24	Reverend Stephen J. Keeler of St. Paul's Episcopal Church.
November 1	Mr. E. J. Larrick, Secretary, The Better Akron Federation.
November 7	Mr. Henry P. Edwards, "Sports vs. Sportsmanship".
November 14	Brigadier General Robert I. Rees, "What the Student's Life Work Will be After He Leaves College".
November 21	Professor William Lloyd Davis, "The Dawes Plan".
December 5	Mr. Stephen A. Habousch, "The Holy Land".

PRIZES AND HONORS

THE ASHTON PRIZES

Senior Ashton Prize Contest, February 15, 1924. First prize was awarded to Paul Werner; second prize to Schuyler Hunt.

Sophomore Ashton Prize Contest, May 2, 1924. First prize was awarded to Frances Olga Rothschild; second prize to John C. Smith.

No Junior Ashton Prize Contest.

THE SENIOR ALUMNI PRIZE

The Senior Alumni Prize was awarded to Lydia Voris Kolbe and Wesley Sterling Evans.

THE TOMLINSON PRIZES

The Tomlinson Prizes were awarded to the following students: John DeWitt Wortman, '24, first prize; Addison Deigh Spencer, '24, second prize.

THE LOOMIS CUP

The Loomis Cup was won by West High School in 1915-1916, by South High School in 1916-1917, 1917-1918 and 1918-1919, which made it the permanent possession of the South High School. The winner of the second cup for 1919-1920 was West High School, for 1920-1921 South High School, for 1921-1922 West High School, for 1922-1923 South High School, and for 1923-1924 North High School.

PHI SIGMA ALPHA

The students chosen for membership in Phi Sigma Alpha Fraternity from the senior class of 1924 were Harry Nelson Van Berg, Esther Ada Hollingsworth, Kathleen Masterson, Wesley S. Evans, Ruth Brown, Beatrice Marie Caspari, Wallace L. MacKinnon, Harold A. Minnich and Mary Shuman.

HONOR STUDENT

Wesley S. Evans was an Honor Course Student in Political Science during 1923-24. His thesis was on "Motion Picture Legislation".

THE ALUMNI ASSOCIATION

OFFICERS

President.....Alfred Herberich, '11 2nd V. Pres.....Dr. Carl E. Frick, '16
 1st V. Pres.....Dr. T. S. Jackson, '09 Treasurer.....K. D. Smith, '13
 Alumni Secretary—Edith Grace Cray, '23

EXECUTIVE COUNCIL

C. R. Olin, '85 Dr. P. R. Kolbe, '01 Alfred Herberich, '11

ALUMNAE REPRESENTATIVES

Mrs. H. E. Simmons, '08 Edith Grace Cray, '23

ALUMNI BOARD OF TRUSTEES

Term Expires June, 1925

Term Expires June, 1926

Mrs. Fred Garrett	'06	H. E. Simmons	'08
F. S. Goehring	'08	F. Glen Alexander	'14
Beatrice Sumner	'08	Mrs. Don Wallace	'18
Verne Read	'10	John S. Kennedy	'18

Term Expires June, 1927

Mrs. Grace Cronan	'00
Clara Brouse	'06
Leroy Barnette	'14
Rolland D. Fox	'21

DIRECTORY OF AKRON ALUMNI CLUBS

Chicago—President, Dr. Carl E. Frick, '16, 1357 E. 53rd St.; Secretary, Carl Hess, care of General Tire & Rubber Co.

Cleveland—President, Dr. T. S. Jackson, '09, 12333 Chesterfield Ave.; Secretary, Anna Cowan, '10, 13412 Fifth Ave.

Kent—President, Mrs. Martin L. Davey, ex-'09, 453 W. Main St.; Secretary, Mrs. G. Frank Elgin, '99, 217 Depeyster St.

New York—President, Lawrence Teulings, '23, Goodyear Tire & Rubber Co., Newark, N. J.; Secretary, Nell Hanks, ex-'13, 200 West 57th St.

Pittsburgh—President, E. L. Chesrown, '83, 1003, St. Clair St.; Secretary, Mrs. J. H. James, '98 5868 Douglas Ave.

Southern California—President, Dr. W. L. Hardin, '93, Mt. Washington, Los Angeles, Cal.; Secretary, Mrs. Alice B. Fulghum, ex-'91, 3433 Sabina St., Los Angeles, Cal.

AKRON NEIGHBORHOOD ALUMNI CLUBS

In order to effect a closer organization in Akron, the city was divided into twenty-three districts, each club including the alumni and former students in that neighborhood. The clubs were formed for the purpose of keeping local alumni in touch with various University events through a group leader.

THE AKRON ALUMNUS

Official publication of Buchtel and Akron University Alumni. Published monthly during the college year by the Alumni Association of the Municipal University of Akron.

Editorial Staff

Editor Edith Grace Cray, '23
Athletic Editor Ralph E. Quick, '24

Associate Editors

Rev. I. C. Tomlinson, '80; George Seiber, '80; Dr. Frank Wieland, '90;
Frank Cooke, '91; Dr. W. L. Hardin, '93; Inez Parshall, '02; Howard Spangler, '06.

SUMMARY OF ALUMNI

Number of Graduates	883
Deceased	92
Living Graduates	791

OCCUPATIONS OF GRADUATES

Accountant	2
Agriculture	9
Authors	1
Bankers	6
Brokers	5
Chemists	35
Clergymen	14
Clerical Work	22
Companion	1
Commercial Work—Business Executives, etc	70
Contractors	1
Decorators	2
Dietitians	4
Dramatists	2
Engineers	43
Forestry	1
Government Service	7
Home Makers	156
Hospital Work	4
Insurance, Real Estate, Loans	18
Lawyers	45
Librarians	7
Living at Home	20
Lyceum Bureau Work	2
Manufacturers	7
Merchants	3

ALUMNI ASSOCIATION

213

Musicians	6
Newspaper Work	13
Photographer	1
Physicians	27
Pharmacists	1
Public Service	12
R. R. Employees	6
Retired	10
Salesmen	25
Secretaries	2
Social Service	10
Students	35
Teachers and Professors	132
University Officials	6
Unknown	10
Deceased	92

GEOGRAPHICAL DISTRIBUTION OF GRADUATES

California	24
Colorado	4
Florida	7
Idaho	2
Illinois	16
Indiana	10
Iowa	4
Kansas	1
Maryland	2
Massachusetts	12
Michigan	15
Minnesota	2
Mississippi	1
Missouri	5
Montana	1
Nebraska	2
North Dakota	1
New Hampshire	1
New Jersey	7
New York	23
Ohio	579
Oklahoma	1
Oregon	2
Pennsylvania	29
Rhode Island	1
Tennessee	2
Texas	3
Utah	2
Vermont	5
Washington	3
Washington, D. C.	4
Wisconsin	4
Wyoming	1
Virginia	1
France	1
Hawaii	2
Singapore	1
Deceased	92
Unknown	10

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