Master of Arts in Liberal Studies
Master of Education

Announcements for the Sessions of
1972-1973
1973-1974

May 1, 1972
PROGRAMS FOR THE
MASTER OF ARTS
IN
LIBERAL STUDIES

MASTER OF EDUCATION
The University, in offering graduate programs, is seeking to fulfill an objective set by the Lutheran University Association when it acquired the plant in 1925: to make the institution a Christian center of advanced study. The University desires through these programs to broaden its educational service to its constituency and to the community as a whole. There are elements of uniqueness in these programs, both in breadth and depth, which make them unusual in American higher education.

The program of graduate studies was initiated by Valparaiso University in the Summer Session of 1963. It has continued through late afternoon and evening courses during subsequent academic years. At present the plan is to offer graduate courses in this pattern of summer sessions and evening courses.

The graduate programs are under the general supervision of the President and the Faculty of the University. The policies of the Graduate Division are determined by the Graduate Council, and the programs and regulations as defined by the Council are administered by the Director of the Graduate Division.

Valparaiso University is fully accredited by the North Central Association of Colleges and Secondary Schools for the offering of bachelor's and master's degrees.

The graduate programs have been formally approved by the Indiana State Department of Public Instruction for the training of teachers and the programs meet the requirements for certification in most other states.

An applicant to the Graduate Division must be a graduate of an accredited college or university with a standing of at least 1.5 (C=1.00) in all work attempted.* Official transcripts of all undergraduate and previous

*Seniors wishing admission to the Graduate Division: A senior in Valparaiso University who has a standing of at least 2.00 in all his work and a standing of at least 2.00 in all the work taken in his major field, and who needs not more than six semester hours of credit to meet the requirements for his baccalaureate degree, may be granted provisional admission to the graduate program. A student who has been granted such admission will be permitted to enroll for not more than six semester hours of courses designated for graduate credit and not more than a total of twelve semester hours during a semester; or for not more than three semester hours of courses designated for graduate credit and not more than a total of six semester hours during a summer session. Courses taken for graduate credit may not be counted toward fulfilling the requirements for a baccalaureate degree.
graduate work and a completed form for admission (available from the office of the Director) must be forwarded to the Director of the Graduate Division for evaluation. The transcripts and other application materials become part of the records of the Graduate Division, Valparaiso University, and are not returnable.

The Director will assign an adviser according to the selected area of academic concentration once the student is admitted to the Graduate Division. Those students who are also working toward qualifying for teaching certificates will be assigned an adviser in the Department of Education in addition to their academic adviser.

ADMISSION TO CANDIDACY

Admission to Candidacy is a separate step from admission to the graduate program, and requires separate approval by the Graduate Council. To become a candidate for a degree, a student must have completed at least six semester hours at Valparaiso University with a standing of at least 1.8 (B=2.00). Application for Candidacy should be filed before the student has completed half of his graduate work. The student must file a tentative program of study which has been approved by his academic adviser. Forms for this purpose are available through the office of the Director of Graduate Division.

APPLICATION FOR GRADUATION

To receive the Master's Degree from Valparaiso University, a student must make formal application to the Director of Graduate Division within the first week of the term in which he expects to be graduated. He must give evidence that he has fulfilled all requirements for the degree and receive the approval of the Graduate Council. No student who has not made application for candidacy (see above) will be eligible for the degree.

PROGRAM FOR MASTER OF ARTS IN LIBERAL STUDIES

The program leading to the degree of Master of Arts in Liberal Studies is broad in scope, offering opportunities for study in several fields. Two basic two-hour courses in The Western Tradition, which are required of all students, provide an integrating core. Also, the student is required to present ten hours of work in one subject matter field other than education. The remaining hours in the thirty hour program are electives, selected by the student after conference with his adviser(s). A maximum of ten of these elective hours may be in professional education.

In addition, the program provides for the needs of both elementary and secondary classroom teachers who wish to work toward advanced certificates. The student will be able to adjust his program within the field of concentration and the electives so as to strengthen his subject matter competence and, if he desires, to add to his professional training in education.

The M.A.L.S. program also provides a particularly challenging opportunity for professional workers who wish to strengthen their preparation and secure breadth of background in academic areas.
Requirements For The Degree—Master of Arts in Liberal Studies

To be eligible for the Master of Arts in Liberal Studies, a student must complete at least thirty semester hours, distributed as follows:

1. A core of 14 semester hours consisting of:
   A. 10 semester hours in one subject-matter field (other than education), 7 semester hours of which must be taken at Valparaiso University, and;
   B. 4 semester hours in the courses entitled The Western Tradition I and The Western Tradition II.

2. 16 semester hours of electives (of which not more than 10 semester hours may be in education).

At least 5 of the 10 semester hours required in the one subject-matter field and at least 15 of the 30 semester hours presented for the degree must be in courses open only to graduate students (numbered 300 or higher). These courses must be taken at Valparaiso University.

Under the Master of Arts in Liberal Studies program, students may concentrate their study in the following fields: English, Geography, History, Music, Psychology, Sociology or Theology.

Program for Master of Education

This program, authorized for the first time as of the school year 1972-1973, is to be used by elementary teachers in professionalizing their certificates. The Master of Education degree program is open only to certified elementary teachers or persons with a planned program for achieving certification. To be eligible for this degree (M.Ed.), students must complete at least 33 semester credits, distributed as follows:

Requirements for the Degree—Master of Education

Professional Education ............................................. 12 semester credits
   (a minimum of six hours of 300 courses at Valparaiso University)
Psychological Foundations of Education ................. 3 semester credits
   (Education 310, Psychology 277 (formerly 201), 280 (formerly 208), 303 or 315)
Subject-matter Field(s) other than education ...... 12 semester credits
   (a minimum of six hours of 300 courses at Valparaiso University)
Electives ............................................................. 6 semester credits
Total minimum requirement .......................... 33 semester credits
Minimum 300 courses at Valparaiso University ...... 15 semester credits

Regulations of the Graduate Division for the Degrees M.A.L.S. and M.Ed.

No thesis is required, but a term paper is a regular part of graduate courses.
GRADUATE DIVISION

Students must maintain a grade point average of 1.8 (B=2.00) in all graduate work undertaken at Valparaiso University. Graduate credit may be received for A, B, and C grades, BUT not more than six semester hours of C work may be counted toward the degree. ALL grades received at Valparaiso University are counted in computing a student’s grade point average.

Not more than fifteen semester hours of work for graduate credit may be carried in any one semester, nor more than eight semester hours of credit in any summer session of seven weeks. All work for the master’s degree must be completed within a period of five calendar years from the date of the student’s initial enrollment in the program.

Not more than six semester credits earned in institutes may be counted toward the degree.

If a student receives a grade of Incomplete in any course, that grade must be removed by the beginning of the official examination period of the next succeeding semester or it will automatically become an F.

Only in exceptional cases, such as prolonged or serious illness, will the Graduate Council permit a student to withdraw from a course without a grade of F after the end of the seventh week of the semester or after the third week of a seven week summer session.

TEACHER CERTIFICATION

NOTE: All students working toward a teaching certificate must consult the Chairman of the Department of Education by the first semester of enrollment.

To prepare persons for teachers’ certificates, Valparaiso University adapts the graduate programs, after reviewing the candidates’ prior preparation, to the student’s individual needs.

ELEMENTARY CERTIFICATION

Persons seeking the Indiana General Elementary Certificate, Professional, must devote at least fifty per cent of their work to a combination of courses in education and subject content directly related to elementary school teaching.

Elementary teachers using the Master of Arts in Liberal Studies to professionalize a teaching certificate will be required to complete 12 semester hours in professional education (a minimum of 6 hours of 300 courses) and 3 semester hours of related coursework. (Since a maximum of 10 hours of education may be used toward a Master of Arts in Liberal Studies, this requirement, in effect, raises the total hours required for elementary teachers to 34 hours).

SECONDARY CERTIFICATION

Each candidate for the Indiana Secondary School Certificate, Professional, must earn at least eight semester hours of graduate credit in each subject field he desires to professionalize.
Secondary teachers using the Master of Arts in Liberal Studies to professionalize a teaching certificate will be required to complete 6 semester hours in professional education (a minimum of 3 hours of 300 courses at Valparaiso University).

TRANSFER CREDITS
A maximum of six semester hours of transfer credit from another accredited institution will be accepted for the degree, and no transfer course presented with a grade of less than B will be considered. These credits must have been earned not more than ten years before the student is admitted to the graduate program. All requests for transfer must be in writing and will be evaluated by the Director of the Graduate Division.

INDEPENDENT STUDY
With the permission of the chairman of the department concerned and of the Graduate Council, a student may earn up to three of the thirty semester hours required for the degree by means of an independent-study project resulting in a paper. No student may apply for permission to undertake an independent-study project until he has satisfactorily completed at least twelve semester hours of his approved Master’s program.

A student’s first independent-study project will be recorded as course number 390 (cr. 1-3) of the department concerned. His second will be recorded as course number 391 (cr. 1-2), and his third as course number 392 (cr. 1).

No student may register for an independent-study project during the final summer session of his program and no student should expect to start and complete an independent-study project in one summer session.

TUITION AND FEES
Tuition per semester hour for graduate courses ...............$30.00* (for the academic year 1972-1973)

Application fee ...........................................$10.00
This fee is to accompany the application for admission form. It is payable only once, upon initial application. It is not refundable.

Matriculation fee ......................................$ 5.00
This fee is payable only once, when the student enrolls in his first course at Valparaiso University.

Graduation fee .........................................$15.00
This fee should accompany the application for graduation.

Other fee information is found in University bulletins covering summer session and evening offerings.

*This fee is only applicable for courses for graduate credit. If, for any reason, a graduate student registers for a given semester in graduate and/or undergraduate courses only, he will be charged the regular charges applicable to each division of the University.
**GRADUATE DIVISION**

*The Henry F. Moellering Memorial Library.* The general library of the University contains over 325,000 items, including 220,000 standard volumes, 20,000 government publications, 44,000 pamphlets, and over 20,000 bound volumes of periodicals. The library also holds 1,584 reels of microfilm and 5,000 units of microcards. Microfilm and microcard readers are available.

It receives by gift or by subscription over 1,681 periodicals.

It is a depository for selected publications of the United States government.

The Instructional Materials Center, The Music Record Library, and the Development Reading Laboratory are located on the lower level of the Library. The Curriculum Library is housed in the Education Building.

**University Bookstore**

The University’s modern, self-selection bookstore is operated for the convenience of students in the purchase of books, supplies, and other necessary materials for classwork and daily living. Students should purchase textbooks before the second class meeting.

**Living Accommodations**

In summer sessions, comfortable living accommodations in modern university dormitories on campus are available for graduate students.

The residence halls, with floors reserved especially for graduate students, are within a short walking distance of all classrooms. Dormitory fees are indicated in University bulletins covering summer session, evening offerings, and the regular academic year.

Meals may be obtained at the Valparaiso Union located near the residence halls.

Requests for living accommodations must be made in advance of registration—and should be directed to:

The Vice-President for Student Affairs, Housing
Valparaiso University
Valparaiso, Indiana 46383

**Recreational Facilities**

During the summer, a special social activity is the weekly social hour, attended by students and members of the faculty and the administration. Competitive sports, beach parties, daily swimming in the pool, and impromptu campus gatherings are also arranged under the supervision of the Social Director.

Students interested in physical recreation can drive to nearby Lake Michigan and other lakes, as well as to the Dunes State Park, all within a radius of fifteen miles. Golf courses are located at the edge of Valparaiso.
Valparaiso University is less than fifty miles, or an hour's drive, from the city of Chicago and the cultural opportunities offered by the great libraries, museums, art galleries, and concert halls.

HONOR SYSTEM

The student-initiated Honor System, administered by the Honor Council, is recognized and approved by the University as an integral part of the regulations under which a student becomes a member of the University family.

The basis on which the Honor System at Valparaiso University is founded is in every way consistent with the highest principles of Christian ethics and morality and presumes that a student is able and willing to accept the duties and responsibilities for maintaining the principles of honorable conduct for the sake of the University community.

Under the Honor System all written examinations, of any length, are taken in an atmosphere free from the surveillance of a proctor. Each student has the responsibility to keep academic work free of dishonesty and is usually requested to sign a pledge to the effect that no unauthorized aid was given or received. In the unfortunate case of a proven breach of honor, the Honor Council determines and recommends to the President of the University appropriate disciplinary action.

The Honor Council, an educational, preventive, remedial, and judicial body, is composed of students appointed by the President and chosen from a list of students recommended by the Student Senate.

Manifestly, it is impossible for anyone to become a member of the University community without both explicit and implicit adherence to the Honor System.

The faculty reserves the right to abrogate the Honor System at any time.

COURSES FOR GRADUATE CREDIT

All courses numbered 200 and above are open only to those students who have been officially admitted to the Graduate Division.

NOTE: Announcements for specific semesters and for summer sessions will indicate which courses are offered during those periods.

ART

220. Modern Art. Cr. 3. A study of the plastic and pictorial expressions of Europe and America from the 18th century to the present with particular emphasis on the 20th century development.

298. Special Studies. 0+3, Cr. 1. 0+6, Cr. 2. 0+9, Cr. 3. Special work in the practice of art or the teaching of art arranged for by a professor and one or more students. Prerequisite: undergraduate art major. Studio fee, $5.00 per credit hour.

BIOLOGY

205. Biochemistry. (Also offered as Chemistry 205.) 4+0, Cr. 4. The chemistry of proteins, carbohydrates, fats, and nucleic acid and the changes these undergo during processes of digestion and metabolism.
253. **Human Environmental Biology.** 2+3, Cr. 3. Lectures, conferences, demonstrations, and laboratory work considering man's health and physical needs in relation to his past, current, and future environmental situation. Special emphasis is given to problems associated with the biological nature of man, healthful living, occupational and recreational conditions, environmental pollution, and public health organizations and functions. Laboratory fee, $5.00.

257. **Ecology.** 2+5, Cr. 4. A study of organisms in relationship to their physical and biotic environment. There is considerable field work in local terrestrial and aquatic habitats. Laboratory and field trip fee, $10.00.

259. **Bacteriology.** 2+6, Cr. 4. An intensive study of the cell biology of bacteria and their viruses including morphology, cultivation, physiology, environmental factors, and genetics. Laboratory fee, $5.00.

261. **General Physiology.** 3+3, Cr. 4. A study of the fundamental physiological activities of animals and plants. The course will consist of lectures, assigned readings, and experimental work in nutrition (including synthesis, oxidation, and energy release of nutrients and elimination of waste products), irritability and response, and growth and reproduction. Laboratory fee, $5.00.

270. **Cytology.** 2+3, Cr. 3. An introduction to cell biology with reference to composition, structure, function, growth, and differentiation of cells. Cytological aspects of genetics are emphasized. Laboratory work in experimental cytology. Laboratory fee, $5.00.

275. **Developmental Biology.** 2+3, Cr. 3. An introduction to the descriptive and analytic study of plant and animal development and growth, with emphasis on higher plants and vertebrate animals. Laboratory fee, $5.00.

**CHEMISTRY**

201. **Elementary Physical Chemistry.** 3+3, Cr. 4. A one-semester course in physical chemistry covering elementary thermodynamics and kinetics, together with their applications to various chemical systems. Laboratory fee, $10.00. (Not open for credit to students who have taken Chemistry 111.)

205. **Biochemistry.** (Also offered as Biology 205.) 4+0, Cr. 4. The chemistry of proteins, carbohydrates, fats, and nucleic acid and the changes these undergo during processes of digestion and metabolism; stress on physical biochemistry topics and enzyme kinetics.

240. **Advanced Organic Chemistry.** 1+6, Cr. 3. The lecture is devoted to a discussion of physical organic chemistry with experimental methods illustrated by modern organic analysis. The laboratory is devoted primarily to organic analysis by functional groups and by modern instrumental techniques. Prerequisite: consent of the chairman of the department. Laboratory fee, $10.00

250. **Advanced Inorganic Chemistry.** 3+0, Cr. 3. A systematic study of the elements and their compounds from the standpoint of the periodic law. Special theoretical topics in inorganic chemistry are discussed. Prerequisite: three years of chemistry.

**ECONOMICS**

278. **Economic History of the United States.** Cr. 3. The history of the economic development of the United States from the colonial period to the present.

286. **Intermediate Micro-Economic Theory.** Cr. 3. A study of the theoretical concepts and analytical techniques which economists employ to interpret the process of resource allocation under various systems of economic organization.

287. **Intermediate Macro-Economic Theory.** Cr. 3. A critical examination of theories of national income determination and of techniques for measuring and analyzing aggregate economic activity.

289. **History of Economic Thought.** Cr. 3. Economic thought in its historical development from the Mercantilists to the present day.
202. Supervised Internship and Seminar. Cr. 4. An advanced program of practicum internship consisting of observation-participation, demonstration, research, and seminar in elementary teaching. This course is specifically designed for students enrolled in the MAT-Elementary program. A weekly seminar extending over a period of one semester is included as a part of the course. Fee $50.00. (Not offered after Spring Semester, 1972-1973.)

214. Teaching the Social Sciences in the Secondary School. Cr. 2. A course designed to organize selected materials from the social sciences into teachable content at the junior-senior high school level. An analysis of objectives, curriculum patterns, methods of transmission, materials of instruction as means of the kind of effective learning necessary for the student to compete successfully in our modern technological society is attempted.

270. Mathematics in the Elementary School. Cr. 2. Psychological and instructional aspects of arithmetic, elementary algebra, and geometry, including new methods of teaching based on recent scientific studies; diagnostic and corrective measures. Prerequisite: a basic course in the updated mathematics and consent of the chairman of the department.

271. Science in the Elementary School. 1+2, Cr. 2. Analysis of curriculum and instruction in elementary science; methods of presentation, problems, trends, research findings, and instructional resources. Demonstrations and appropriate experiments for elementary schools. Laboratory work is required. Prerequisite: consent of the chairman of the department.

272. Language Arts in the Elementary School. Cr. 2. An advanced study of the elementary school language arts curriculum considering content and skill requirements as evidenced in present practice and current theory.


275. Reading in the Elementary School. 1+2, Cr. 2. An introductory course in the teaching of reading including a study of the nature of the reading process, the reading curriculum, and principles, methods, and materials used for the development of effective reading.

276. Foundations of Reading. Cr. 3. A course designed to review basic and current accepted practices in teaching reading. Problems concerned with the teaching of reading, remedial reading, and guiding the reading of gifted children will be included. Prerequisite: basic course in the teaching of reading.

277. The Elementary School Curriculum. Cr. 3. A study of the composition of today's elementary curriculum, the factors which affect its development, the principles governing curriculum organization, and current curricular patterns.

280. Audio-Visual Education. 1+2, Cr. 2. This course is a study of the principles and techniques underlying auditory and visual aids to classroom teaching and offers laboratory experience in their uses. Prerequisite: consent of the chairman of the department.

282. Educational Measurement. Cr. 3. A course dealing with the history and theory of measurement, statistical analysis and interpretation of measurement data, and testing in relation to pupil achievement and guidance.

285. The Junior High School. Cr. 2. The role of the junior high school will be explored. Particular attention will be given to a critical analysis of current practice in the nature, purpose, organization, administration, and supervision of the junior high school.

286. Educational Guidance and Counseling. Cr. 3. A course dealing with the nature, functions, and organization of student personnel programs in elementary and secondary schools with counseling and guidance services the central feature. Prerequisite: Education 282 or the equivalent.
288. Seminar in Curriculum Problems. Cr. 2. The seminar will study in depth selected problems in one area of the curriculum of the elementary or secondary school. The curriculum area selected for study will be determined on the basis of interests represented by those taking the course. Prerequisite: consent of the instructor.

299. Current Problems in Education. Cr. 1, 2, or 3. An intensive study of an area of education. Subtitles, amount of credit, and content will depend upon instructor's choice and student interest.

305. Philosophical Foundations of Education. Cr. 3. A course in educational thought designed to explore systems of thought with emphasis upon educational philosophic patterns, their influence upon the implications for practice and theory in education.

310. Advanced Educational Psychology. Cr. 3. Basic study of psychological concepts and phenomena as related to the teaching-learning situation. Emphasis on the interpretation and analysis of psychological research concerning human behavior and development. Designed particularly for experienced teachers. Prerequisite: 15 hours in Education or consent of the instructor.

317. Research in Education. Cr. 3. A course designed to develop skill in reading, interpreting and evaluating research in education. Prerequisite: 15 hours in education or consent of the instructor.

320. Historical Foundations of Education. Cr. 3. The history of American education in its cultural framework. Special attention will be given the reform movements of the 20th Century.

323. Research in Reading. Cr. 3. A review of basic research in reading as applied to principles of learning, instructional processes, and curricular organization. Prerequisites: Education 276 or equivalent and a course in statistics or measurement.

327. Remedial Reading. Cr. 3. A course designed to develop the concept of remedial and corrective reading, skills in diagnosis of reading difficulties, appropriate remedial techniques and procedures, and the production and evaluation of instructional materials. Prerequisite: Education 276 or equivalent.

328. The Supervision of Student Teaching. Cr. 3. A course dealing with the problems of supervising student teaching at the elementary and secondary levels. The historical development of student teaching, current student-teaching programs, and the problems related to the supervision of student teachers in the classroom and the school will be studied. Prerequisites: teaching experience and consent of the instructor.

329. Clinical Practicum in Reading. Cr. 3. Guided experience in clinical diagnosis; practice in dealing with specific procedures for the correction of various types of reading disabilities. Prerequisite: Education 327 or the equivalent. (Open only to students completing a reading endorsement at Valparaiso University).


335. Current Educational Thought. Cr. 3. A course designed to familiarize the student with current problems and innovations in the field of education. Extensive reading and discussion of selected essays, articles, and books dealing with issues in education are required.

ENGLISH

200. Methods of Literary Criticism and Research. Cr. 3. A study of the main schools of literary criticism and of the prevailing methods of scholarly research. Designed to prepare graduate students for advanced work in English.

209. Medieval Studies. Cr. 3. A study of Chaucer and his contemporaries.

220. Renaissance Studies. Cr. 3. A course in significant works of a limited number of writers ranging from More to Milton, with attention to the intellectual, religious, and political backgrounds of the Renaissance.


243. Introduction to Linguistics. Cr. 3. A general introduction to the theory and methodology of linguistics. The course will include descriptive and historical linguistics, basic notions of grammatical theory, and a limited exploration of some of the relations of linguistics to other branches of knowledge. The presentation of general principles will be supplemented by practical problems in linguistic analysis.

260. Modern Drama. Cr. 3. A study of plays typical of the various phases of the development of British and American drama after 1870, with some attention to related Continental drama.

270. Modern Fiction. Cr. 3. A study of representative works of the most important British and American novelists of the twentieth century, with some attention to related Continental novelists.

275. Modern Poetry. Cr. 3. Consideration of some important forerunners of modern poetry, Continental as well as British and American; close study of important modern poets, chiefly British and American, from Yeats to the present.

279. Literature for Young Adults. Cr. 3. A survey by genres of distinguished contemporary literature for adolescents and an introduction to the many bibliographical tools, with the emphasis on developing evaluative, critical attitudes. Recommended for teachers in secondary schools and for students who intend to become teachers.

303. Problems in Literature for Children. Cr. 3. A study of the great children’s literature of the past and the present, of the values that literature holds for children, and of the criticism of that literature with the aim of developing a set of critical standards for the evaluation of books for children; a study of criteria for selecting books for school use. This course includes a scrutiny of representative scholarship as well as the handling of many bibliographical tools.


309. Theory and Practice of Expository Writing. Cr. 3. Readings and lectures in the theory of exposition; practice in analyzing essays and in writing various forms of exposition; study of the principles of teaching expository writing.

310. Studies in Nineteenth Century British Literature. Cr. 3. A study of the major works of a limited group of writers related in some special way, such as adherence to a particular literary school or movement. May be repeated for credit provided there is no duplication of material.

315. Shakespeare and His Contemporaries. Cr. 3. Shakespeare's great tragedies are studied in the light of important nondramatic literary works of the Renaissance.

320. Studies in Nineteenth Century American Literature. Cr. 3. A study of several important American writers of the nineteenth century, selected on the basis of theme, genre, or relation to a particular literary movement or intellectual background. May be repeated for credit provided there is no duplication of material.

325. The Western Tradition I. (Also offered as History 325.) Cr. 2. A study of some of the important aspects of the heritage that has come down to us from the ancient Greek, Roman, and Judeo-Christian cultures. This course will be devoted, for the most part, to a close reading of important selected texts.

326. The Western Tradition II. (Also offered as History 326.) Cr. 2. A study of some of the more important aspects of the heritage that has come
down to us from the Middle Ages, the Renaissance, and the Reformation. This
course will be devoted, for the most part, to a close reading of important
selected texts.

335. TOPICS IN MODERN LITERATURE. Cr. 3. A careful examination of a
significant theme, trend, movement or school of writers of the twentieth cen-
tury. Emphasis is placed upon individual reading and reports. May be repeated
for credit provided there is no duplication of material.

FOREIGN LANGUAGES

225. SEMINAR IN FRENCH LITERATURE. Cr. 3. Intensive study of a French
literary topic of a specialized nature. May be repeated provided there is no
duplication of material.

245. GERMAN CIVILIZATION. Cr. 3. An historical survey of the German
cultural heritage in the fields of history, philosophy, religion, sociology, and
the fine arts. Prerequisite: 14 credit hours of college German.

258. TWENTIETH-CENTURY GERMAN LITERATURE. Cr. 3. Prerequisite: 18
semester credit hours of college German.

264. TOPICS IN CONTEMPORARY SPANISH LITERATURE. Cr. 3. Selected areas
of study concerning individual genres, authors, movements, or aspects of con-
temporary Spanish literature. May be repeated provided there is no duplication
of material.

GEOGRAPHY

270. EUROPEAN GEOGRAPHIC PROBLEMS. Cr. 3. A study of the reorganiza-
tion of the political, economic, and social patterns of Europe in the light of the
20th century attempt to unify Europe's fragmented nationalism.

272. ENVIRONICS. Cr. 3. An integrated study of environment of man. Inter-
related ecosystems of human life are analyzed and appraised in the context of the
total global environmental system, with a focus on environmental qualities.
Earth phenomena and problems are seen and resolved in the twofold perspective
of the impact of environment on man and the impact of man on the environment.
Treated in specific regional settings, environmental quality as here projected is
assessed and enhanced through community and regional planning with the
ultimate goal of establishing a sound geographic national land use policy.
Oriented to serve both the general and specific educational functions of the
University curricula, the scope and flexibility of this course allow for a wide
latitude of independent study projects.

274. HISTORICAL GEOGRAPHY OF THE UNITED STATES. Cr. 2. A regional
treatment of the exploration, colonization, territorial expansion, migration,
transportation, settlement, and economic development of our country, integrated
in relation to the physical framework of the environment in which and with
which American regional patterns of culture have come to be established. The
course is primarily designed for students majoring in one or another of the
social sciences. Prerequisites: 10 credit hours in geography, or 6 hours in geog-
raphy and 6 hours in history, political science, economics, or sociology, or
consent of the chairman of the department.

276. THE GEOGRAPHY OF WORLD AFFAIRS. Cr. 2. A workshop course to
develop the technique of interpreting current world events in the geographic
framework in which such events occur. From newspapers and periodicals stu-
dents clip articles for critical review and rewrite them in the form of "choro-
grams." Prerequisites: 10 credit hours in geography or 6 hours in geography
and 6 hours in history, political science, economics, or sociology, or consent
of the chairman of the department.

278. AREA FIELD STUDY. 0+4, Cr. 2. A laboratory and field course designed
to give insight into the nature and purpose of geographic field work. It
includes such topics as mapping techniques, physical and cultural pattern analy-
sis, rural and urban functions, and an intensive study of a selected area.

305. GEOGRAPHIC THOUGHT. Cr. 3. A conceptual approach to the content
and contributions of geography in general education and in world society. Geo-
graphic facts and ideas are developed under the following categories: nature and scope of geographic thought; comparative Western and non-Western cultures, differentiated in space and time; the geographic facts and ways of life; procedures and methods of identifying geographic investigation of human phenomenology; the Christian ethic of earth stewardship; geography as planning aforethought; teacher preparation in the earth sciences, including application of geographic understanding of world problems in specifically assigned projects.

310. WESTERN CULTURAL GEOGRAPHY. Cr. 3. An environmental appraisal of the European-American regional patterns of culture which are essential to the understanding of Western man.

315. NON-WESTERN CULTURAL GEOGRAPHY. Cr. 3. An environmental appraisal of the cultural regional patterns of Asia and Africa.

320. AMERICAN RESOURCES. Cr. 3. A study of the development of thought with respect to the nature and function of natural resources of the United States in the context of prevailing physical and cultural conditions. It is based on an intensive review of the literature with special attention given to those books and documents that have played a vital role in shaping American thinking with respect to resource use.

HISTORY

STUDIES IN EUROPEAN HISTORY

205. THE HIGH MIDDLE AGES. Cr. 3. A study of political and social development, of cultural and intellectual flowering of Christian Europe from the 10th century to the 14th.

206. RENAISSANCE AND REFORMATION. Cr. 3. A study of the emergence of modern Europe through events of the Italian and Northern Renaissance, and the impact of the Protestant Reformation through the 16th century.

210. FRENCH REVOLUTION AND NAPOLEON. Cr. 3. A study of the background, development, and significance of the French Revolution and Napoleonic Era.

215. MODERN EUROPE I 1870-1919. Cr. 3. A study of Europe emphasizing themes of nationalism, political evolution, militarism, industrialism, and Western World predominance to the close of World War I.

216. MODERN EUROPE II 1919-. Cr. 3. A study of Europe emphasizing the troubled years leading to World War II, and the complex changes in European life since 1945.

STUDIES IN UNITED STATES HISTORY

230. THE COLONIAL ERA 1607-1763. Cr. 3. A study of the history of early America from the first English settlements to the eve of the Revolution.

231. THE FOUNDING OF THE NATION 1763-1815. Cr. 3. A study of the events leading to the American Revolution and the working out of new directions in the young United States.

232. THE FEDERAL UNION 1815-1860. Cr. 3. A study of the major problems that beset the American people from the close of the War of 1812 to the eve of the Civil War.

233. CIVIL WAR AND RECONSTRUCTION. Cr. 3. A study of the great watershed conflict in American history, with special emphasis on the problems of Black Americans.

235. MODERN AMERICA II 1929-. Cr. 3. An intensive study of recent United States history from the great depression and New Deal of the 1930's to the present.

STUDIES IN NON-WESTERN HISTORY

250. HISTORY OF MEXICO. Cr. 3. A study of the struggle for political, economic, and cultural identity in America's southern neighbor.
325. THE WESTERN TRADITION I. (Also offered as English 325.) Cr. 2. A study of some of the important aspects of the heritage that has come down to us from the ancient Greek, Roman, and Judeo-Christian cultures. This course will be devoted, for the most part, to a close reading of important selected texts.

326. THE WESTERN TRADITION II. (Also offered as English 326.) Cr. 2. A study of some of the important aspects of the heritage that has come down to us from the Middle Ages, the Renaissance, and the Reformation. This course will be devoted, for the most part, to a close reading of important selected texts.

335. PROBLEMS IN EUROPEAN HISTORY. Cr. 3. An intensive study of a significant period or movement in European history. Subtitles and content will depend upon instructor's choice and student interest. Normally, these courses will require a major paper.

336. PROBLEMS IN UNITED STATES HISTORY. Cr. 3. An intensive study of a significant period or movement in American history. Subtitles and content will depend upon instructor's choice and student interest. Normally, these courses will require a major paper.

340. STUART ENGLAND. Cr. 3. A concentration upon the religious, political, economic, and social problems of 17th century England, involving civil war, regicide, political experimentation, Restoration, and a resolution of the basic problem of sovereignty.

356. LATIN AMERICA IN THE 20TH CENTURY. Cr. 3. A study of the Latin American peoples since 1900, their internal problems, policies, and foreign relations. Attention will be centered upon Mexico and the Caribbean.

380. THE INTERPRETATION OF HISTORY. Cr. 3. The role of interpretation in the study of history with emphasis on major trends and types of historical thought in western culture.

MATHEMATICS

243. STRUCTURES OF NUMBER SYSTEMS. Cr. 3. Vocabulary and symbolism of sets. Language and nature of deductive reasoning. Number theory and numeration systems. Number systems and their properties. Modular number systems and groups. Postulational method and a search for structure. This course is intended for teachers in the elementary schools. Not open to students who have had a year of calculus.

244. FUNDAMENTALS OF GEOMETRY. Cr. 3. Informal and non-metric geometry of sets of points. Geometric figures in the plane and space. Development of precise language, the nature of proof, and structure as exemplified in geometry. This course is intended for teachers in the elementary school. Not open to students who have had a year of calculus. Prerequisite: Mathematics 243 or equivalent.

MUSIC

221. PRO-SEMINAR IN MUSIC. Cr. 2 or 3. An intensive study of a limited area in the history of theory of music. This course may be repeated for credit.

223. PRO-SEMINAR IN PEDAGOGY OF MUSIC. Cr. 2. A consideration of the problems of teaching basic musicianship at all levels. Special attention will be given to the adapting of basic principles to the media of most interest to the members of the pro-seminar.

225. INSTRUMENTAL CONDUCTING. Cr. 2. A study of instrumental scores, conducting techniques, and materials.

227. ADVANCED CHORAL CONDUCTING. Cr. 2. A course for school musicians and professional church musicians dealing with advanced problems in choral conducting.

228. ADVANCED CHORAL CONDUCTING. Cr. 2. A continuation of Music 227. Prerequisite: Music 227.
235. **Music Theory.** Cr. 3. A continuation of Music 64 with special emphasis on non-baroque contrapuntal techniques.

236. **Music Theory.** Cr. 3. A continuation of Music 235 with special emphasis on contemporary techniques.

241. **Advanced Keyboard Harmony and Improvisation.** Cr. 2. Practical keyboard work including harmonization of melodies, realization of figured basses, transposition, modulation, and improvisation.


271. **Hymnology.** Cr. 2. A study of the Christian hymn from its earliest sources to the present day.

274. **History of Church Music.** Cr. 2. A study of the development of church music from the earliest history of the Church in the Old Testament to the present, with special emphasis on the period from Luther to Bach.

308. **Seminar in Music History.** Cr. 3. A study in depth of a specific period or problem in the history of music. Topics covered will change from semester to semester. This course may be repeated for credit provided there is no duplication of material.

### Applied Music

**Private Instruction**

One-half hour per week of private instruction plus three hours of practice per week for a period of one semester gives one semester hour of credit. One-half hour per week of private instruction plus six hours of practice per week for a period of one semester gives two semester hours of credit. Forty-five minutes of private instruction and nine hours of practice per week gives three semester hours of credit.

**Primarily for Graduates**

200. Cr. 1 or 2. Open to qualified graduate students who have good reason to include such study in their program. Prerequisite: approval of the chairman of the department.

**For Graduates**

300. Cr. 2 or 3. Open only to graduate students holding a Bachelor of Music degree with a major in the given instrument or having the equivalent level of performing ability. Admission by audition only and with the approval of the chairman of the department.

<table>
<thead>
<tr>
<th>Voice</th>
<th>Oboe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piano</td>
<td>Clarinet</td>
</tr>
<tr>
<td>Harpsichord (by audition only)</td>
<td>Bassoon</td>
</tr>
<tr>
<td>Organ (by audition only)</td>
<td>Saxophone</td>
</tr>
<tr>
<td>Violin</td>
<td>Trumpet</td>
</tr>
<tr>
<td>Viola</td>
<td>French horn</td>
</tr>
<tr>
<td>Violoncello</td>
<td>Trombone</td>
</tr>
<tr>
<td>Contrabass</td>
<td>Baritone</td>
</tr>
<tr>
<td>Guitar</td>
<td>Tuba</td>
</tr>
<tr>
<td>Flute</td>
<td>Percussion</td>
</tr>
</tbody>
</table>

**Composition.** A program of study dealing creatively with the problems of musical form. Prerequisite: consent of the chairman of the department.

**Instruction in Ensemble Music**

Instruction in one of the following ensembles for a period of one semester gives one semester hour of credit. Credits and grades earned in ensemble music do not give quality points and are not counted in computing the student's standing.

All ensemble courses are available for graduate credit on either the 200 or 300 level. Enrollment is limited to students who have specialized training and background to participate in the ensemble in some special capacity (such as as-
GRADUATE DIVISION

sistant conductor, sectional leader, or project director) to be determined by the instructor of the ensemble and with the approval of the chairman of the department.

250, 350. CHORUS. Admission by audition only. This includes University Choir, University Choral Society, Schola Cantorum, and Chamber Choir.

252, 352. UNIVERSITY BAND. Admission by audition only.

254, 354. UNIVERSITY ORCHESTRA. Admission by audition only.

256, 356. OPERA WORKSHOP. Admission by audition only.

258, 358. CHAMBER MUSIC. Admission by approval of the chairman of the department. This credit may be earned by participation in the Collegium Musicum.

PHYSICS

283. INTRODUCTION TO QUANTUM MECHANICS. 3+0, Cr. 3. The fundamental concepts of quantum mechanics are examined with applications to atomic, nuclear, and solid state physics. Topics include the Schroedinger equation, perturbation theory, the hydrogen atom, angular momentum and electron spin, identical particles, multielectron atoms, and collision theory. Prerequisite: consent of the chairman of the department.

284. INTRODUCTION TO QUANTUM MECHANICS. 3+0, Cr. 3. A continuation of Physics 283. Prerequisite: Physics 283.

287. THEORETICAL PHYSICS. 2+0, Cr. 2. Theorems of mathematical physics and applications, including small oscillations, general rotations, and potential theory.

288. THEORETICAL PHYSICS. 2+0, Cr. 2. A continuation of Physics 287. Prerequisite: Physics 287.

POLITICAL SCIENCE

255. PROBLEMS IN STATE AND LOCAL POLITICS. Cr. 3. A study in depth of important contemporary problems on the state or municipal levels in the United States. Given in cooperation with the Community Research Center.

256. PROBLEMS IN AMERICAN POLITICS. Cr. 3. An intensive study of topics in the process, policies, and functions of the American political system. (e.g., Political Parties).

258. THE CONSTITUTION OF THE UNITED STATES. Cr. 3. An examination of great constitutional issues, decided and undecided, in the light of the contemporary interpretation of the Constitution.

264. CHURCH AND STATE. Cr. 2. An examination into some of the ramifications of church-state relationships in the United States. (Given in alternate years.)

265. INTERNATIONAL LAW. Cr. 3. The nature, origin, and development of law among the states of the world. Leading principles illustrated with cases. (Given in alternate years.)

320. READINGS AND RESEARCH IN POLITICAL SCIENCE. Cr. 3. In consultation with a faculty member, the student selects a program of readings and/or a research project in his area of interest.

PSYCHOLOGY

273. STATISTICAL METHODS FOR THE BEHAVIORAL SCIENCES. Cr. 3. An introduction to the fundamentals of descriptive and inferential statistics. (Not open to students who have taken Psychology 131 or the equivalent.)

277. PSYCHOLOGY OF CHILDHOOD. Cr. 3. A course which gives the student an understanding of the development and behavior of the child, with emphasis given to analysis of related research. Prerequisite: 6 hours of psychology.

280. THE EXCEPTIONAL CHILD. Cr. 3. A course designed to help the student understand the impact of various physical and mental handicaps on the child's
life. Emphasis will be given to the child's personal, social, and intellectual development and to the effect of this growth on the learning process. Prerequisite: Psychology 277 or equivalent.

285. BEHAVIOR MODIFICATION. Cr. 3. An experimental analysis of human behavior, with emphasis upon (1) the principles of various behavior modification techniques, (2) application of these principles to personality development, (3) methods used in recent research, and (4) application of behavior modification to the classroom. Prerequisite: 6 hours of psychology.

290. METHODS OF CLINICAL PSYCHOLOGY. 2+2, Cr. 3. A study of the techniques of diagnosis and therapy employed in the clinical setting. Supervised practice in testing. Prerequisite: Psychology 130 or consent of the chairman of the department. Laboratory fee, $5.00.

301. LEARNING AND MOTIVATION. Cr. 3. A study of the principles, techniques, and variables observed in the learning and motivational behavior of various organisms. Prerequisite: 6 hours of psychology or educational psychology.

303. COGNITIVE PROCESSES. Cr. 3. Analysis of various cognitive processes, such as concept formation, reasoning, problem solving, creativity, and language. Prerequisite: 6 hours of psychology.

310. PRINCIPLES OF PSYCHOTHERAPY. Cr. 3. Representative theoretical approaches to the process of personality change and to the techniques used in treating neurotic and psychopathic disturbances. Prerequisite: 3 hours in psychology at the graduate level.

315. PROBLEMS IN PERSONALITY THEORY. Cr. 3. A treatment of the theoretical systems of personality, current approaches to the assessment of human motives, and the behavioral consequences of specific motives in the individual and society. Prerequisite: 3 hours in psychology at the graduate level.

SOCIOLOGY

201. SOCIOLOGICAL ANALYSIS I. Cr. 3. A study of the historical development of sociological thought and the theoretical contributions of major orientations in contemporary sociology. Various American and European schools of thought, both historic and contemporary, are analyzed and critically appraised.

202. SOCIOLOGICAL ANALYSIS II. Cr. 3. The construction of testable theories and the testing and derivation of theories with elementary survey analysis techniques. Laboratory fee, $10.00

204. CRIMINOLOGY. Cr. 3. An analysis of crime in contemporary society with an emphasis upon theories of causation, enforcement, adjudication, institutionalization of offenders, and trends in correctional treatment.

207. SOCIOLOGY OF RELIGION. (Also offered as Theology 267.) Cr. 3. Social science methods applied to the analysis of the function and structure of religion, theories concerning the social implications of religion, interrelationships between religious groups and communities, effects upon culture, typology of religious groups, and current problems facing religious institutions.

212. ETHNIC MINORITIES. Cr. 3. A specialized study of social organization in which dominant-minority relationships are analyzed theoretically and historically. Emphasis upon the nature of social and cultural interaction, the consequences of interaction for dominant-minority groups and the social system, together with the dynamics of assimilation and change.

*220. SOCIAL COLLECTIVITIES. Cr. 3. A study of the theoretical and methodological dimensions of social collectivities such as small groups, formal organizations, collective behavior, or juvenile deviance and delinquency.

*230. SOCIETAL STRUCTURES. Cr. 3. An investigation of selected sociological phenomena in relationship to current social theory and research. Topics may include socialization, social stratification, mass communications, population analysis, urban sociology, social change, or systems of justice.

*240. SOCIAL INSTITUTIONS. Cr. 3. An examination of the various aspects of selected social institutions in the light of the multiple variables of sociological...
GRADUATE DIVISION

cal analysis. Topics may include political sociology, or the sociology of medicine, of occupations, of law, or of knowledge.

*285. SPECIAL PROBLEMS IN SOCIOLOGY. Cr. 1-3. An investigation of selected topics central to the field of sociology.

301. SEMINAR IN THE FAMILY. Cr. 3. Analysis of the development of current theory and the nature of contemporary research problems on the family.

302. SEMINAR IN CRIMINOLOGY AND PENOLOGY. Cr. 3. Critical review of current theory, practice, and research in criminology and penology.

*310. SEMINAR IN SOCIOLOGY. Cr. 3. An investigation of selected problems and concepts within sociology from the standpoint of sociological theory and current research. Topics may include religious systems and institutions, contemporary educational systems and structures, social systems and social change, ethnic systems and structure, juvenile deviance and delinquency, and organized crime.

*Assessment of laboratory fee dependent on selection of topic.

SPEECH AND DRAMA

204. THE CONTEMPORARY THEATRE AND ITS LITERATURE. Cr. 3. The main currents in dramatic art and literature since Ibsen as seen against the background of social, artistic, and intellectual movements of the past one hundred years and as illustrated in representative plays.

205. THE AMERICAN THEATRE AND ITS LITERATURE. Cr. 3. A history of the American theatre from its beginning to the present. Masterpieces of American dramatic literature are studied.

208. PERSUASION. Cr. 3. A study of the theories and uses of the persuasive process in society.

THEOLOGY

265. THEOLOGY AND THE SCIENCES OF MAN. Cr. 3. An investigation of the areas of common interest in the fields of Christian theology and the social and personality sciences.

267. SOCIOLOGY OF RELIGION. (Also offered as Sociology 207.) Cr. 3. Social science methods applied to the study of organizational forms of religion. Consideration is given to theories concerning social implication of religion, interrelations between religious groups and communities, dynamics of religious movements, effects upon culture, typology of religious groups, current problems facing religious institutions. Prerequisite. Sociology 53.

271. RECENT CHRISTIAN THOUGHT. Cr. 3. A study of the writings of major recent interpreters of Christian faith, such as Karl Barth, Paul Tillich, Reinhold Niebuhr, Wolfhart Pannenberg, and others.

276. CONTEMPORARY ETHICAL ISSUES. Cr. 3. Advanced studies in selected contemporary ethical issues.

310. RELIGIOUS THOUGHT IN AMERICAN CULTURE. Cr. 3. An investigation of American religious thought with special emphasis on the interaction between religion and American cultural development. Prerequisite: basic course in American History or approval of the chairman of the department.

320. BIBLICAL STUDIES TODAY. Cr. 3. A survey and evaluation of the post-Reformation revolution in Biblical Studies, its origin and nature of the problems with which it has confronted the Church and the Church's response.

350. THE CHRISTIAN MESSAGE AND EASTERN CULTURES. Cr. 3. A study of the historical and cultural impact of the Christian message on the life of the people of selected Eastern countries.

352. THE CHURCH AND THE SECULAR AGE. Cr. 3. A study of secularism with special emphasis on the theological evaluation of it in the works of contemporary theologians, and an examination of the Church's life and task in response to the challenges of the secular age.
365. **The Lutheran Liturgical Heritage.** Cr. 3. A study of the theology and forms of the Lutheran Rite in their historical and religious settings. Special attention is given to the implications of current liturgical renewal for the Lutheran understanding of the Liturgy.

381. **Basic Theology of the Reformation.** Cr. 3. A study of the historical setting and structural coherence of Reformation theology in terms of its 16th century context and its role in contemporary theological and secular thought.

382. **The Dynamics of Modern Roman Catholicism.** Cr. 3. A study of the theology and structure of current Roman Catholicism in relation to the internal development of that communion since Trent.

385. **Images of Man.** Cr. 3. A seminar exploring differing views of man. A selected number of works by significant writers from various disciplines will be studied.