

DIRECTORY OF UNDERGRADUATE COURSES

This directory of undergraduate course offerings has been compiled to serve as a guide to program planning for students at the four campuses of The University of Wisconsin-Green Bay. Most of the offerings listed here are courses currently offered by the UW Center System. In addition, a number of junior-level courses have been scheduled at Green Bay, as well as a few special courses selected from the 1969-1970 curriculum of The University of Wisconsin-Green Bay.

This directory is intended for use ONLY DURING 1968-1969. A timetable listing specific days and hours of courses for 1968-1969 is available now from the Office of Student Affairs at your campus. The address of each campus is listed on the opposite page.

Early in the fall, a complete catalog of UWGB courses will be available from the Office of Student Affairs at the campus you plan to attend. The UWGB catalog will contain detailed information about academic programs to be offered when the new campus opens in September, 1969.

A GUIDE TO ABBREVIATIONS AND SYMBOLS:

cr	credits	cons inst	consent of instructor
fr	freshman	P	prerequisite
soph	sophomore	GB	Green Bay Campus
jr	junior	FV	Fox Valley Campus
sr	senior	MN	Manitowoc County Campus
st	standing	MR	Marinette County Campus

I, II Indicates semester or semesters during which a course will be offered.

For example, the designation (FV I, II) following a course description indicates that the course will be offered both in the fall (I) and spring (II) semesters at the Fox Valley Campus.

ANTHROPOLOGY

- 100 GENERAL ANTHROPOLOGY 3 cr.
A course planned to give the student a general understanding of man in relation to the cultures he has built. Deals with man's evolutionary development, his capacities for society, and the development of the world's major cultures. Open to freshmen. (GB I, II; FV I; MN I; MR I)
- 200 CULTURAL ANTHROPOLOGY 3 cr.
Variations of human cultures throughout the world and the comparative study of human institutions. P: Anthropology 100 or soph. st. (FV II; MN II; MR II)
- 203 UNDERSTANDING CHANGING CULTURES 3 cr.
Fundamental concepts and methods and their substantive applications to the changing nonliterate, peasant and complex societies; study of cultural processes of innovation, transculturation, drift, modernization, secularization and integration. P: soph. st. (GB I)
- 204 LIFE IN THE PRIMITIVE WORLD 3 cr.
Ethnographic survey of representative primitive peoples and their cultures in recent times; major regions of the world considered in turn, with some attention to environmental factors and culture area classification. P: soph. st. (FV I; MN I)
- 303 CULTURAL ECOLOGY 3 cr.
A study of interrelationships of man, nature, and culture; cultural adaptability, with regard to physiological and behavioral traits and mechanisms, as human groups inhabit different environments and spatial arrangements. P: jr. st. (GB II)
- 304 FAMILY, KIN AND COMMUNITY 3 cr.
A cross-cultural comparison of the form and function of

ANTHROPOLOGY

such social institutions as marriage and the family, age, sex and kin groups, task groups and caste and class. P: jr st. (GB II)

314 NORTH AMERICAN INDIANS 3 cr.

Description and analysis of native cultures and the role of environmental and historical factors in North America. P: jr st. (FV II)

499 CONTEMPORARY PROBLEMS IN ANTHROPOLOGY cr arranged

Senior seminar or tutorial on current issues in anthropology related to methods, theories and concepts of physical and cultural anthropological analysis; their applications and limitations to community problems. It includes integrative individual projects developed for student reading, research and reports. P: pursuit of anthropology option. (GB I, II)

ART

100 DESIGN AND DRAWING 2 cr.

A broad course in the elementary principles of design in the space arts. Applications are made in the basic craft materials, drawing and printing media. It is a laboratory-lecture course that meets four hours per week. It will not apply for a major or a minor in art and art education. Majors and minors in that field should take the 101-102 and 131-132 sequence instead. It will satisfy the art requirements for elementary education majors. (MNI)

101 BASIC DRAWING I 3 cr.

This course embraces basic linear perspective with an introduction to aerial perspective (light and shade). Emphasis is on the qualities of line, texture, and volume for its expressive qualities. Work is done from the actual object and the human figure. This course will substitute for Drawing and Painting 106 in the elementary education curriculum at UW Milwaukee. The course meets for six hours per week as a workshop. Open to freshmen. (GB I; FV I; MN I; MR I)

ART

102 BASIC DRAWING II

3 cr.

This course continues the study of aerial perspective as applied to more complex objects and pictorial situations. There is a thorough exploration of many drawing media. This course meets six hours a week in a workshop. It will satisfy the art portion of the creative arts requirement in the elementary education curriculum. Open to freshmen. P: Art 101. (GB II; FV II; MN II; MR II)

121 ART SURVEY I

3 cr.

A lecture and discussion course covering the more expressive contemporary visual arts (painting, sculpture, graphic arts and popular arts) from the standpoint of the creative artist. There is a special emphasis on the interpretations that the creative artist makes of the sociological concepts of his time. Basic aesthetic principles are also stressed. This course may be substituted for Art 104 in the elementary education curriculum at UW Milwaukee. A field trip is a required part of the course. Open to freshmen. (GB II; FV I; MN I; MR II)

122 ART SURVEY II

3 cr.

A lecture-discussion course covering the functional contemporary visual arts, community planning and architecture, interior design, product development, and communication design with special emphasis on the study of these arts in relation to the creative artist and his times. Basic aesthetic and technological concepts are stressed. A field trip is a required part of the course. Open to freshmen. (GB I; FV II; MN II; MR I)

131 CREATIVE DESIGN I

3 cr.

This is a lecture-laboratory course that meets six hours per week. It deals with the basic elements of design in materials. This course will satisfy the art portion of the creative arts requirement in the elementary education course. Open to freshmen. (GB I; FV I; MN I; MR I)

ART

- 132 CREATIVE DESIGN II 3 cr.
- This is a lecture-laboratory course that meets six hours per week. It gives the student the basic elements of design as applied to three-dimensional materials. This course will satisfy the art portion of the creative art requirements in the elementary education course. Open to freshmen. (GB II; FV II; MN II; MR II)
- 151 INTRODUCTION TO PAINTING 3 cr.
- A lecture-laboratory course that meets six hours per week. Introduces the basic painting media--oil, water color, casein, etc. P: Art 102. (GB I, II; FV I, II; MN II)
- 161 LIFE DRAWING AND ANATOMY I 3 cr.
- A study of the human figure as a basic skill for all art expression. Investigations are made into fundamental bone and muscle structures as they apply to the visual arts. It is a laboratory course that meets six hours per week and draws from the living model. P: Art 102. (GB I; FV I)
- 162 LIFE DRAWING AND ANATOMY II 3 cr.
- A continuation of Art 161. A laboratory course meeting six hours per week. P: Art 161. (FV II)
- 201 WATERCOLOR I 3 cr.
- A laboratory course exploring watercolor as a medium of expression. The course meets six hours per week. P: Art 102 and 151. (GB II)
- 211-311 OIL PAINTING I 3 cr.
- A laboratory course exploring oil as a medium of expression. The course meets six hours per week. P: Art 151 and 161. (GB I; FV I)

ART

- 212-312 OIL PAINTING II 3 cr.
- A laboratory course exploring oil as a medium of expression. The course meets six hours per week. P: Art 151 and 161. (GB II; FV II)
- 221 SCULPTURE I 3 cr.
- A laboratory course that meets six hours per week. P: Art 132. (GB II; FV I)
- 261 CERAMICS I 3 cr.
- The introduction to the methods of pot production stressing slab, coil, and simple wheel construction. It is a laboratory course meeting six hours per week. P: Art 131 and 132. (GB I; MN I)
- 262 CERAMICS II 3 cr.
- A continuation of Art 261. (GB II; MN II)
- 301 GRAPHIC ARTS: RELIEF PRINTING 3 cr.
- Aspects of relief printing: wood cut, collage print, linoleum cut, and wood engraving; introduction to relief printing in full color. P: Art 151 and cons inst. (GB II)
- 306 GRAPHIC ARTS: SERIGRAPHY 3 cr.
- Materials and techniques of the silk-screen process; investigation of various types of stencils and resists used in serigraphy. P: Art 132 and 151 and cons inst. (GB II)
- 499 PROBLEMS IN VISUAL EXPRESSION cr arranged
- Problems of special interest to the advanced student in the visual arts to be considered under the direct guidance of the art faculty. P: sr st and visual arts option. (GB I, II; FV I, II)

BACTERIOLOGY

- 101 GENERAL SURVEY OF BACTERIOLOGY
P: Chemistry 102 or 108. (GB I, II; FV II)

BIOLOGY

- 151 INTRODUCTORY BIOLOGY 5 cr.
Living organisms: their structure, functional capabilities, development, perpetuation and evolution; open to freshmen; high school chemistry or concurrent registration in college chemistry strongly advised. (FV I)
- 152 INTRODUCTORY BIOLOGY 5 cr.
Living organisms: their diversity, behavior, ecology and evolution. P: Biology 151. (FV II)

BOTANY

- 100 SURVEY OF BOTANY 3
Structure, functions and life histories of representative plants throughout the plant kingdom. (FV II; MR I)
- 130 GENERAL BOTANY 5 cr.
An introduction to plant sciences including the structure, development and physiology of plants. The relation of the major plant groups and the principles of biology; illustrated with plant material. (GB I, II; FV I; MN II)
- 240 PLANTS AND MAN 2 cr.
Botanical and geographical history of plants important in the development of civilization and in world economy. P: soph st. (MN I)

BUSINESS

- 200 INTRODUCTION ACCOUNTING 3 cr.
- Fundamental principles of accounting; basic business terminology, techniques, and practices, books and accounts, and statements for retailing and wholesaling concerns; treatment and presentation of sole proprietorship, partnership, and introductory corporation accounts. Open to second semester freshmen; sophomore standing recommended. May not be included in credits for graduation in the College of Letters and Science in Madison. (GB I, II; FV I; MN I; MR I)
- 201 INTERMEDIATE ACCOUNTING 3 cr.
- Accounting theory, principles, concepts, and procedures as they apply to balance sheet and income statement accounts; presentation and interpretation of financial reports; including the problems of terminology, manufacturing valuation, and analysis. P: Business 200. (GB I, II; FV II; MN II; MR II)
- 202 BUSINESS AND ITS ENVIRONMENT 3 cr.
(Organization and Operations)
- The interaction of environmental factors with American business, including social, political and economic systems; the development of business practices and institutions. The first semester of the introductory course required of all business and public administration majors. P: soph st. (GB I)
- 203 GOVERNMENT AND BUSINESS 3 cr.
(Organization and Operations)
- Relations of businessmen and business firms with the levels of government: local, state and national corporations and bureaucracies as institutions, their similarities and differences; brief treatment of government regulation of business, and business determinants of government policy. The second semester of the introductory course for majors in business and public administration. P: soph st. (GB II)

BUSINESS

- 206 ACCOUNTING FOR ADMINISTRATORS
(Quantitative Methods)
- Accounting concepts and methods; interpretation and use of accounting reports and analyses for the managerial purposes of planning, coordination and control. P: Business 200, or jr st. (GB II)
- 302 COST ACCOUNTING 3 cr.
(Quantitative Methods)
- Problems of accounting for costs in administrative organizations; structural aspects, working knowledge, techniques for solving cost problems. P: Business 200 or 201. (GB I)
- 303 FINANCIAL ACCOUNTING, THEORY AND PRACTICE I 3 cr.
(Quantitative Methods)
- The analysis of accounting problems, methods of problem solving; presentation of financial data; determination of income under various bases of accounting; analysis of all accounts in financial statements. P: Quantitative Methods 302, or Business 201. (GB II)
- 310 LABOR UNIONS IN AMERICA 3 cr.
(Labor Relations)
- The history and development of labor unions in private business and in government service; present status of unionization. P: jr st. (GB I)
- 312 COLLECTIVE BARGAINING 3 cr.
(Labor Relations)
- Cases on the techniques and problems in the dealings between organized employees and their employers; industry-wide collective bargaining; constraints in the public service; administration of collective bargaining agreements. P: Labor Relations 310, or cons inst. (GB II)

BUSINESS

- 315 BUSINESS LAW 3 cr.
(Quantitative Methods)

Contracts, agency, negotiable instruments, sales, property, partnerships, corporations, bankruptcy law. P: jr st.
(GB I)

CHEMISTRY

- 102 GENERAL CHEMISTRY 5 cr.

Two hours of lecture; two hours of recitation; one three-hour laboratory or two two-hour laboratory periods. A course in general inorganic chemistry, beginning with the study of nonmetals and of the fundamental principles of chemistry. (GB I, II; FV I, II; MN I; MR I)

- 104 GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS 5 cr.

Two hours of lecture; two hours of recitation; one three-hour laboratory or two two-hour laboratory periods. Continuation of Chemistry 102. P: Chemistry 102. (GB I, II; FV I, II; MN II; MR II)

- 107 NUMERICAL PROBLEMS IN GENERAL CHEMISTRY 1 cr.

Open to all students who expect to take further courses in chemistry and required of chemistry course and chemical engineering students who cannot take Chemistry 110. P: Chemistry 104 or concurrent registration. (GB II; FV II; MN II)

- 108 GENERAL CHEMISTRY 5 cr.

For the student who will take only one semester of chemistry. Two hours of lecture; two hours of recitation; one three-hour laboratory or two two-hour laboratory periods. A one semester course with extra emphasis given to organic chemistry. Does not serve as a prerequisite for second semester general chemistry. (GB I, II; FV II; MN II)

CHEMISTRY

- 223 ELEMENTARY QUANTITATIVE ANALYSIS 4 cr.

Two hours of lecture, two three-hour laboratories. A course in the essentials of quantitative analysis. Analysis of naturally occurring ores and commercial materials. For chemistry course students, chemistry majors and chemical engineering students. Satisfies requirements for Chemistry 221.+ P: general chemistry, including qualitative analysis. (GB I; FV I; MR I)

+ Madison Campus Course

- 343 INTRODUCTORY ORGANIC CHEMISTRY 3 cr.

Three hours of lecture. Covers the chemistry of the paraffin and unsaturated hydrocarbons, cycloalkanes, alkyl halides, polyhalogen compounds, alcohols, ethers, monocarboxylic acids and their derivatives, aldehydes, ketones, amines, carbohydrates, proteins, benzene, its homologues, halogenation, nitration and sulfonation of aromatic hydrocarbons; aromatic amines; an introduction to resonance stereoisomerism and tautomerism. P: Chemistry 104, 106⁺ or 110⁺ (GB I; FV I; MN II; MR I)

- 344 INTRODUCTORY ORGANIC CHEMISTRY LAB 2 cr.

Six hours of laboratory. Includes the qualitative tests for elements found in organic compounds, the preparation, purification, and properties of a number of representative and important organic products, including ethylene, ethylene dibromide, butanone, ether, ethyl bromide, ethyl benzoate, acetyl chloride, acetic anhydride, aniline, acetanilide, nitrobenzene, sulfanic acid and methyl orange, and reactions of aldehydes, ketones, carbohydrates, and proteins. The principles and techniques involved with the various processes stressed. P: concurrent registration in or credit for Chemistry 343. (GB II; FV II; MR II)

CHEMISTRY

345 INTERMEDIATE ORGANIC CHEMISTRY 3 cr.

A continuation of Chemistry 343 covering derivatives of benzene and its homologues, polynuclear hydrocarbons and their derivations, polyhydroxy alcohols, polybasic acids, optical isomerism, further studies in proteins, sugars, starch, cellulose and its derivatives, heterocyclic compounds, synthetic drugs and alkaloids. Considerable emphasis is placed upon physiological applications of organic compounds. P: Chemistry 343. (GB II; FV II; MR II)

+ Madison Campus Course

COMPUTER SCIENCE

132 INTRODUCTION TO COMPUTING MACHINES 3 cr.

How computers work, communicating with computers, areas of application and significance, simple FORTRAN programming, elementary data processing and problem solving. An intensive and demanding survey course. P: intermediate level high school mathematics or a course in college mathematics. (GB I, II; FV I, II; MN I, II; MR I, II)

EARTH SCIENCES

303 CONSERVATION OF NATURAL RESOURCES 3 cr.

Principles of conservation of natural resources. Chemical, physical and biological processes occurring in nature which affect conservation and management of natural resources. P: soph st. (GB II)

320 SOIL ENVIRONMENT 3 cr.

The physical, chemical and biological properties of soils. Formation of soil, classification, distribution and conservation of soils. Use of the soil resource in agricultural, engineering, municipal and recreational activities. P: Chemistry 102 or 108. (GB I)

ECOLOGY

302 PRINCIPLES OF ECOLOGY 3 cr.

The biological principles which govern the interactions of plants and of animals in their physical and biotic environments. Physiological and behavioral adaptations, populations, successions, communities and ecosystems. Consideration is given to human societal modifications of environments and to concepts underlying strategies used in the management of natural resources. P: Botany 101, Zoology 102 or Biology 151. (GB II)

ECONOMICS

101 GENERAL ECONOMICS 3-4 cr.

A study of the economic system; emphasis on problems and policies for students not planning to major in economics. Economic institutions; markets and prices; income distribution; business fluctuations; economic growth; comparative economic systems. May not be taken for credit by students who have had or are currently enrolled in Economics 103 or 104. (GB I; FV I; MN I)

103 PRINCIPLES OF ECONOMICS I 3 cr.

Designed for students planning to major in economics and commerce or for students who desire a broad basic one year course in economics, covering economic method, institutions, national income, business fluctuations, international trade, economic growth, and comparative economic systems. Economics 103 may not be taken for credit by students who have taken Economics 101. (GB I; FV I; MN I; MR I)

104 PRINCIPLES OF ECONOMICS II 3 cr.

A continuation of Economics 103, covering economic problems of individuals, firms, and industries; emphasizing value, price and distribution of income. P: Economics 101 or 103. (GB II; FV I; MN II; MR II)

ECONOMICS

- 205 COMPARATIVE ECONOMIC SYSTEMS AND INSTITUTIONS 3 cr.
Analysis of contemporary functioning of different economic systems and institutions; comparison of principles of operation, social conditions, and objectives; role and function of cooperatives. P: soph st. (GB I)
- 305 NATURAL RESOURCES ECONOMIC POLICY 3 cr.
Acquaints the student with policies leading to public, private and public-private arrangements for the development, management and use of natural resources; their physical and economic classifications, physical and economic feasibility; benefits and costs; external effects. P: jr st. (GB II)
- 315 LABOR PROBLEMS 3 cr.
Problems of labor; group organizations of labor and management; their interrelationships with government. P: soph st. (FV II)
- 330 MONEY AND BANKING 3 cr.
Monetary and banking principles and practices; price theories; banking systems and their operation. P: jr st. (GB II; FV II; MN II)

EDUCATION

- 303 ELEMENTARY SCHOOL TEACHING METHODS IN ART 2 cr.
Teaching methods in art. Required for an elementary school teacher's license in Wisconsin. P: jr st. (GB I)
- 305 ELEMENTARY SCHOOL TEACHING METHODS IN MATHEMATICS AND SCIENCE 4 cr.
Teaching methods in mathematics and science. Required for an elementary school teacher's license in Wisconsin. P: jr st. (GB I)

EDUCATION

- 314 TEACHING METHODS IN THE SCIENCES 3 cr.

For students who wish to be licensed to teach chemistry, physics or biology in Wisconsin secondary schools. Appropriate differentiations are made for the needs of students preparing for chemistry, physics and biology. Students who wish to be licensed in science as a broad field major must have 22 credits in either biology, chemistry or physics, and a total of 24 credits in three other sciences. The other sciences may include physiology, conservation or earth science, as well as the two sciences from the above list of three (chemistry, physics, biology) not selected for concentration. P: jr st and the appropriate first-year course in the chosen field. (GB II)

- 316 TEACHING METHODS IN ART 2 cr.

For students who wish to be licensed to teach art in Wisconsin secondary schools. Appropriate differentiations are made for the needs of students according to the medium selected. P: jr st and the appropriate beginning course in art. (GB II)

ENGINEERING GRAPHICS

- 102 ELEMENTS OF DESCRIPTIVE GEOMETRY 3 cr.

Orthographic projection and its application to analysis and solution of three-dimensional problems involving points, lines, planes and solids; axonometric projections for pictorial representation with engineering applications. P: intermediate mathematics preparation or cons inst. (GB I; FV I; MN I; MR I)

ENGINEERING GRAPHICS

113 GENERAL ENGINEERING GRAPHICS 3 cr.

Advanced principles of projection and perspective, sectional views, dimensioning, freehand sketching, isometric and oblique pictorials, graphs and nomographs, maps, structures, machines, assembly drawings, electric circuits, and individualized problems designed to serve the requirements of the several engineering curricula. P: Engineering Graphics 102 or cons inst. (GB II; FV II; MN II; MR II)

ENGINEERING MECHANICS

101 STATICS 3 cr.

Principles of mechanics, force systems, equilibrium, structures, distributed forces, moments of inertia of areas, and friction. This course will serve the requirements of the several engineering curricula. P: Mathematics 221. (GB I; FV I; MN I; MR I)

102 DYNAMICS 3 cr.

Kinematics, force-mass-acceleration relations, work and energy, impulse and momentum, moments of inertia of mass. This course will serve the requirements of the several engineering curricula. P: Engineering Mechanics 101 and Mathematics 222. (GB II; FV II; MN II; MR II)

ENGLISH

- 100 WRITING FUNDAMENTALS 3 cr.
Required of all freshmen. (GB I; FV I; MN I; MR I)
- 102 EXPOSITORY WRITING 3 cr.
Required of all freshmen. (GB I, II; FV I, II; MN I, II; MR I, II)
- 104 LITERARY FORMS 3 cr.
A survey of major literary forms (epic, lyric, sonnet, ballad, ode, types of the novel, drama, essay, etc.) through intensive analysis of literary classics and significant contemporary works to reveal aesthetic structure and convention. (GB II; FV II; MN II; MR II)
- 107 COMPARATIVE LITERATURE 3 cr.
A survey course of mythological, classical and Biblical masterpieces of literature with emphasis on underlying ideas common to all periods. Musical, dramatic and artistic forms will be used for comparative discussions. (GB I)
- 108 COMPARATIVE LITERATURE 3 cr.
A survey course tracing the development of literature from Medieval and Renaissance masterpieces to the present. Art forms will be used to demonstrate the variety of approaches to universal themes (GB II)
- 205 SURVEY OF ENGLISH LITERATURE 3 cr.
An appreciative study of representative work by the most outstanding English writers, set against historical background. Prerequisite: completion of freshman English requirement. (GB I; FV I; MN I; MR I)
- 206 SURVEY OF ENGLISH LITERATURE 3 cr.
A continuation of English 205. (GB II; FV II; MN II; MR II)

ENGLISH

- 209 CONTEMPORARY LITERATURE 3 cr.
 An approach to literature through significant and representative modern prose and poetry. P: completion of freshman English requirement. (GB I; FV I; MN I)
- 210 CONTEMPORARY LITERATURE 3 cr.
 A continuation of English 209. (GB II; FV II; MN II)
- 211 AMERICAN LITERATURE 3 cr.
 A study of representative work by the most outstanding American writers, set against the historical background. P: completion of freshman English requirement. (GB I; FV I; MN I; MR I)
- 212 AMERICAN LITERATURE
 A continuation of English 211. (GB II; FV II; MN II; MR II)
- 320 SHAKESPEAREAN DRAMA AND DRAMATURGY 3 cr.
 Representative selections from Shakespeare's tragic, comic, and history plays. Techniques and problems of play production as these affect interpretation. (GB I)
- 331 MAJOR AMERICAN NOVELISTS 3 cr.
 Studies of Cooper, Hawthorne, Melville, Howells, Mark Twain, Henry James, Stephen Crane and Frank Norris. Attention will be paid not only to analyses of these writers' works as literary masterpieces representative of literary romanticism, realism, and naturalism, but also to defining these works in relation to the times in which they were written. (GB I)
- 332 LITERATURE OF THE AMERICAN RENAISSANCE 3 cr.
 Novels, essays and poetry of the period from the 1850's

ENGLISH

to the 1880's. Emerson, Thoreau, Whitman, Hawthorne, Melville and James. The basic guide for the course will be F. O. Matthiessen's critical-explicatory work, American Renaissance; other critical essays will be read along with the primary works to define and understand the American Renaissance. In addition to studying the major figures of the "movement", there will be some examination of the minor writers. (GB II)

499 PROBLEMS IN AMERICAN AND ENGLISH LITERATURE cr
arranged

An interdisciplinary seminar or tutorial course designed to review, explore and examine the fundamentals on which the student has based his work in literature and language. A critical survey is made of the student's total curricular program in an attempt to identify strengths which he might exploit and weaknesses which he might remedy. Substantial independent reading and writing will be required. (GB I, II)

ENVIRONMENTAL SCIENCES

499 READING AND RESEARCH cr arranged

Independent reading and research in selected subject matter areas. P: cons inst. (GB I, II)

FOODS AND NUTRITION

232 NUTRITIONAL SIGNIFICANCE OF FOOD 3 cr.

Fundamentals of human nutrition, including functions and requirements of essential nutrients; means of securing an adequate diet. Two hours of lecture, one hour discussion via telelecture and conference phone, one hour of individual problem study. P: one year of high school chemistry or one semester of college chemistry. (GB I)

FRENCH

- 103, 203 INTRODUCTION TO THE FRENCH LANGUAGE 4, 4 cr.
 Study of the structure of the French language with conversation, reading and writing based on the level of achievement. Courses are sequential. One year of high school French equals one semester university French. (GB I; FV I; MN I; MR I)
- 104 INTRODUCTION TO THE FRENCH LANGUAGE 4 cr.
 Continuation of French 103. (GB I, II; FV II; MN II; MR II)
- 204 INTRODUCTION TO THE FRENCH LANGUAGE 4 cr.
 Continuation of French 203. (GB II; FV II; MN II; MR II)
- 221 INTRODUCTION TO FRENCH LITERATURE 3 cr.
 Study of representative authors in French literature.
 P: French 204 or equivalent high school preparation; may be taken concurrently with French 225, 226. (GB I; FV I; MN I)
- 222 INTRODUCTION TO FRENCH LITERATURE 3 cr.
 Continuation of French 221. (GB II; FV II; MN II)
- 225 FRENCH COMPOSITION AND CONVERSATION 3 cr.
 Development of facility in oral and written French.
 P: French 204 or equivalent high school preparation; may be taken concurrently with French 221, 222. (GB I)
- 226 FRENCH COMPOSITION AND CONVERSATION 3 cr.
 Continuation of French 225. (GB II)
- 402 CONTEMPORARY FRENCH LITERATURE 3 cr.
 Study of major literary expressions in contemporary French novel, drama and poetry. P: French 222. (GB I)

FRENCH

403 CONTEMPORARY FRENCH LITERATURE 3 cr.

Continuation of French 402. (GB II)

498 SENIOR SEMINAR IN FRENCH LITERATURE 3 cr.

An intensive analysis of a specific writer or theme, topic to be changed each semester. Course may be offered as seminar or tutorial, depending upon demand. P: French 222. (GB I)

499 SENIOR SEMINAR IN FRENCH LITERATURE 3 cr.

Continuation of French 498. (GB II)

GEOGRAPHY

110 THE WORLD: PEOPLES AND REGIONS 3 cr.

Introduction to cultural geography through the study of representative and significant regions and nations. Open to freshmen. (GB II; FV II; MR II)

115 ECONOMIC GEOGRAPHY 3 cr.

Analysis of location of population and the distribution and character of the leading economic activities (agriculture, fishing, forestry, mining, manufacturing, transportation and trade) in major world regions. Open to freshmen. (GB I; FV I, II; MN II; MR I)

120 SURVEY OF PHYSICAL GEOGRAPHY 3 cr.

Characteristics and world distribution of physical factors which in combination form the natural environment; elements of weather and climate; climatic types, earth materials, landforms, and earth resources. Two hours of laboratory per week. Open to freshmen. (GB I; FV I; MN I)

GEOGRAPHY

- 123 PHYSICAL GEOGRAPHY 5 cr.
The form of the earth; earth-sun relationships; elements of climate; characteristics, distribution and significance of climatic types; the seas; natural vegetation; soils. Open to freshmen. (GB II; FV I, II; MN II; MR II)
- 124 PHYSICAL GEOGRAPHY 5 cr.
Introduction to maps; characteristics, distribution, and significance of landform types, the continental margins and the sea floors; water resources of the land; mineral resources. Open to freshmen. (GB I; FV I, II; MN I; MR I)
- 272 GEOGRAPHY OF THE GREAT LAKES REGION OF NORTH AMERICA 3 cr.
A systematic analysis of the areas surrounding the Great Lakes of the United States and Canada, with emphasis on the internal and external relationships of the region and on the economic activities of the region, its change and problems. P: soph st. (GB II)
- 325 REGIONAL CLIMATOLOGY 3 cr.
The elements, controls and classification of climates and the distribution of climatic types over the earth. Emphasis on the world patterns. P: jr st. (GB I)
- 361 GEOGRAPHY OF AFRICA 3 cr.
The broad physical and human patterns of Africa, emphasizing the historical aspects of geography including the imposition of colonial organization on resource use and on indigenous cultures. P: soph.st. (GB II)

GEOGRAPHY

371 UNITED STATES AND CANADA 3 cr.

A systematic analysis of the physical features, resources, people and economic activities of the United States and Canada. In addition, the various regions of the two countries are compared and contrasted. P: soph st. (GB I)

499 CONTEMPORARY PROBLEMS IN GEOGRAPHY cr arranged

Senior seminar or tutorial on selected topics and current issues related to cultural, physical, regional and urban geography, including current geographic problems related to students' off-campus experiences. It includes integrative individual projects developed for student reading, research and reports. P: pursuit of a geography option. (GB I, II)

514 WISCONSIN 3 cr.

Course covers the physical features, resources, peoples, land utilization, and economic development of the state. P: soph st. (MN I)

GEOLOGY

101 GENERAL GEOLOGY 5 cr.

Geologic processes in operation on and beneath the surface of the earth; lecture, laboratory, and field trips. Students who have had Geology 100* may receive only two credits. Open to freshmen. (GB I; FV I)

102 GEOLOGIC EVOLUTION OF THE EARTH 5 cr.

Physical history of the earth in relationship to the orderly development of life throughout geologic time; lecture, laboratory and field trips. P: Geology 100* or 101. (GB II; FV II)

* Center System Course

GERMAN

103, 203 INTRODUCTION TO THE GERMAN LANGUAGE 4, 4 cr.

Study of the structure of the German language with conversation, reading and writing based on the level of achievement. Courses are sequential. One year high school German equals one semester university German. (GB I; FV I; MN I; MR I)

104, 204 INTRODUCTION TO THE GERMAN LANGUAGE 4, 4 cr.

Continuation of German 103, 203. (GB II; FV II; MN II; MR II)

221 INTRODUCTION TO GERMAN LITERATURE 3 cr.

A study of representative authors in German literature. P: German 204 or equivalent high school preparation. (GB I; FV I; MN I; MR I)

222 INTRODUCTION TO GERMAN LITERATURE 3 cr.

Continuation of German 221. (GB II; FV II; MN II; MR II)

HISTORY

115 MEDIEVAL EUROPE, 410-1500 3 cr.

General introduction to the history of Europe from the later Roman Empire to the end of the Middle Ages. (GB I, II)

119 THE MAKING OF MODERN EUROPE, 1500-1815 3 cr.

An introduction to the principal developments in the history of Europe from the Renaissance to the fall of Napoleon. (GB I; FV I; MN I; MR I)

120 EUROPE AND THE MODERN WORLD, 1815 TO THE PRESENT 3 cr.

A general survey of the political, economic, social and cultural history of modern Western civilization. (GB II; FV II; MN II; MR II)

HISTORY

- 201 AMERICAN HISTORY 1607-1865 -- THE ORIGIN AND GROWTH OF THE UNITED STATES 3 cr.
Survey of American political, economic, and social development from the founding of the colonies to the Civil War. P: soph st. (GB I; FV I; MN I; MR I)
- 202 AMERICAN HISTORY, 1865 TO THE PRESENT 3 cr.
Survey of American political, economic and social development from the Civil War to the present. P: soph st. (FV II; MN II; MR II)
- 255 PROBLEMS IN AMERICAN HISTORY 3 cr.
Discussions, reports on reading, research papers; meet in weekly two-hour sections; enrollment limited. P: soph st with overall grade point average of 3.0, and/or cons inst. (GB I; FV I, II)

HUMAN BIOLOGY

- 331 INFANCY AND EARLY CHILDHOOD 3 cr.
Review of genetic and physical factors; social, emotional, cognitive development; family and other social interaction impacts. This would encompass motivation and learning; personality and intellect; sex role development. Practice in observing and recording behavior to be included. P: jr st. (GB I)
- 332 MIDDLE CHILDHOOD AND ADOLESCENCE 3 cr.
Scope as in Human Biology 331 with additional consideration of learning processes, peer- group, school and community impacts; identity crises in connection with adolescence. P: Human Biology 331. (GB II)
- 499 READING AND RESEARCH cr arranged
Independent reading and research in selected subject matter areas. P: cons inst. (GB I, II)

JOURNALISM

201 INTRODUCTION TO MASS COMMUNICATIONS 2 cr.

How the mass media are organized and how they function in modern society; their technological basis, economic and political foundations, and social implications. Required for journalism majors. P: soph st. (GB I; FV I; MR I)

203 NEWS WRITING 2 cr.

Practice in writing various types of news stories under close supervision of instructor; basic training for all informational writing. Required for journalism majors. Students may take this course by correspondence instruction if not currently available. P: Journalism 201 or concurrent registration; completion of English 102, or completion of English 101 with grade of A or B. (GB II; FV II; MR II)

LEISURE SCIENCES

402 RECREATION SUPPLY AND DEMAND ANALYSIS 3 cr.

Actual case problems in analyzing both supply and demand for recreation; theoretical concepts, determinants of supply and demand, including treatment of the substitution effect; pricing and allocation of recreation resources and services. P: Leisure Sciences 300 and 301 or cons inst. (GB II)

MATHEMATICS

101 INTRODUCTION COLLEGE ALGEBRA 2 cr.

Development of the number system and the fundamental operations of algebra; linear and quadratic equations; exponents and logarithms; variations; progressions; the binomial theorem. Primarily for students who have had "elementary preparation" (normally two years of high school mathematics including elementary algebra and geometry). Course will carry 2 credits for students who have had less than 3 years of mathematical preparation in high school (1-1 1/2 years of algebra and 1 year geometry). Course carries no credit for students who have had 3 years or more mathematical preparation or for students in engineering. (GB I, II; FV I, II; MN I; MR I)

107 INTRODUCTORY MATHEMATICS OF FINANCE AND PROBABILITY 4 cr.

Mathematical characteristics of currently used financial growth laws, annuities, amortization, sinking funds and bonds, the algebra of sets, elementary logic and probability, Bayes theorem, independence of events. Required course for business students which must be completed before enrolling in Business 201. Does not count as part of the mathematics requirement for the B. A. or B. S. degree but may be taken as an elective course for credit by students who are candidates for either of these degrees. P: completion of Mathematics 112 or equivalent; or advance mathematics preparation and a satisfactory score on the placement examination. (GB I, II; FV II; MN II)

112 COLLEGE ALGEBRA 3 cr.

Number systems and equations; inequalities; functions and graphs; complex numbers; theory of equations; mathematical induction; the binomial theorem. Primarily for both engineering and non-engineering students who have had intermediate mathematical preparation (1 1/2-2 years algebra and 1 year geometry). Not open for credit to students who have the prerequisites for Mathematics 221 or for students in engineering.

MATHEMATICS

P: intermediate mathematical preparation and a satisfactory score on the placement examination; or Mathematics 101. (GB I, II; FV I, II; MN I, II; MR I)

- 113 PLANE TRIGONOMETRY 2 cr.
- Trigonometric functions, identities, equations; solution of triangles. Primarily for both engineering and non-engineering students who have had 2 years of algebra and 1 year of geometry in high school. Not open for credit to students in engineering. P: 2 units of high school algebra and 1 unit of high school geometry and a satisfactory score on the placement examination; or Mathematics 112; or concurrent registration in Mathematics 112. (GB I, II; FV I, II; MN I, II; MR I)
- 115 MATHEMATICS FOR ELEMENTARY TEACHERS 4 cr.
- Basic concepts of set theory and logic; structure of mathematical systems; development of number systems; systems of numeration; historic background. P: 1 unit each of high school algebra and geometry; soph st and registration in the program for the preparation of elementary school teachers. (GB II; MN II)
- 221 CALCULUS AND ANALYTIC GEOMETRY 5 cr.
- An introduction to differential and integral calculus and plane analytic geometry. Selected topics from algebra and trigonometry will be reviewed as needed. P: Mathematics 112 and 113, or 4 units of high school mathematics and a satisfactory score on the placement examination. (GB I, II; FV I, II; MN I, II; MR I)
- 222 CALCULUS AND ANALYTIC GEOMETRY 5 cr.
- Continuation of Mathematics 221. Further topics in analytic geometry and linear algebra; transcendental functions; techniques of integration. For both engineering and non-engineering students. P: Mathematics 221. (GB I, II; FV I, II; MN I; MR I)

MATHEMATICS

- 223 CALCULUS AND ANALYTIC GEOMETRY 5 cr.
- Continuation of Mathematics 222. Solid analytic geometry; partial derivatives; multiple integrals; improper integrals; infinite series; linear systems and matrices. For both engineering and non-engineering students. P: Mathematics 222. (GB I, II; FV I, II; MN I, II; MR I)
- 321 LINEAR AND MATRIX ALGEBRA 2 cr.
- Vector spaces and vector space isomorphisms; linear transformations; matrices and matrix operations; determinants and solutions of equations; equivalence relations on matrices; canonical forms for similar matrices including a study of eigenvalues and eigenvectors; metric orthogonalization. P: Mathematics 223. (GB I, FV II)
- 322 LINEAR AND MATRIX ALGEBRA 2 cr.
- Continuation of 321 (GB II)
- 417 APPLIED DIFFERENTIAL EQUATIONS 3 cr.
- Ordinary differential equations and their applications, particularly equations of the first order and linear equations of the second order; systems of equations; series solutions; solution of linear equations by Laplace transforms. P: Mathematics 223 or equivalent. (MN II)

MUSIC

- 040 BAND 1 cr.
 Open to all students by tryout. Band training, study and performance of standard band literature. (GB I, II; FV I, II; MN I, II; MR I, II)
- 055 CHORUS 1 cr.
 Open to all students by tryout. Choral vocal training, study and performance of concert literature. (GB I, II; FV I, II; MN I, II; MR I, II)
- 101 FUNDAMENTALS OF MUSIC 2 cr.
 This course is designed to acquaint the student with the fundamentals of music through experiences with the keyboard, rhythm instruments, singing, listening, note reading and so forth, so that he will be able to teach and supervise his class music program. Not accepted as part of a music major or minor or towards a degree in L & S at Madison or Milwaukee. Class meets for 3 hours. (GB II; FV II; MN II; MR II)
- 121 FIRST YEAR THEORY 4 cr.
 Basic notation; intervals, scales and modes, rhythm; contrapuntal harmony, written and keyboard; sight singing and ear training; selected music for harmonic and form analysis. Open only to music majors and minors. It is recommended that students have a background in piano before taking this course. Class meets for 5 hours. (GB I; FV I; MN I; MR I)
- 122 FIRST YEAR THEORY 4 cr.
 Continuation of Music 121. (GB II; FV II; MN II; MR II)
- 201 INTRODUCTION TO MUSIC LITERATURE 2 cr.
 A guide to musical enjoyment and understanding, including listening experiences in the various styles and forms of

MUSIC

music, through assigned readings, the use of recorded music, sound films and attendance at concerts. Not accepted as part of a music major or minor. Class meets for three hours. (GB I; FV I; MN I; MR I)

- 211 HISTORY OF WESTERN MUSIC 3 cr.
- A survey of the historical development of musical style and theoretical concepts from ancient Greece to the present. P: freshman theory or its equivalent or cons inst. Class meets for four hours. (GB I; FV I; MR I)
- 212 HISTORY OF WESTERN MUSIC 3 cr.
- Continuation of Music 211. Class meets for 4 hours. (GB II; FV II; MR II)
- 221 SECOND YEAR THEORY 4 cr.
- Aural and written harmony; keyboard harmony and figured bass; harmonic counterpoint; sight-singing and sight-playing; ear training analysis. P: first year theory. Class meets for five hours. (GB I; FV I; MR I)
- 222 SECOND YEAR THEORY 4 cr.
- A continuation of Music 221. (GB II; FV II; MR II)
- 664 APPLIED MUSIC 2 cr.
- Class instruction in piano. (GB I, II; FV I, II; MR I, II)
 Class instruction in voice. (GB I, II; FV I, II)
 Private instruction in piano. (GB I, II; MR I, II)
 Private instruction in voice. (MR I, II)
 Private instruction in brass. (GB I, II; MR I, II)

NUTRITIONAL SCIENCE

- 302 NUTRITION AND CULTURE 3 cr.
Effect of environmental and cultural influences on food as related to the history of man. Role of food in health and disease as related to man and the biosphere. P: soph st. (GB II)

PHILOSOPHY

- 101 INTRODUCTION TO PHILOSOPHY 3 cr.
Introduction to philosophic thinking through examination of the problems of freedom, knowledge, and what is worthwhile. Open to freshmen and sophomores who have had no previous philosophy course other than Philosophy 211. (GB I; FV I; MN I)
- 102 INTRODUCTION TO SOCIAL PHILOSOPHY 3 cr.
Studies of opposing philosophical views about man and his political and social life. P: Philosophy 101 or soph st. (FV I)
- 204 MAN, RELIGION AND SOCIETY 3 cr.
Critical survey of theories about the sources of religion in the individual and in society, with emphasis on the consequences of religion for both the individual and society. P: 3 cr in philosophy. (GB II)
- 211 ELEMENTARY LOGIC 3 cr.
Principles, standards, and methods for distinguishing good reasoning from bad, as applied to deductive and inductive inferences. Nature and detection of fallacies, and linguistic pitfalls affecting reasoning. Open to freshmen and sophomores. (GB I, II; FV I, II; MN I, II)
- 241 INTRODUCTORY ETHICS 3 cr.
Nature of moral problems and of ethical theory, varieties of moral skepticism, practical ethics and the evaluation of social institutions. P: Philosophy 101 or soph st. (FV II; MN II)

PHILOSOPHY

- 253 PHILOSOPHY OF THE ARTS. 3 cr.
Production, appreciation and criticism of works of art; sources and use of standards. P: Philosophy 101 or soph st. (GB II; FV II)
- 302 HISTORY OF ANCIENT PHILOSOPHY 3 cr.
Critical study of the ideas of major philosophers from the pre-Socratics to Augustine with major emphasis on Plato and Aristotle and their relevance to contemporary problems. P: jr st. (GB II)
- 306 LINGUISTIC ANALYSIS 3 cr.
A critical examination of the functions of language and the relations between language and philosophical problems. Emphasis on the role of language analysis in the solution of philosophical problems and the works of Ludwig Wittgenstein. P: jr st and 3 cr in philosophy. (GB I)
- 307 BELIEF, KNOWLEDGE AND TRUTH 3 cr.
Study of the grounds of rational belief and knowledge, and the methods for obtaining them. Particular emphasis on the problems of evidence and truth. P: jr st and 3 cr in philosophy. (GB I)
- 499 CONTEMPORARY PROBLEMS IN PHILOSOPHY cr arranged
A seminar or tutorial required of senior students in the philosophy option. Critical analysis of current philosophical problems of interest to the class and instructor; seeks to integrate work in the philosophy option and to direct the results of such work to the solution of the problems discussed. P: senior st or cons inst. (GB I, II)

PHYSICS

- 105 GENERAL PHYSICS 4 cr.
Mechanics, heat, wave motion and sound. Three hours of lecture, three hours of discussion-laboratory. Recommended for students majoring in business, elementary education, medical technology, pharmacy, physical education, pre-dentistry and pre-medical studies. P: one unit high school algebra and one unit high school plane geometry. (GB I; FV I; MN I; MR I)
- 106 GENERAL PHYSICS 4 cr.
Continuation of Physics 105. Electricity and magnetism, light and modern physics. Three hours of lecture, three hours of discussion-laboratory. P: Physics 105. (GB II; FV II; MN II; MR II)
- 201 GENERAL PHYSICS FOR ENGINEERS 5 cr.
Mechanics, wave motion, sound and heat. Required of sophomores in civil, chemical, mechanical and mining engineering. P: Mathematics 222 or concurrent registration. (GB I; FV I; MN I; MR I)
- 202 GENERAL PHYSICS FOR ENGINEERS 5 cr.
Magnetism, electricity and light. Continuation of Physics 201. P: Physics 201. (GB II; FV II; MN II; MR II)

PHYSIOLOGY

- 104 ANATOMY AND PHYSIOLOGY 4 cr.
Lectures, recitation and laboratory dealing with the structure of the human body and the physiology of the organ systems. P: general chemistry; biology or zoology. (GB I; FV I; MN II)

POLITICAL SCIENCE

- 103 INTRODUCTION TO POLITICAL ANALYSIS 3 cr.
An introduction to political ideas and concepts, institutions, processes and methods of analyzing political systems. Open only to freshmen and sophomores. May not be taken by students who have had Political Science 104 or 183*. (GB I, II; FV I, II; MN I; MR I)
- 104 AMERICAN NATIONAL GOVERNMENT 3 cr.
A detailed study of the constitutional framework, institutions, functions and processes of the national government. Open only to freshmen and sophomores; may not be taken by students who have had Political Science 103 or 183*. (GB I, II; FV I, II; MR II)
- 105 STATE GOVERNMENT AND PUBLIC POLICY 3 cr.
The federal system, constitutional basis and structure of state and local governments; domestic functions of all levels of government; open only to freshmen and sophomores. P: Political Science 103, 104 or 183*, or cons inst. (GB II; MN II)
- 106 COMPARATIVE GOVERNMENT AND POLITICS 3 cr.
A comparative analysis of the political systems of major European and other selected nations of the world, stressing comparison of institutions, processes, and methods of comparative analysis. P: Political Science 103, 104 or 183*, or cons inst. (GB II; FV II; MN I; MR I)
- 175 INTERNATIONAL RELATIONS 3 cr.
A survey of conditions determining power and policies of individual nation-states; conflicting national policies; international institutions. P: Political Science 103, 104 or 183*, or cons inst. (GB I, II; FV II; MN II)

* Center System Course

POLITICAL SCIENCE

- 203 POLITICS OF DEVELOPING SYSTEMS 3 cr.
Political processes in contemporary developing systems; problems of nation building, the formulation of cross-national comparisons and emerging patterns of regional cooperation. P: soph st. (GB I)
- 222 POLITICS, PARTIES AND PRESSURE GROUPS 3 cr.
An analysis of the nature and functions of political parties; organization and leadership structure of political parties and pressure groups; nominations and elections; voting behavior; and survey research techniques. P: Political Science 103, 104 or 183* and soph st or cons inst. (GB II; FV I, II)
- 223 PROSEMINAR IN POLITICAL SCIENCE 3 cr.
The nature and subject of this course to be announced by instructor. P: Political Science 103, 104 or 183* and soph st or cons inst. (FV I)
- 303 ELECTIONS AND VOTING BEHAVIOR 3 cr.
Psychological and social elements in voting behavior, current electoral trends, role of voters in the governing process. P: jr st. (GB I)
- 307 CONCEPTS IN POLITICAL THEORY 3 cr.
An analysis of the nature of conceptual thought about politics. Examination of various problematic concepts central to both traditional and scientific theory: power, authority, community, justice. P: jr st. (GB II)
- 310 LABOR UNIONS IN AMERICA 3 cr.
The history and development of labor unions in private business and in government service; present status of unionization. P: jr st. (GB I)

* Center System Course

POLITICAL SCIENCE

- 499 CONTEMPORARY PROBLEMS IN POLITICAL SCIENCE cr
arranged

Senior seminar or tutorial on selected topics and current issues in political science related to concerns with American political behavior, comparative politics, international politics, political analysis and public administration; applications and limitations of political research to community problems; includes integrative individual projects developed for student reading, research and reports. P: pursuit of political science option. (GB I, II)

PSYCHOLOGY

- 201 INTRODUCTION TO PSYCHOLOGY 4 cr.

Development of human behavior in infant and child; motivation, frustration, emotion and biological functions; intelligent behavior; learning, retention, and forgetting; social behavior, language and thinking; personality; efficiency. P: soph st. (GB I; FV I)

- 202 INTRODUCTION TO PSYCHOLOGY 3 cr.

Continuation of Psychology 201. (GB II; MN I; MR I)

- 205 PSYCHOLOGY OF HUMAN ADJUSTMENT 3 cr.

Personality adjustment and maladjustment in normal persons; need frustration, and conflict; adjustive techniques, analysis and rehabilitation. This is designed as a terminal course for individuals in other areas of concentration, and does not count toward the major in psychology. P: Psychology 201 or 202. (GB II; MR II)

- 206 EXPERIMENTAL PSYCHOLOGY 3 cr.

Experimental designs applied to psychological problems. Individual and group projects. P: soph st. (GB II)

PSYCHOLOGY

- 331 INFANCY AND EARLY CHILDHOOD 3 cr.
(Identical with Human Biology 331)
Review of genetic and physical factors; social, emotional, cognitive development; family and other social interaction impacts. This encompasses motivation and learning; personality and intellect; sex-role development. Practice in observing and recording behavior to be included. P: jr st. (GB I)
- 332 MIDDLE CHILDHOOD AND ADOLESCENCE 3 cr.
(Identical with Human Biology 332)
Scope as in Psychology 331 with additional consideration of learning processes, peer-group, school and community impacts; identity crises in connection with adolescence. P: Psychology 331. (GB II)
- 337 SOCIAL BEHAVIOR DYNAMICS 3 cr.
Important factors in social behavior, roles, multiple group membership, cognitive processes, motivation, aggression, social prejudice. P: jr st and Psychology 202. (GB I)
- 338 PSYCHOLOGY OF LEARNING 3 cr.
Basic principles of conditioning and learning; functional relationships between salient variables related to rate of acquisition and degree of retention, transfer effects and related phenomena. P: jr st. (GB I)
- 499 CONTEMPORARY PROBLEMS IN PSYCHOLOGY cr arranged
Senior seminar or tutorial in selected topics and current issues in psychology related to concerns with psychological theory; industrial psychology and social psychology; values, uses and limitations of psychological

PSYCHOLOGY

concepts in community problems. Integrative individual projects will be developed for student reading, research and reports. P: pursuit of psychology option. (GB I)

507 PSYCHOLOGY OF PERSONALITY 3 cr.

Modern approaches to the organization and development of personality. P: Psychology 201 or 202. (FV II; MN II)

SOCIOLOGY

101 MAN IN SOCIETY: AN INTRODUCTION TO SOCIOLOGY 3 cr.

A course in interrelations of personality, society and culture; social processes, structures, institutions and functions as they affect the building up and tearing down of society. Open to freshmen. (GB I, II; FV I; MN I; MR I)

102 SOCIAL DISORGANIZATION 3 cr.

Conditions and processes in personal and social maladjustment; nature of social problems, their relation to social change and basic ideological, technological, and institutional structures and processes. Open to freshmen. (GB I, II; FV II; MN II; MR II)

224 PROBLEMS OF AMERICAN MINORITY GROUPS 3 cr.

The nature, problems and adjustments of American racial, religious, ethnic and nationality groups; proposals for reductions of intergroup tensions. P: soph st and an introductory course in sociology or cons inst. (GB I, FV I, MN II, MR II)

SOCIOLOGY

- 260 MARRIAGE AND FAMILY 3 cr.
Nature of the family. Processes of courtship and marriage interaction. Correlation of physiological, psychological, economic, and sociological contributions to marriage and family life. P: soph st or cons inst. (GB I, FV II, MN I, MR I)
- 278 CONTEMPORARY AMERICAN SOCIETY 3 cr.
Patterns of contemporary social life in the United States and Canada; cultural orientations, social structures and dynamics of social change. P: soph st. (GB II, FV II)
- 304 PROCESSES OF DEVIANT BEHAVIOR 3 cr.
Factors and conditions which influence fundamental values, relation of values to personal and social maladjustment; evaluation of various theories of deviant behavior; deviant behavior in different societies; group approaches to social reintegration. P: jr st. (GB I)
- 305 PROCESSES OF DEVIANT BEHAVIOR 3 cr.
A continuation of 304. P: Sociology 304. (GB II)
- 499 CONTEMPORARY PROBLEMS IN SOCIOLOGY cr arranged
Senior seminar or tutorial on selected topics and current issues in sociology related to concerns with demography, deviant behavior, social organization, and social theory; and the applications and limitations of sociological research to community problems; includes integrative individual projects developed for student reading, research and reports. P: pursuit of sociology option. (GB I, II)

SPANISH

103, 203 INTRODUCTION TO THE SPANISH LANGUAGE 4, 4 cr.

Study of the structure of the Spanish language with conversation, reading and writing based on the level of achievement. Courses are sequential. One year of high school Spanish equals one semester university Spanish. (GB I; FV I; MN I; MR I)

104, 204 INTRODUCTION TO THE SPANISH LANGUAGE 4, 4 cr.

Continuation of Spanish 103, 203. (GB II; FV II; MN II; MR II)

221 INTRODUCTION TO SPANISH LITERATURE 3 cr.

A study of representative authors in Spanish literature. P: Spanish 204 or equivalent high school preparation. (GB I; FV I; MN I)

222 INTRODUCTION TO SPANISH LITERATURE 3 cr.

Continuation of Spanish 221. (GB II; FV II; MN II)

Spanish 104 may be offered during the fall semester if warranted by sufficient student demand.

SPEECH AND DRAMA

100 THEATER LABORATORY cr arranged

Practical application of the principles of acting, directing, stagecraft and/or management through actual participation in campus dramatic productions. Specific requirements will be made by the instructor depending upon area or areas assigned. Open to all students every semester by cons inst. (Credit will not transfer to the UW-Madison, but will count toward theater division practicum requirements). (GB I, II; FV I, II; MR I, II)

SPEECH AND DRAMA

- 101 FUNDAMENTALS OF PUBLIC SPEAKING 3 cr.
 Development of fundamental skills in the preparation, delivery and evaluation of the common forms of public address. Open to all students except those who have had an introductory speech course. (GB I, II; FV I, II; MN I, II; MR I, II)
- 130 INTRODUCTION TO DRAMATIC ARTS 3 cr.
 Study of the nature of drama, important plays and presentations on stage, motion pictures, radio and television. Open to all students. (FV I; MN I; MR I)
- 132-232 ACTING 3 cr.
 Action, voice and analysis of character for portrayal of realistic roles in proscenium and arena. P: soph st. Open also to second semester freshmen who have successfully completed an introductory course in speech or drama, and with cons inst. (GB I; FV I; MN II; MR II)
- 133-233 ACTING 3 cr.
 Continuation of 132-232. (GB II; FV II)
- 230 FUNDAMENTALS OF ORAL INTERPRETATION 2 cr.
 Emphasis on understanding literature through study of meaning, imagery, mood and theme; analysis and development of techniques in presentation. P: soph st; non-majors in speech must have cons inst. Open also to second semester freshmen who have successfully completed an introductory course in speech or drama and with cons inst. (GB II; FV I; MN I)
- 241 THEATER HISTORY: 3 cr.
 ANCIENT GREECE TO 17TH CENTURY FRANCE
 Drama and theater practice in Europe from 500 B. C. to 1700 A. D. P: soph st. (GB I)

SPEECH AND DRAMA

- 242 THEATER HISTORY: 3 cr.
 AGE OF ENLIGHTENMENT AND THE ROMANTIC REVOLT
- A continuation of Speech 241, but may be taken as an independent unit. Drama and theater practice in France, Germany, Italy and Scandinavia from 1700 to 1850. P: soph st. (GB II; FV II)
- 243 THEATER LITERATURE: 3 cr.
 LATE 19TH CENTURY
- A study of the development of modern realistic drama, its nature, trends and impact, through the plays of Büchner, Ibsen, Zola, Strindberg, Chekhov, Hauptmann and others (in translation). P: soph st. (GB I; MR I)
- 244 THEATER LITERATURE: 3 cr.
 THE 20TH CENTURY
- The development of realism and expressionism in the plays and dramatic theory of Wedekind, Pirandello, Anouilh, Nietzsche, Ionesco and Brecht (in translation). P: soph st. (GB II; FV II; MR II)
- 264 THEORY AND PRACTICE OF PERSUASION 3 cr.
- Consideration of principles and methods of persuasion with practice in the preparation and delivery of various types of persuasive speeches. P: soph st and a minimum of 2 credits in an elementary speech course or cons inst. Open also to second semester freshmen who have successfully completed an introductory course in speech and with cons inst. (FV II)
- 266 THEORY AND PRACTICE OF GROUP DISCUSSION 3 cr.
- Study of the structure and dynamics of small group decision-making; includes critical and creative problems in group interaction processes. P: soph st and minimum of 2 credits in elementary course. Open also to second semester freshmen who have successfully completed an introductory course in speech and with cons inst. (GB II; FVI; MN II)

SPEECH AND DRAMA

302 DRAMATURGY (PLAYWRITING) 3 cr.

The study of the craft of writing for the theater. Representative theories and playscripts will be studied, but primary emphasis will be upon the creation of original scripts. Student scripts will be read and discussed. Some will be staged, in a rudimentary way, for fuller realization and evaluation. P: jr st or portfolio. (GB II)

303 STAGE DIRECTION 3 cr.

This course will entail the study of various theories and techniques of theatrical staging. Students will direct scenes of varying lengths and complexity from various kinds of drama and types of staging. Study of dramas, dramatists, critics and directors will lead to these staging exercises. Because of the demands of staging substantial scenes, class periods of either two 75-minute periods or one 150-minute period per week are advisable. P: prior theater experience. (GB I)

499 CONTEMPORARY PROBLEMS IN THE PERFORMING ARTS cr arranged

An opportunity for advanced students to pursue individual problems in the performing arts. Work may be done in music, dance, theater, opera. P: cons inst. (GB I, II)

ZOOLOGY

101 ANIMAL BIOLOGY 5 cr.

The anatomy and physiology of the vertebrate body; an introduction to histology, embryology, heredity and evolution. Laboratory emphasis is upon the frog and its relation to the human body. (GB I, II; FV II; MN I; MR I)

ZOOLOGY

160 HEREDITY 3 cr.

General course in genetics designed for students not specializing in science; principles of heredity with applications to plant, animal and human inheritance; current advances in genetics and their bearing on life sciences; lectures, demonstrations, discussion. (MR II)

403 GENERAL LIMNOLOGY 3 cr.

An introduction to the physical, chemical and biological interactions in lakes and streams as expressed in the nature and dynamics of aquatic communities. Consideration of laboratory and field techniques used in the characterization of the aquatic environment. P: One semester of biology, botany or zoology; Chemistry 104 or 108. (GB 1)

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