

Accounting and Management Information Systems

211 Introduction to Accounting U 5

Preparation and use of accounting reports for business entities; focus on uses of accounting for external reporting, emphasizing accounting as a provider of financial information.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq or concur: Econ 200 or equiv. Not open to students with credit for 201 or 310 or equiv. This course is available for EM credit.

212 Introduction to Accounting U 5

The uses of accounting reports in management decisions and in control of business operations; focus is on the internal use of accounting information.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 211 or equiv; and Econ 200 or equiv. Not open to students with credit for 201 or 310 or equiv. This course is available for EM credit.

310 Foundations of Accounting U 5

A survey of accounting for non-business students; financial statements and analysis; accounting for assets, liabilities and owners equity; and elements of managerial accounting.

Su, Au, Wi, Sp Qtrs. 1 2-hr cl. Prereq: Math 130; Econ 200 and CS&E 100 or equivalents. Not open to students with credit for Acct&MIS 201, 211 or 212 or to students enrolled in the BSBA program. Credit does not count toward the BSBA degree.

525 Cost Accounting U G 5

Managerial decision making in organizations with an emphasis on the use of financial data; theory and practice of management control.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 212 and Math 132 or 152 and Bus-Mgt 330 and 331 and Bus Adm 499.

631 Introduction to Accounting Information Systems U G 5

The design and control of computer-based accounting information processing systems.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H631 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: 212 and CS&E 200 and Bus-Mgt 330 and 331 and Bus Adm 499; or permission of instructor. Not open to students with credit for 531.

African-American and African Studies

201 Introduction to African-American and African Studies U 5

Introduction to scholarly study of Black experience from the 15th century to the present, focusing on patterns of resistance, adaptation and cultural diversity.

Not open to students with credit for 101. GEC soc sci individuals and groups course.

230 The Black Woman: Her Role in the Liberation Struggle U 5

The political role of the black woman in the struggle for black freedom; examination of changing laws and customs affecting the status of black women.

GEC social diversity course.

251 Introduction to African Literature U 5

An assessment of the oral prose tradition and written prose of African literature; specific emphasis placed on student reading from primary sources.

GEC arts and hums lit course.

323 History of African-Americans

Cross-listed in History.

323.01 History of African-Americans in the Age of Slavery U 5

Origins of modern slavery; its development in the U.S.; the evolution of African-American life and culture from 1619 to the end of the Civil War.

Au, Wi Qtrs. Not open to students with credit for 223 or History 223, or 260.

323.02 History of African-Americans from Emancipation to the Present U 5

The rise of debt peonage among blacks; the formation of the northern ghetto; the Civil Rights Movement and beyond.

Not open to students with credit for 224, 238, or History 224, 260, or 323.02.

Anatomy

199 Basic Human Anatomy

The basics of human anatomy supplemented by computer-assisted instruction and demonstrations of human material.

4 1-hr cl, 1 2-hr lab. Not open to students with credit for 200.

199.01 Basic Human Anatomy U 5

Au, Wi, Sp Qtrs. Prereq: Health Sciences students in CED and ASC.

200 Introductory Anatomy U 6

Fundamental principles of human anatomy, supplemented by demonstrations of human material.

Au, Wi, Sp Qtrs. 4 cl, 2 2-hr labs. Not open to students with credit for 199.

Anthropology

200 Introduction to Physical Anthropology U 5

A scientific examination of humans as a biological and cultural organism based on primate evolution from living and fossil evidence; evolutionary theory and population adaptability.

Su, Au, Wi, Sp Qtrs. 5 cl. H200 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Biology 101 or equiv. Not open to students with credit for 251. NS Admis Cond course. GEC bio sci course.

201 World Prehistory: An Anthropological Perspective U 5

World prehistory from the origin of human culture through the development of civilization illustrated by selected examples; archaeological field method; concepts of analysis and interpretation.

Su, Au, Wi, Sp Qtrs. 5 cl. H201 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 261. GEC soc sci individuals and groups course. SS Admis Cond course. E201 may be available for honors embedded experience at the regional campuses.

202 Peoples and Cultures: An introduction to Cultural Anthropology U 5

Comparative survey of traditional and contemporary peoples in the several world culture regions; culture concepts; study of selected topics.

Su, Au, Wi, Sp Qtrs. 5 cl. H202 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC soc sci individuals and groups course. SS Admis Cond course.

294 Group Studies U 2-5

Designed to give groups of students an opportunity to pursue special studies in topics not otherwise offered.

Su, Au, Wi, Sp Qtrs. Repeatable to a maximum of 10 or hrs.

553 New World Prehistory

Detailed surveys of native American prehistory in select regions from the earliest evidence of occupation to the intrusion of Old World populations.

Prereq: 201.

553.02 Prehistoric Indians of Eastern North America U G 5

Survey of the archaeology and cultural history of North America east of the Rocky Mountains.

Sp Qtr. 4 cl. Not open to students with credit for 550, 551, or 551.01.

Art

200 Concepts and Issues in Art U 2

An orientation for new art students and a survey of art making with an emphasis on contemporary works.

Su, Au, Wi, Sp Qtrs. 2 cl. Not open to students with credit for 162.

205 Beginning Drawing U 5

An introduction to basic freehand drawing, exploration of a range of drawing methods, media, concepts; emphasis on drawing from observation.

Su, Au, Wi, Sp Qtrs. 1 cl, 3 3-hr labs. H205 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 170. GEC arts and hums VPA course. VPA Admis Cond course.

206 Visual Studies: Two Dimensional Art U 5

Basic concepts of two-dimensional art dealing with visual structure, process, content, and invention.

Su, Au, Wi, Sp Qtrs. 3 3-hr labs. H206 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 172. GEC arts and hums VPA course. VPA Admis Cond course.

207 Visual Studies: Three-Dimensional Art U 5

Basic concepts of three-dimensional art dealing with the organization of space and form, using a variety of materials, processes, tools.

Su, Au, Wi, Sp Qtrs. 3 3-hr labs. Prereq or concur: 172 or 206. Not open to students with credit for 182.

208 Visual Studies: Four Dimensional Art Real and Recorded Time U 3

Introduction to basic concepts of real time and recorded time-based artworks using a variety of processes and media.

Au, Wi, Sp Qtrs. 3 2-hr cl. Prereq: 170 or 205, 172 or 206, and 182 or 207. Not

open to students with credit for 260.

Art Education

160 Art and Music since 1945 U 5

A survey of the visual arts and music in the western world since 1945, based on live and recorded performances and exhibitions.

Au, Wi, Sp Qtrs. 2 2-hr cl, 1 1-hr rec. Not open to students with credit for Arts Col 160. GEC arts and hums VPA course. VPA Adms Cond course. Also offered as a Web-delivered course (160D Au, Wi, Sp Qtrs).

367 Second Writing Course

Su, Au, Wi, Sp Qtrs. 2 2.5-hr cl. Prereq: English 110 or 111 or equiv, and soph standing.

367.01 Ethnic Arts: A Means of Intercultural Communication U 5

A study of the artists, the artworks, and art worlds from diverse ethnic cultures in North America.

H367.01 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 367. GEC second writing, arts and hums VPA, and social diversity course.

600 Art and Curriculum Concepts for Teachers U G 3

Problems of teaching in terms of personal knowledge about art, insight into children's art work, and understanding of elementary school curriculum.

Su, Au, Wi, Sp Qtrs. 3 2-hr labs.

Arts and Sciences

101 First- or Second-Year Seminar U 1

Seminars on varying topics taught by University faculty.

H101 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Fr or soph standing or permission of instructor. Repeatable to a maximum of 15 cr hrs. This course is graded S/U.

120 Internet Tools and Research Techniques U 2

This 4-week online course teaches about internet browsing and communication tools, effective search and Web evaluation strategies. See: <http://liblearn.osu.edu>

Au, Wi, Sp Qtrs. This is a 4 week course that begins in the 4th week of the quarter. Distance Learning Course (Web taught).

Biology

101 Introductory Biology U 5

Basic principles of biology; topics include nature of science, organismal diversity, evolution, ecology, genetics, reproduction, cell structure and function.

Su, Au, Wi, Sp Qtrs. 3 cl, 1 3-hr rec/lab; or 2 1.5-hr cl, 1 3-hr rec/lab. Prereq: Math 075 or 076 or 104 or Mathematics Placement Level R. Not open to students with credit for 113 or H115, or Entomol 101, or PCMB 101. Not intended for the student pursuing an undergraduate major in one of the biological sciences. This course is available for EM credit. GEC bio sci course. E101 may be available for honors embedded experience at the Newark Campus.

102 Human Biology U 5

Exploration of human biology; topics include structure and physiological function, reproduction and development, genetics and disease, ecology and evolution.

Su, Au, Wi, Sp Qtrs. 3 cl or 2 1.5-hr cl, 1 2-hr film/video presentat[i]l. Prereq: 101. Not open to students with credit for 114 or H116. Not intended for the student pursuing an undergraduate major in one of the biological sciences. This course is available for EM credit. GEC bio sci course.

113 Biological Sciences: Energy Transfer and Development U 5

Exploration of biology and biological principles; evolution and the origin of life, cell structure and function, bioenergetics, and genetics. A broad introduction to biology comprises both Biology 113 and 114.

Su, Au, Wi, Sp Qtrs. 3 cl or 2 1.5-hr cl, 1 3-hr lab, 1-hr rec. Prereq: Chem 101 or 121 or H201. Not open to students with credit for H115. This course and 114 provide a comprehensive two-qtr sequence in general biology. This course is available for EM credit. GEC bio sci course. NS Adms Cond course.

114 Biological Sciences: Form, Function, Diversity, and Ecology U 5

Exploration of biology and biological principles; evolution and speciation, diversity in structure, function, behavior, and ecology among prokaryotes and eukaryotes. A broad introduction to biology comprises both Biology 113 and 114.

Au, Wi, Sp Qtrs. 4 cl, 1 3-hr lab. Prereq: 113. Not open to students with credit for H116. This course is available for EM credit. GEC bio sci course. NS Adms Cond course.

293 Individual Studies U 1-10

Individual Study projects in selected topics in Biology.

Prereq: Permission of instructor. Repeatable to a maximum of 10 cr hrs. This

course is graded S/U.

597 Biology of Human Diversity: Race, Gender, and Ethnicity U 5

Historical perspectives on contemporary issues in human biology and biocultural problems.

Au, Sp Qtrs. 3 cl, 1 2-hr rec. Prereq: 10 cr hrs of biological sciences course work and sr standing. GEC contemporary world and social diversity course.

Business Administration

499 Business Skills and Environment I U 4

Introduction to the environment of business and development of skills preparatory to the multi-disciplinary upper division curriculum in business.

Su, Au, Wi, Sp Qtrs. 1 hr lec, 2 2-hr rec. H499 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Soph standing in the Business Administration major. This course is a prerequisite for specialization courses in Business.

555 Introduction to International Business U 4

Basic coverage of world trade and investment problems, and introduction to multinational corporation strategies and the various types of environments in which they do business.

Su, Au, Wi, Sp Qtrs. 22-hr cl. H555 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Econ 201 or 400. H555: Open only to students in the Honors Business Administration Cohort Program.

Business Administration: Finance

220 Personal Finance U 4

Budgeting, credit, borrowing money, bank relationships, savings, insurance, real estate, stocks and bonds, income taxes, social security, annuities, wills, trusts, estates, and taxes.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 2nd yr standing. Not open to students in the College of Business majoring in either accounting or finance.

420 Foundations of Finance U 4

Survey of topics in finance for non-business students including: discussion of investment, time value of money, financial markets, financial institutions, risk and return, corporate and international business.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: Acct&MIS 310, Math 130 or equiv; Econ 200 and CS&E 100 or equivs. Not open to students with credit for Bus-Fin 494 (Spring 2001) or 620; or to students enrolled in the BSBA program. Credit does not count toward the BSBA degree.

510 Legal Environment of Business U 4

An introduction to American legal institutions and sources of law and an analysis of basic concepts of public and private law related to business decisions.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H510 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Jr standing. Honors section open only to students in the Honors Business Administration Cohort Program.

620 Business Finance U G 4

Introduction to financial management of business firms; financial analysis, planning and control; working capital management; capital investment decisions and required rates of return; capital structure decisions and sources of financing.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H620 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Econ 200 and 201, or equivs; and Acct&MIS 201 or 212 or equiv. H620: Open only to students in the Honors Business Administration Cohort Program. This course is available for EM credit.

722 Investment Management U G 4

Investment objectives; types of investments and their relative merits; security prices and yields; investment programs; and taxes.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 620 or equiv and Bus-Mgt 330 and 331 and Bus Adm 499; or permission of instructor.

Business Administration: Management and Human Resources

400 Foundations of Management and Human Resources U 4

Survey of topics in management and human resources for non-business students. The material includes a discussion of organizational behavior, human resource management and labor markets.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: Math 130, CS&E 100, and Econ 200 or equivs. Not open to students with credit for 500, 500X or 701; or to students enrolled in the College of Business. Credit does not count toward the BSBA degree.

490 New Venture Creation U 5

Examines the creation of businesses in the face of uncertainty. Analyzes market opportunities, entrepreneurial strategies, innovative business concepts, business plans and financing new ventures.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 290.

701 Managing Individuals in Organizations: Organizational Behavior and Human Resources U 5

Principles for managing the performance of individuals and groups in organizations; introduction to organizational behavior theory and its application to staffing, training, compensation, and appraisal.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H701 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Jr standing. Not open to students with credit for 400. H701: Open only to students in the Honors Business Administration Cohort Program.

769 Strategic Human Resource Management U 4

Examination of a strategic perspective for managing employees that emphasizes the use of ethical practices and evaluates how practices fit together and with organizational objectives.

Au Qtr. 2 2-hr cl. Prereq: 701 or 400; or permission of instructor.

Business Administration: Management Sciences

330 Decision Sciences: Statistical Techniques U 5

Examination of the use of statistical techniques in managerial decision-making processes; confidence intervals, hypothesis testing, simple and multiple regression, quality control.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: CS&E 200 and Stat 133 or equiv.

331 Decision Sciences: Operations Research, Modeling and Applications U 4

Examination of the use of operations research models in managerial decision making processes: linear programming, decision analysis and simulation applications. Emphasis on formulation and interpretation of models; supported by spreadsheet based software.

Su, Au, Wi, Sp Qtrs. 2-2-hr cl. Prereq: CS&E 200 and Stat 133 or equiv.

430 Foundations of Operations Management U 4

A survey of operations management for non-business students including discussion of operations management issues in both manufacturing and service organizations including management and purchasing.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: Math 130, CS&E 100, and Econ 200 or equivs. Not open to students with credit for Bus-Mgt 630; or for students enrolled in the College of Business. Credit does not count toward the BSBA degree.

630 Introduction to Operations Management: Improving Competitiveness in Organizations U G 4

Key operating issues in service and manufacturing organizations that have strategic and tactical implications. Students participate in discussions relating current business events to operations management and case analysis.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H630 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Jr standing and Stat 133 or equiv. H630: Open only to students in the Honors Business Administration Cohort Program.

731 Quality Management U G 4

Examines quality management topics such as statistical process control, process design, capability analysis, house of quality, performance measurement, Baldrige Quality Award, cost of quality, etc.

Au, Wi Qtrs. 2 2-hr cl. Prereq: 330, 331, 630 and Bus Adm 499; or permission of instructor.

732 Operations Planning and Control U G 4

An analysis of the planning and control of materials as they flow within an organization; topics include production planning, material requirements planning (MRP), capacity management, master production scheduling, and just-in-time techniques.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 330, 331, 630 and Bus Adm 499, or permission of instructor.

Business Administration: Marketing and Logistics

450 Foundations of Marketing Management U 4

A survey of marketing for non-business students including discussion of marketing practice tools and concepts and their applications in profit and non-profit organizations.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: Math 130; Econ 200 and CS&E 100 or equivs. Not open to students with credit for Bus-M&L 494 (Summer 2001) or 650; or to students enrolled in the BSBA program. Credit does not count toward the BSBA degree.

650 Marketing U G 4

Critical survey of field of marketing; structure, functions, policies, costs, and problems analyzed from consumer and other viewpoints; emphasis on principles, trends, and quantitative expression.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H650 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Econ 200 or equiv. H650: Open only to students in the Honors Business Administration Cohort Program.

751 Managerial Marketing U G 4

Marketing policies and strategy; organization, demand analysis, product planning, pricing, physical distribution, and promotion from a managerial viewpoint.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 650 or equiv; and Bus-Mgt 330 and 331 and Bus Adm 499.

Chemistry

101 Elementary Chemistry U 5

Introductory general chemistry for non-science majors, including dimensional analysis, atomic structure, bonding, chemical reactions, states of matter, solutions, chemical equilibrium, and acids and bases.

Su, Au, Wi, Sp Qtrs. 4 cl, 3 lab hrs. Prereq: Eligibility to enroll in Math 116. Not open to students with credit for 121 or H201. Safety glasses must be worn in lab. This course is available for EM credit with permission. GEC phys sci course. NS Admis Cond course.

102 Elementary Chemistry U 5

Introductory organic and biological chemistry, including saturated and unsaturated hydrocarbons, alcohols, ethers, aldehydes, ketones, carboxylic acids, esters, amines, stereoisomerism, carbohydrates, lipids, proteins, and nucleic acids.

Au, Wi, Sp Qtrs. 4 cl, 3 lab hrs. Prereq: 101. Safety glasses must be worn in lab. This course is available for EM credit with permission. GEC phys sci course. NS Admis Cond course.

121 General Chemistry U 5

First course for science majors and engineering students, covering dimensional analysis, atomic structure, the mole, stoichiometry, chemical reactions, thermochemistry, electron configuration, periodicity, bonding, and molecular structure.

Su, Au, Wi, Sp Qtrs. 4 cl, 3 lab hrs. Prereq: One unit of high school chem and eligibility to enroll in Math 150. Not open to students with credit for H201. Safety glasses must be worn in lab. This course is available for EM credit with permission. GEC phys sci course. NS Admis Cond course.

122 General Chemistry U 5

Continuation of 121 for science majors, covering acids and bases, redox reactions, gases, liquids, solids, solutions, colligative properties, kinetics, and chemical equilibrium.

Su, Au, Wi, Sp Qtrs. 4 cl, 3 lab hrs. Prereq: 121 or completion of 101 with a grade of A or A- and eligibility to enroll in Math 150. Not open to students with credit for 125 or H202. Safety glasses must be worn in lab. This course is available for EM credit with permission. GEC phys sci course. NS Admis Cond course.

123 General Chemistry U 5

Continuation of 122 for science majors, covering solubility and ionic equilibria, qualitative analysis, thermodynamics, electrochemistry, descriptive chemistry, coordination compounds, and nuclear chemistry.

Su, Au, Wi, Sp Qtrs. 3 cl, 6 lab hrs. Prereq: 122. Safety glasses must be worn in lab. This course is available for EM credit with permission. GEC phys sci course.

Classics

101 Ancient Greek Literature in Translation U 5

Introductory survey of the Greek achievement in literature and its contribution to Western thought; selected readings in English translation in major authors from Homer through the Hellenistic age.

Au, Wi, Sp Qtrs. 5 cl. H101 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 220. GEC arts and hums lit course.

102 Roman Literature in Translation U 5

Introductory survey of Roman literature and its importance in the Western literary tradition; selected readings in English translation in major authors, such as Plautus, Vergil, and Ovid.

Au, Wi, Sp Qtrs. 5 cl. H102 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 221. GEC arts and hums lit course. E102 may be available for honors embedded experience at the regional campuses.

222 Classical Mythology U 5

Origins and attributes of the Greek and Roman gods and goddesses, their mythology and its influence on Western culture.

Au, Wi, Sp Qtrs. 5 cl. H222 (honors) may be available to students enrolled in

an honors program or by permission of dept or instructor. Not open to students with credit for H122. GEC arts and hums lit course.

Communication

101 History of Human Communication U 5

History of human communication from beginning of spoken and written communication to modern mediated and mass communication.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Not open to students with credit for J Com 101. GEC soc sci individuals and groups course.

105 Communication of Ideas and Attitudes U 5

Analysis, formulation, organization, development, and delivery of ideas and attitudes for speaking with an audience.

5 cl. Not open to students with credit for J Com 105. VPA Admis Cond course.

200 Communication in Society U 5

Role of communication in society; forms, strategies, theories and issues; interpersonal, group, organizations, public and mass communication.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Not open to students with credit for J Com 200. GEC soc sci individuals and groups course.

367 Persuasive Communication U 5

Principles of persuasion as reasoned discourse.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H367 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: English 110, 110.01, 110.02, 110.03 or equiv, and soph standing or above. Not open to students with credit for J Com 367. GEC second writing course.

Comparative Studies

100 Introduction to the Humanities: Cross-Cultural Perspectives U 5

Explores the role of literature and the arts in constructing, maintaining, and questioning the values and beliefs of diverse cultures and historical periods; topics vary.

H100 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC arts and hums lit course.

201 Literature and Society U 5

Study of relationships among politics, society, and literature; analysis of social and political elements of literature and film from diverse cultures and historical periods.

H201 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: English 110 or equiv. GEC arts and hums lit course.

202 Religious Studies

Prereq: English 110 or equiv. GEC arts and hums lit courses.

202.01 Literature and Religion U 5

Study of relationships between religion and secular literature; analysis of religious and spiritual elements of literature and film of diverse cultures and historical periods.

H202.01 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor.

270 Introduction to Comparative Religion U 5

Introduction to the academic study of religion through comparison among major traditions (Judaism, Christianity, Islam, Hinduism, Buddhism, etc.) and smaller communities.

H270 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: English 110 or equiv. Not open to students with credit for Rel Stds 270. GEC arts and hums cultures and ideas course.

272 Science and Society U 5

Critical analysis of the multiple relations of science to society, with emphasis on knowledge, power, authority, values, and ethics.

Prereq: English 110 or equiv. GEC arts and hums cultures and ideas course.

294 Group Studies U 1-5

Designed to give groups of students an opportunity to pursue special studies not otherwise offered.

H294 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Written permission of instructor. Repeatable to a maximum of 10 or hrs.

298 Study Tour

Specific content, location, quarter(s) of offering, and prerequisites vary; contact department office for details.

Prereq: Permission of instructor. Repeatable for different titled study tours only.

298.02 Foreign U 1-15

Repeatable.

597 Issues of the Contemporary World

Prereq: Jr or sr standing. GEC contemporary world courses.

597.02 Global Culture U 5

Examines contemporary global cultural flows, the concepts useful in analyzing them, and the questions they raise about power and cultural change.

Computer Science and Engineering

100 Introduction to Computing Technology U 3

A course of general interest giving experience with personal computer software, e.g., word processors and spreadsheets; provides fundamental computer literacy; neither teaches nor requires computer programming.

Su, Au, Wi, Sp Qtrs. 3 1-hr lec. Not open to students with credit for 101 or 200.

101 Computer-Assisted Problem Solving U 4

Problem solving techniques using productivity software; spreadsheets, formulas, conditional logic; relational databases, relational algebra; word processing; data presentation; graphics.

Su, Au, Wi, Sp Qtrs. 3 1-hr lec, 1 2-hr lab. Prereq: Mathematics placement level R or higher; or Math 075 or higher. Not open to students with credit for 200. GEC course.

200 Computer Assisted Problem Solving for Business U 5

Problem solving emphasizing spreadsheets and conditional logic; using productivity software; relational databases, word processing, data presentation, object linking and embedding, and communication systems.

Su, Au, Wi, Sp Qtrs. 4 1-hr lec, 1 2-hr lab. Prereq: Math 116, 130, or 148. Not open to students with credit for 101.

201 Elementary Computer Programming U 4

Introduction to computer programming and to problem solving techniques using computer programs; programming lab experience.

Su, Au, Wi, Sp Qtrs. 3 1-hr lec, 1 1-hr lab. Java is taught.

203 Computational Thinking in Context: Interactive Animations and Games U 4

Introduction to computational thinking, focusing on problem solving and programming concepts and skills needed to create interactive graphics, animations, and games; creativity and imagination encouraged.

Au, Wi, Sp Qtrs. 1 1-hr lec, 3 1-hr lab. Recommended for students with little or no programming experience or who are not confident in their programming background.

Earth Sciences

100 Planet Earth: How it Works U 5

The materials of the Earth's crust, the processes that produce and modify them, and the development of the Earth and its life forms through time.

Su, Au, Wi, Sp Qtrs. 4 cl, 1 2-hr lab; or 2 2-hr cl, 1 2-hr lab. Not open to students with credit for Geol Sci 100. Not intended for ASC BS students. This course is available for EM credit. GEC phys sci course, phys sci sequence with 205 or ENR 101. NS Admis Cond course.

105 Geology and the National Parks U 5

Geologic processes, materials, and history revealed in geologic settings of the National Parks.

Au, Wi Qtrs. 4 cl, 1 rec. Not open to students with credit for 100, or Geol Sci 100. Not intended for ASC BS students. GEC phys sci course, phys sci sequence with 205. NS Admis Cond course.

121 The Dynamic Earth U 5

Minerals, rocks, and their origin; land forms and how they are produced; structural features of the Earth's crust.

Su, Au, Wi, Sp Qtrs. 4 cl, 1 2-hr lab; or 2 2-hr cl, 1 2-hr lab. H121 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Math 104. Not open to students with credit for Geol Sci 121. This course is available for EM credit. GEC phys sci course, phys sci sequence with 205. NS Admis Cond course.

122 Earth Through Time U 5

Origin and evolution of Earth, including its physical, chemical and biological components; principles of geologic inference and their application to interpreting Earth.

Au, Wi, Sp Qtrs. 4 cl, 1 2-hr lab; or 2 2-hr cl, 1 2-hr lab. H122 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: 121 or Geol Sci 121. Not open to students with credit for Geol Sci 122. Recommended second course in geol sci for science majors. GEC phys sci course. NS Admis Cond course.

203 Environmental Geoscience U 5

Concepts and challenges of geological hazards and resources, environmental

pollution and health, regional and long-range planning, and global change and sustainability.

Su, Au, Sp Qtrs. 4 cl, 1 2-hr lab; or 2 2-hr cl, 1 2-hr lab. Prereq: 100 or 121 or 155 or Geol Sci 100 or 121 or 155. Not open to students with credit for Geol Sci 203. GEC phys sci course and phys sci sequence with 155. NS Admis Cond course.

210 Energy, Mineral Resources, and Society U 5

Geologic origin, world distribution, and uses of mineral resources critical to society; topics include mineral and fossil fuels, metallic ores, and industrial minerals.

Su, Wi Qtrs. 5 cl. Prereq: 100 or 121 or 155 or Geol Sci 100 or 121 or 155. Not open to students with credit for Geol Sci 210. GEC phys sci course and phys sci sequence with 155. NS Admis Cond course.

293 Individual Studies U 1-3

Special problems in the geological sciences.

Su, Au, Wi, Sp Qtrs. Prereq: Permission of instructor. Repeatable to a maximum of 6 cr hrs for the combination of Geol Sci 293 and Earth Sci 293. Repeatable to a maximum of 6 cr hrs. This course is graded S/U.

Economics

110 Basic Economic Concepts

Introduction to elementary techniques of economic analysis; historical background useful for interpreting current economic events.

22-hr cl. Intended for students who desire a one-course introduction to economics. GEC soc sci human, natural, and economic resources courses.

110.01 Current Economic Events in Historical Perspective U 5

Discuss current issues in the political economy within a historical framework, including such topics as taxes and unemployment.

200 Principles of Microeconomics U 5

Introduction to economic theory: supply and demand for goods and services; market structure; the distribution of income.

Su, Au, Wi, Sp Qtrs. 22-hr cl. H200 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. First required course for students planning to take 500-level courses in econ. GEC soc sci human, natural, and economic resources course. SS Admis Cond course.

201 Principles of Macroeconomics U 5

Theory of national income determination; economic fluctuations; money; government policy; international economics.

Su, Au, Wi, Sp Qtrs. 22-hr cl. H201 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 400. GEC soc sci organizations and politics course.

501 Intermediate Microeconomic Theory

Theory of consumer behavior; theory of the firm; costs and production; factor price determination; general equilibrium.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 200 and 201 or 400, or equivs.

501.01 Intermediate Microeconomic Theory U G 5

502 Intermediate Macroeconomic Theory

Analysis of the determinants of national output, income and employment levels; theory of economic growth and progressive equilibrium in an economy.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 200 and 201 or 400, or equivs.

502.01 Intermediate Macroeconomic Theory U G 5

520 Money and Banking U G 5

Organization, operation, and economic significance of our monetary and banking system; special reference to current conditions and problems.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H520 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: 200 and 201 or 400, or equivs.

580 Labor Economics and Industrial Relations U G 5

Survey of the field of labor economics; trade unionism, collective bargaining; wage determination, employment, unemployment; labor legislation.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 200.

Education: Educational Policy and Leadership

370 Computers in the Classroom: An Introduction U 4

An introduction to educational computing.

1 2.5-hr cl, 1 2.75-hr lab. Not open to students with credit for Ed-P&L 671.

600 Basic Media Skills U G 1

Self-instructional modules and activities emphasizing the selection, utilization, and preparation of teaching material.

Prereq: Admission to a teacher education program certification area or permission

of instructor. Not open to students with credit for Ed-T&P 600. Cost of production materials must be borne by the student. This course is graded S/U.

607 Adolescent Learning and Development in School Contexts

Provides students with an introduction to the field of adolescent development and psychology and applications to education.

Teacher education licensure course.

607.20 Middle Childhood Education U G 3

609 Teaching as a Profession

Examines complexities surrounding the practice of teaching at national, state and local levels, highlighting legal, professional, and ethical issues surrounding American schools and teaching.

Part of a prescribed series of courses leading to teacher licensure in Early Childhood, Middle Childhood and Young Adult Education.

609.07 General Student Body U G 3

650 Humanistic Foundations of Education

Prereq: 3rd yr standing in a recognized university teacher education program, or grad standing, or permission of dept office.

650.02 History of Modern Education U G 3

Education and schools as factors in the development of the modern world; theories, practice, relations with other social institutions and forces, especially in Europe and America.

718 Pedagogical Studies

Key research studies and major perspectives on classroom pedagogy including effective classroom management, teaching and learning, and school functioning.

Prereq: EDU T&L 702 and 704. Open to students enrolled in the MED program.

718.20 Middle Childhood Education G 3

718.70 Early Childhood Education G 3

727 Special Topics in Education

Special topics for professional educators and graduate students in selected areas; designed to provide the opportunity to update professional skills and review current research developments.

Prereq: Grad standing or registration in one of the professional schools. Special Topics in Education (Edu-P&L 727) may be offered by any of the program areas listed below.

727.30 Educational Administration G 1-5

Repeatable to a maximum of 20 cr hrs. This course is graded S/U.

Education: Physical Activity and Educational Services

102 First Aid U 2

A consideration of first aid practices to the injured; designed to lead to Red Cross certification in first aid.

103 Health and Well-Being in American Society U 3

A study of student health problems; designed to foster understandings and attitudes needed for intelligent decision-making related to present and future health needs.

Not open to students with credit for 200.

122 Techniques in Cardiopulmonary Resuscitation U 1

Development of skills and competency in recognizing and reacting to situations requiring cardiopulmonary resuscitation measures; completion leads to certification in CPR by American Red Cross.

This course is graded S/U.

137 Sport for the Spectator U 3

A study of the great American spectator sports including football, basketball, baseball, ice hockey, golf, tennis, and others which meet the interests of the class.

139 Introductory Program of Outdoor Pursuits

A study of and participation in the skills and knowledges of various sports and outdoor recreational activities in a natural setting. Not open to students who have completed a corresponding subdivision of 140.

Preregistration with department required. Travel and subsistence costs for activities will be borne by the student.

139.01 Scuba II U 1

Introduction to fresh water diving.

Prereq: 179 or equiv. Student must provide wetsuit (rentals may be available). This course is graded S/U.

143 Badminton

143.01 Badminton I U 1

Beginning skills and knowledge essential for playing badminton.

144 Basketball

Skill and strategy necessary for playing basketball.

Prereq: Previous playing experience. Those with varsity experience should elect 631.02.

144.01 Basketball Women U 1

Limited to Women only.

144.02 Basketball Men U 1

Limited to Men only.

145 Bowling

Students must provide bowling shoes (rentals available) and have ID card.

145.01 Bowling I U 1

Introductory skills and knowledge essential for bowling.

147 Conditioning Principles U 1

Students will have the opportunity to study conditioning materials and principles. Register for desired concurrent sections using 148 decimal designation.

1 1-hr class. Prereq: Must take 148.01 or 148.02 or 148.03 or 148.04 or 148.05 or 148.06 concurrently.

148 Conditioning Activities

Students will have the opportunity to experience a conditioning activity of their choice.

3 1-hr lab. Prereq: Must take 147 concurrently.

148.04 Weight Training U 1

Prereq: Must be taken concurrently with 147.

148.06 Rhythmic Aerobics U 1

Prereq: Must be taken concurrently with 147.

152 Social Dance

Opportunities provided to learn a variety of standard social dances such as fox trot, waltz, swing; dance positions; and related cultural paradigms.

152.01 Social Dance I Women U 1

Introduction to basic steps and variations of selected dances.

Cross-listed with 152.02.

152.02 Social Dance I Men U 1

Cross-listed with 152.01.

154 Fencing

154.01 Fencing I U 1

Fundamentals of foil fencing.

154.02 Fencing II U 1

Continuation of 154.01 with emphasis on the bout.

Prereq: 154.01 or equiv.

155 Physical Fitness Training for the Reserve Officer Training Corps

Designed to allow ROTC student to demonstrate improvement in overall physical conditioning, body composition, and general health.

3 1-hr cl. Concurrent enrollment in Military Science Program. Limited to students enrolled in Reserve Officer Training Corps (ROTC).

155.01 Army U 1

Limited to students enrolled in Army Reserve Officer Training Corps (ROTC). Repeatable to a maximum of 8 cr hrs. This course is graded S/U.

156 Football

Fundamental skills of touch football.

156.03 Flag Football U 1

Co-ed sections for experienced touch football players.

169 Martial Art Forms

An exploration and orientation to Eastern movement martial art forms.

169.07 Karate I U 1

Introduction to the fundamental forms and techniques of Karate.

169.13 Tae Kwon Do I U 1

Beginning course in the Korean martial art form; includes etiquette, basic blocking, thrusting and kicking techniques, and self defense.

169.14 Tae Kwon Do II U 2

Continuation of Tae Kwon Do I, refinement of technique and form; introduction of intermediate forms and skills, breaking, and conditioning techniques.

Prereq: 169.13.

169.16 T'ai Chi Ch'uan U 1

An introduction to T'ai Chi Ch'uan with emphasis on an exploration of body/energy awareness.

Repeatable to a maximum of 3 cr hrs.

172 Self Defense

Skills and understandings essential to defend oneself against an aggressor with emphasis on avoiding attack.

172.01 Self Defense Women U 1

Limited to women only.

174 Soccer

Techniques and knowledge essential for playing soccer.

174.01 Women's Soccer U 1

174.03 Men's Soccer U 1

185 Table Tennis

185.01 Table Tennis I U 1

Beginning skills and knowledge essential for playing table tennis with emphasis on the use of backspin and topspin in the singles game.

188 Tennis

Skills and knowledge essential in playing tennis.

Student must provide racket and 6 balls; advanced students should elect 631.10.

188.01 Tennis I U 1

Beginning skills; forehand, backhand, and serve-singles play.

191 Volleyball

Advanced students should elect 631.14.

191.01 Volleyball I U 2

Introduction to power volleyball.

191.02 Volleyball II U 2

Continuation of power volleyball fundamental skill perfection and game strategies woven to produce an intermediate playing experience.

Prereq: 191.01 or equiv.

196 Varsity Squads

Participation as a player on a varsity squad.

Prereq: Admission by tryout. Repeatable to a maximum of 10 cr hrs in any combination of decimal subdivisions.

196.01 Baseball U 2

Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

196.02 Basketball U 2

Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

196.07 Golf U 2

Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

196.13 Soccer U 2

Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

196.14 Softball U 2

Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

196.19 Volleyball U 2

Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

204 Sexuality and Health U 3

The study of sexuality as an aspect of the healthy individual; the demythologizing of sexual beliefs and behaviors; sexual behavior and attitudes in young adults.

208 Orientation to Sport and Leisure Studies U 3

A general introduction to sport and leisure studies. Examination of the current scene, curricular opportunities, careers, and needed personal competencies. Two observations in various sport and leisure settings.

221 Sports Officiating

Study of playing rules, rule interpretation, techniques, and mechanics of officiating various interscholastic and intercollegiate athletic sports.

Prereq: Satisfactory evidence of playing skill in the elected athletic sport.

221.01 Baseball U 2

221.14 Volleyball U 2

221.15 Softball U 2

250 How to Avoid Dying from Cancer Now and Later U 2

Discussion of the latest findings on avoiding cancer through lifestyle choices and assessment of one's family health history.

270 Seminars in Career and Self Development

Examination of self in relation to educational and career goals; self assessment, decision making, identification and use of campus resources, employability, and work adjustment skills.

Repeatable hrs, including cr hrs in Ed-P&L 270.04; with a maximum of 3 cr hrs in any decimal subdivision.

270.01 Self-Career Development U 3

Designed to provide opportunities for self-exploration and skill development; exploration of and clarification of vocational and educational interests.

This course is graded S/U.

271 Seminar in Exploring Helping Relationships: Teaching/Learning U 3

Focus on self development, decision making, world of work for students exploring careers through placement in educational, and community agency settings. Repeatable to a maximum with special written permission, when unusual circumstances warrant.

Repeatable to a maximum of 6 cr hrs. To be taken concurrently with field experience 289.01.

289 Directed Field Experience

Professional service in school or community settings.

Preregistration with school required.

289.01 Intro Experience in a School System U 2-5

Repeatable to a maximum of 20 cr hrs. This course is graded S/U.

300 Health Education for Elementary Teachers U 3

The teacher's responsibility for health of school child; screening, referral, vision and hearing, nutritional problems, instructional programs, emergency care, and teacher's health.

Prereq: 103 and; admission to EDU.

312 Issues in Alcohol/Drug Use and Abuse U 3

Provides an understanding of the dynamics of substance abuse.

314 AIDS: What Every College Student Should Know U 3

A review of the physiological, psychological, social, legal, and moral issues surrounding the disease AIDS with emphasis placed on responsible decision making about one's lifestyle.

650 Introduction to Exceptional Children U G 3

An overview of the education of exceptional learners including a discussion of their characteristics and a review of historical approaches to their education and of contemporary educational practices.

Not open to students with credit for Psych 570.

669 Teaching Students with Disabilities in Inclusive Settings U G 3

Emphasizes practical, low-cost, empirically supported, and classroom tested approaches to teach students with disabilities effectively in general education classrooms.

Prereq: Permission of instructor.

677 The Parent/Professional Partnership U G 3

Knowledge and skills necessary for educators to assist parents in facilitating the development, education, and socialization of children and youth and handicaps.

Prereq: Permission of instructor. Open only to special education majors; others by permission of instructor.

693 Individual Studies

Prereq: Permission of instructor. A total of not more than 30 cr hrs of any 693 will apply toward graduation for undergrad students. For plan A, not more than 15 cr hrs of any 693 and/or 893 will apply toward the master's degree; for Plan B, not more than 20 cr hrs will apply. Not more than 30 cr hrs will apply toward the doctoral degree.

693.10 Special Education U G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

893 Advanced Individual Studies

Plan A: not more than 15 cr hrs of any 693 and/or 893 will apply toward the master's degree; Plan B: not more than 20 cr hrs will apply. Not more than 30 cr hrs will apply toward the doctoral degree.

Arr.

893.10 Special Education G 1-4

Open only to special education majors; others by permission of instructor. Repeatable. This course is graded S/U.

Education: Teaching and Learning

107 Advanced English as a Second Language U 5

Reviews advanced English patterns with emphasis on their use in writing essays.

Prereq: Placement test or grade of D or above in 106. Not open to students having earned a D or above in 072 or 073. This is a Progress course.

108 Academic Writing in English as a Second Language

Attention given to various practices involving reading and source-based writing. Rhetorical and linguistic issues addressed.

Su, Au, Wi, Sp Qtrs. Prereq: Placement test or grade of D or above in 107. Not open to students having earned D or above in 073.

108.01 Undergraduates U 5

Synthesis and argumentative writing in response to literary and nonliterary texts. Intended for undergraduates.

5 cl. This is a Progress course.

294 Group Studies

Group studies for students in specialized programs.

Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs.

294.10 Elementary Education U 1-5

Repeatable to a maximum of 15 cr hrs.

460 Elementary Education: Child Guidance U 4

Designed to develop an understanding of child growth and development principles in relation to instruction.

467 Introduction to Children's Literature U 3

Study of literature for children with emphasis on standards for selecting materials with reference to the interests, needs, and abilities at different age levels.

489 Advanced Field Experience

Directed field experience emphasizing appropriate teaching strategies for different school age children and school settings.

Prereq: Admission to appropriate teacher education program.

489.10 Elementary Education U 3-5

Repeatable to a maximum of 15 cr hrs.

589 Field Experience for Integrated Language Arts and English U 3

Course will provide students with an opportunity to explore middle and secondary English language arts teaching through readings, group discussion, and field experience.

20 hours of observation in a local school. This course is a prerequisite for the Integrated Language Arts licensure and Masters of Education (M.Ed.) program.

601 Foundations of Middle Childhood Education: Theory, Philosophy, and Organization

Examination of the history, rationale, philosophy, organization, and distinctive components fundamental to middle childhood education.

601.20 Middle Childhood Education U G 3

603 Interdisciplinary Teaching and Learning for Middle Childhood

Focus on the interrelatedness of the disciplines and the design, implementation, and assessment of curriculum and pedagogy for middle childhood learners.

603.20 Middle Childhood Education U G 3

607 Writing Course in Early and Middle Childhood Education U 5

Designed to help students reflect critically, both orally and in writing, on the social, political, and cultural contexts that influence education in today's society.

656 Literature for Adolescents U G 3

Literature for individual, group, and whole-class reading in junior and senior high schools; interest factors, readability, and literary value as criteria for selection; bibliographic aids.

668 Reading Foundations

Introduction to basic concepts about the reading process, learning to read, social/cultural factors affecting literacy development and effective instruction.

Prereq: Jr standing or above.

668.07 General Student Body U G 4

669 Understanding Phonics and Its Role in Reading Instruction

Detailed examination of how English maps spellings to pronunciations, the role of phonics knowledge in learning to read, and effective assessment and instruction.

Prereq: 668 or 668.07 and 467 or 817; jr standing or above.

669.07 General Student Body U G 5

674 Family Participation in Early Childhood School Programs

The purposes and importance of family involvement in early childhood school programs, types of programs, resources, methods, and curricula.

674.07 General Student Body U G 3

693 Individual Studies

Prereq: Permission of instructor. A total of not more than 30 cr hrs of individual study (any 693) will apply toward graduation for undergrad students, or 15 cr hrs for the master's degree and 30 cr hrs for the doctoral degree.

693.10 Elementary Education U G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

693.20 Middle Childhood Education U G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

693.50 Integrated Teaching and Learning U G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

693.70 Early Childhood Education U G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

698 Study Tour

Specific content, location, quarter(s) of offering, and prerequisites vary; contact department office for details.

Prereq: Permission of instructor. Repeatable to different titled study tours only.

698.01 Domestic U G 1-5

Repeatable.

702 Language Arts for Children Ages 3 to 9

Examination of children's oral and written language development and related theoretical understandings instrumental for teaching language arts.

Prereq: Admission to Early Childhood M Ed program.

702.70 Early Childhood Education G 3

705 Reading Methods for Early Childhood

Focus on the acquisition and development of reading skills in early childhood. (Pre-K-3rd grade).

Prereq: New Phonics and Reading Foundations Courses.

705.70 Early Childhood Development G 3

706 Teaching and Learning Language Arts for Middle Childhood

Focus on principles and practices for facilitating the effective development and use of oral and written language by children in grades 4-9.

706.20 Middle Childhood Education G 3

708 Teaching and Learning of Mathematics in Grades PreK-3, Part I

Examination of instructional strategies that facilitate the teaching and learning of mathematics in grades Pre K-3.

Prereq: 702 or 702.07 or 702.70 and 704 or 704.07 or 704.20 or 704.70.

708.70 Early Childhood Development G 3

709 Teaching and Learning of Mathematics for Middle Childhood

Examination of instructional strategies that facilitate the teaching and learning of mathematics for middle childhood.

Prereq: 702 or 702.07 or 702.70, 704 or 704.07 or 704.20 or 704.70, and 708 or 708.07 or 708.70.

709.20 Middle Childhood Education G 3

713 Teaching and Learning of Mathematics in Grades PreK-3, Part II

This course is designed to improve pre-service teachers' understanding and capacity to use national and state standards, learning theories, research based instructional methods, formative and summative assessment.

Wi Qtr. 2.5 hr wk. Prereq: 708.07 or 708.70 and admission to ITL Early Childhood MEd or permission of instructor.

713.70 Early Childhood Development G 3

718 Teaching and Learning Mathematics in the Middle Grades, Part II G 3

Examination of instructional strategies and issues related to teaching and learning mathematics in the Middle Childhood classroom.

Prereq: Admission to the MCE M.Ed. program or permission of instructor.

719 Teaching and Learning Science in the Middle Grades, Part II G 3

Examination of instructional strategies and issues related to teaching and learning science in the Middle Childhood classroom.

Prereq: Admission to the MCE M.Ed. program or permission of instructor.

723 Early Childhood Pedagogy I

Examines teaching and learning in pre-K through grade 3 with a focus on inclusive and diverse pre-K and kindergarten settings.

Open to Early Childhood MEd students and others by permission. Pedagogy I and II are sequenced and required in the Early Childhood Teacher Education Program.

723.70 Early Childhood Education G 3

729 Teaching and Learning of Science in Grades Pre K-3 Part I

Exploration of contemporary alternatives in elementary science education and the development of knowledge and skills for teaching and learning in grades Pre K-3.

Prereq: 702 or 702.07 or 702.70 and 704 or 704.07 or 704.20 or 704.70.

729.70 Early Childhood Education G 3

731 Teaching and Learning of Science for Middle Childhood

Science methods course required for preservice teachers seeking certification to teach at the middle childhood level.

Prereq: Admission to Middle Childhood M Ed program.

731.20 Middle Childhood Education G 3

737 Teaching and Learning of Social Studies in Grades Pre K-3

Exploration of current theories in the teaching and learning of social studies in grades Pre K-3.

Prereq: 702 or 702.07 or 702.70 and 704 or 704.07 or 704.20 or 704.70.

737.70 Early Childhood Education G 3

738 Teaching and Learning of Social Studies in Middle Childhood

Study of current theories in the teaching and learning of the historical, ethical, cultural, geographic, economic, and socio-political aspects of social studies in Middle Childhood.

Prereq: 702 or 702.07 or 702.70, 704 or 704.07 or 704.20 or 704.70 and 737 or 737.07 or 737.70.

738.20 Middle Childhood Education G 3

739 Evaluation and Instructional Decision-Making in Literacy

Evaluation processes and instructional materials useful to elementary and secondary teachers are explored as individual and small group needs.

Prereq: 665. Not open to students with credit for ED-T&P 732.

739.20 Middle Childhood Education U G 3

739.70 Early Childhood Education U G 3

743 Teaching and Learning of Science in Grades PreK-3 Part II

This course will facilitate an understanding of pedagogies, research, and inquiry approaches to further meet state and national standards.

Wi Qtr. 2.5-hr cl. Prereq: 729.07 or 729.70 and admission to ITL Early Childhood MEd or permission of instructor.

743.70 Early Childhood Education G 3

809 Inclusion: Philosophical, Social and Practice Issues

Philosophical, social, and practice issues related to the inclusion of students with special needs in the P-12 general education classroom.

Prereq: Grad standing.

809.20 Middle Childhood Education G 3

810 Classroom Communities and Issues of Guidance

A classroom as communities framework to support teaching and learning and issues of guidance.

Required in Early Childhood MEd and open by permission to other students.

810.70 Early Childhood Education G 3

812 Mathematics in Elementary Schools G 3

Applications of research and theory to improve children's competence and problem solving; organization of instructional programs and contemporary instructional questions.

815 Teachers and Teaching: The Changing Context in Equity, Diversity, and Exceptionality

Examination of how attitudes, assumptions, and expectations within socially diverse classrooms influence the behaviors of educators, parents, and pupils. Case method: Analyzing experiences of teachers.

Prereq: Permission of instructor.

815.20 Middle Childhood Education G 3

815.70 Early Childhood Education G 3

853 Critical Reading in the Content Fields

Exploration of the problems of developing critical reading ability in a variety of curricular fields.

853.20 Middle Childhood Education G 3

854 Reading in Its Social Setting

The influence of culture on the nature, quality, and quantity of reading development; the relationship of reading to language development and mass media.

854.20 Middle Childhood Education G 3

854.70 Early Childhood Education G 3

872 Approaches to Integrated Curriculum in Pre K-12 Classrooms G 3

Critical review and application of theories, research, and practices related to integrated curriculum approaches in early childhood, elementary and middle school classrooms.

Prereq: 870.

874 Classroom Based Inquiry in Integrated Teaching and Learning G 3

Classroom based inquiry strategies considering the literature on classroom based research, models, historical perspectives, ethical questions, and implications for teaching practice.

881 Theory and Practice in Multicultural Education G 3

Sensitizes students to cultural diversity, and provides insights and instructional tools for dealing with cultural pluralism in the classroom.

884 Planned Field Experience

Planned field experience under supervision in a P-12 classroom.

Prereq: Written permission of area adviser.

884.20 Middle Childhood Education G 1-20

Repeatable to a maximum of 25 cr hrs. This course is graded S/U.

884.70 Early Childhood Education G 1-20

Repeatable to a maximum of 25 cr hrs. This course is graded S/U.

885 Supervised Student Teaching Internship

Student teaching internship in a P-12 classroom where students assume major teaching responsibilities under the guidance of a cooperating teacher and university supervisor.

300 field contact hrs/qr. Prereq: Written permission of instructor.

885.20 Middle Childhood Education G 5-15

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

885.70 Early Childhood Education G 5-15

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

886 Reflective Seminar

Seminar held in conjunction with field experience or student teaching internship. The goals are to process, reflect upon and enhance benefits of the school experiences.

Prereq: Open to M. Ed Students only.

886.20 Middle Childhood Education G 1-5

Repeatable to a maximum of 15 cr hrs. This course is graded S/U.

886.70 Early Childhood Education G 1-5

Repeatable to a maximum of 15 cr hrs. This course is graded S/U.

887 Advanced Field Experience

Field or research experience in a P-12 school, higher education or other educational setting, agency, or cross-cultural settings.

887.10 Elementary Education G 1-15

Repeatable to a maximum of 25 cr hrs. This course is graded S/U.

887.20 Middle Childhood Education G 1-15

Repeatable to a maximum of 25 cr hrs. This course is graded S/U.

887.26 Mathematics Education G 1-15

Repeatable to a maximum of 25 cr hrs.

887.27 Science Education G 1-15

Repeatable to a maximum of 25 cr hrs.

887.28 Social Studies and Global Education G 1-15

Repeatable to a maximum of 25 cr hrs.

887.50 Integrated Teaching and Learning G 1-15

Repeatable to a maximum of 25 cr hrs. This course is graded S/U.

887.56 Drama, Language Arts, Literature and Reading G 1-15

Repeatable to a maximum of 25 cr hrs. This course is graded S/U.

887.70 Early Childhood Education G 1-15

Repeatable to a maximum of 25 cr hrs. This course is graded S/U.

893 Advanced Individual Studies

Prereq: Permission of instructor. For thesis option, not more than 15 cr hrs of any 693 and/or 893 will apply toward the master's degree. For non-thesis option, not more than 20 cr hrs will apply. Not more than 30 cr hrs will apply toward the doctoral degree. This course is graded S/U.

893.10 Elementary Education G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

893.20 Middle Childhood Education G 1-4

Repeatable. This course is graded S/U.

893.26 Mathematics Education G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

893.27 Science Education G 1-4

Repeatable. This course is graded S/U.

893.28 Social Studies Education G 1-4

Repeatable. This course is graded S/U.

893.56 Drama, Language Arts, Literature and Reading Education G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

893.70 Early Childhood Education G 1-4

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

926 M.Ed Capstone Seminar

Seminar to prepare M.Ed. students for the comprehensive written examination or approved alternative.

Prereq: Open to M.Ed. students only.

926.20 Middle Childhood Education G 3**926.70 Early Childhood Education G 3**

Su, Au, Wi, Sp Qtrs. This course is graded S/U.

928 M.A. Capstone Seminar

Provides guidance for M.A. students working on final action research projects (or other approved projects), writing thesis proposals or preparing for the comprehensive examination.

928.50 Integrated Teaching and Learning G 3**999 Research**

Research for thesis or dissertation purposes only.

999.10 Elementary Education G 1-18

Repeatable. This course is graded S/U.

999.26 Mathematics Education G 1-18

Repeatable. This course is graded S/U.

999.27 Science Education G 1-18

Repeatable. This course is graded S/U.

999.28 Social Studies Education G 1-18

Repeatable. This course is graded S/U.

999.50 Integrated Teaching and Learning G 1-18

Repeatable. This course is graded S/U.

999.56 Drama, Language Arts, Literature and Reading Education G 1-18

Repeatable. This course is graded S/U.

999.70 Early Childhood Education G 1-18

Repeatable. This course is graded S/U.

Engineering

185 Introduction to Engineering TI - Basic Skills U 2

Introduction to teamwork, oral and written communication, ethics, basic engineering tools, hands-on laboratories, and design.

Au, Wi Qtrs. 2 2-hr cl. Prereq: "K" credit for 186 or 187 or permission of instructor; Math 150 or concur. Not open to students with credit for 181, 182, or 183. Serves as a partial requirement, intended for transfer students, of the required 181-183 course sequence.

186 Introduction to Engineering TII - Graphics Communications U 2

Introduction to three-dimensional visualization and presentation with freehand, manual, and CADD (computer aided drawing and design) methods.

Au, Wi Qtrs. 2 2-hr cl. Prereq: "K" credit for 185 or 187 or permission of instructor; Math 150 or concur. Not open to students with credit for 181, 182, or 183. Serves as a partial requirement, intended for transfer students, of the required 181-183 course sequence.

187 Introduction to Engineering TIII - Computer Aided Problem Solving U 2

Introduction to managing variables, importing and exporting data, performing calculations, generating plots, and developing and managing files using computer applications.

Wi, Sp Qtrs. 2 2-hr cl. Prereq: "K" credit for 185 or 186 or permission of instructor; Math 150 or concur. Not open to students with credit for 181, 182, or 183. Serves as a partial requirement, intended for transfer students, of the required 181-183 course sequence.

English

109 Intensive Writing and Reading

5 cl or 2 2-hr cl. Credit may not count toward graduation in some degree programs.

109.01 Intensive Writing and Reading I U 5

First course in a two-course sequence that provides intensive practice in integrating academic reading and writing.

Prereq: English Placement Test score of 6. Not open to students with credit for 052, 060, 110W, 110, or 111.

109.02 Intensive Writing and Reading II U 5

Second course in a two-course sequence that provides intensive practice in integrating academic reading and writing.

Prereq: 109.01. Not open to students with credit for 053, 060, 110W, 110, or 111.

110 First-Year English Composition

Practice in the fundamentals of expository writing, as illustrated in the student's own writing and in the essays of professional writers.

No prereq except when testing determines 052, 053, 106, 107, 109.01, 109.02, 110.03 or EDU T&L 108.01 to be required. Not open to students with credit for 110, 110C, 110L, 110W, H110, 111, H111, or H167. This course is available for EM credit only through the AP program. GEC first writing course.

C-- Taught in a computer-assisted classroom.

110.01 First-Year English Composition U 5

Prereq: English placement level 4 or 109.02 or EDU T&L 108.01. Not open to students with credit for 110, 110.02 or 110.03. 5 hours community service required for S courses at Lima campus.

110.02 First-Year English Composition U 5

Taught with an emphasis on literature.

Prereq: English placement level 4 or 109.02 or EDU T&L 108.01. Not open to students with credit for 110, 110.01, 110.03.

110.03 First-Year English Composition U 5

Intensive practice in the fundamentals of expository writing.

Prereq: English placement level 5, placement level 4 allowed if student requests service. Must be taken concurrent with 193.03. Not open to students with credit for 110, 110.01, 110.02.

193 Individual Studies

Intensive practice in the fundamentals of expository writing.

Prereq: Fr standing and permission of Director of First-Year Writing. Must be taught concurrent with 110.03.

193.03 Individual Studies U 2-5

Not open to students with credit for 193. Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

201 Selected Works of British Literature: Medieval through 1800 U 5

An introductory critical study of the works of major British writers from 800 to 1800.

H201 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq for 201: 110 or 111 or equiv. Prereq for H201: H110 or H111 or equiv or permission of instructor. 201 is required of non-honors English majors. GEC arts and hums lit course.

202 Selected Works of British Literature: 1800 to the Present U 5

An introductory critical study of works of major British writers of the 19th and 20th centuries.

H202 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq for 202: 110 or 111 or equiv. Prereq for H202: H110 or H111 or equiv or permission of instructor. Not open to students with credit for 284 or 285. 202 is required of non-honors English majors. GEC arts and hums lit course.

220 Introduction to Shakespeare U 5

Study of selected plays designed to give an understanding of drama as theatrical art and as an interpretation of fundamental human experience.

H220 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq for 220: 110 or 111 or equiv. Prereq for H220: H110 or H111 or equiv, and enrollment in an honors program. GEC arts and hums lit course.

260 Introduction to Poetry U 5

Designed to help students understand and appreciate poetry through intensive study of a representative group of poems.

H260 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC arts and hums lit course.

261 Introduction to Fiction U 5

Examination of the elements of fiction -- plot, character, setting, narrative, perspective, theme, etc. -- and their various interrelations; comparisons with nonfictional narrative may be included.

H261 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: English 110 or 111 or equiv. GEC arts and hums lit course.

263 Introduction to Film U 5

Introduction to methods of reading film texts by analyzing cinema as technique, as system, and as cultural project.

1 3-hr cl, 1 2-hr cl. GEC arts and hums VPA course.

264 Introduction to Reading Popular Culture U 5

Introduction to the analysis of popular culture texts, with special emphasis on the relationship between popular culture studies and literary studies.

Prereq: 110 or equiv. Not open to students with credit for Comp Std 264. Cross-listed in Comparative Studies. GEC arts and hums cultures and ideas course.

265 Writing of Fiction I U 5

Practice in the writing of fiction; analysis and discussion of student work, with some attention to general methods of fiction and the publishing situation.

Repeatable to a maximum of 10 cr hrs.

266 Writing of Poetry I U 5

Practice in the writing of poetry; emphasis on the students' own work, with reference to established poetic patterns and established poetry.

Repeatable to a maximum of 10 cr hrs.

268 Writing of Creative Nonfiction I U 5

Practice in the writing of creative nonfiction; analysis and discussion of student work, with reference to the general methods and scope of the genre.

Workshop-seminar. 2 2-hr cl. Prereq: English 110 or 111 or equiv. Repeatable to a maximum of 10 cr hrs.

271 Introduction to English Language Study U 5

An introduction to the grammar, history, and social and regional dialects of the English language.

Not open to students with credit for 570, 669, 671, 672; or Linguist 601. GEC arts and hums cultures and ideas course.

275 Thematic Approaches to Literature U 5

An introduction to literature through the examination of a major theme as treated in different genres and periods; topic varies quarterly.

Repeatable to a maximum of 10 cr hrs. GEC arts and hums lit course.

276 Introduction to Rhetoric U 5

Study of developments in rhetorical theory, teaching, criticism, and practice through examination of representative figures, texts, movements and periods from antiquity to the present.

2 2-hr cl. GEC arts and hums, cultures and ideas course.

280 The English Bible U 5

The Bible in English translation, with special attention to its literary qualities, conceptual content, and development within history.

H280 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC arts and hums lit course.

290 Colonial and U.S. Literature to 1865 U 5

Introductory study of significant works of U.S. literature from its Colonial origins to 1865.

Either 290 or 291 is required of non-honors English majors. GEC arts and hums lit course.

291 U.S. Literature: 1865 to Present U 5

Introductory study of significant works of U.S. literature from 1865 to the present.

Prereq: 110 or 111 or equiv. Either 290 or 291 is required of non-honors English majors. GEC arts and hums lit course.

367 Intermediate Essay Writing

Prereq for 367.01, 367.02, 367.03, 367.04, 367.05, 367.06, 367.07: Credit for 110 through regular course enrollment and soph standing; or EM credit for 110; or a declared major in English. Not open to students with credit for 210, 267, H267, 301, 303, 305, or 367. Only one English 367 decimal subdivision may be taken for credit.

367.01 The American Experience U 5

An intermediate course that extends and refines expository writing and analytic reading skills, with an emphasis on style and an introduction to documentation, with major topics pertaining to the United States.

H367.01 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC second writing and social diversity course. E367.01 may be available for honors embedded experience at the regional campuses.

367.02 The U.S. Experience as Reflected in Literature U 5

Discussion, analysis, and writing about issues presented through the diverse voices of U.S. literature.

GEC second writing and social diversity course.

367.03 African-American Voices in U.S. Literature U 5

Discussion, analysis, and writing about issues presented through the diverse voices of African-American literature.

Not open to students with credit for AfAm&Ast 367.03. Cross-listed in African-American and African Studies. GEC second writing and social diversity course.

398 Writing for English Majors U 5

Analysis of poetry, fiction, and drama, and issues in literary studies; intensive practice in writing critical essays in preparation for upper-division course work in English.

Prereq: 110 or 111 or equiv, a 367 writing course, and a declared English major; Rank 4 students must have permission of the director of undergraduate studies. Not open to students with credit for 302. Required of English majors; enrollment limited to English majors except by permission of dept. GEC third writing course.

467 Writing and Learning U 5

Study of how writing skills develop, in the context of a peer consulting program, including 2 weekly classes and a 2-hour tutoring practicum.

2 2-hr cl, arr practicum. Prereq: 110 or 111 or equiv.

520 Studies in Shakespeare

A study of the works of Shakespeare.

520.01 Shakespeare U G 5

A critical consideration of the art, personality, and achievement of Shakespeare in the light of Renaissance and modern significance.

Not open to students with credit for 520.

522 Early 17th-Century Literature U G 5

A study of the poetry and prose of 1600-1660, including the major works of Milton.

535 The Early British Novel: Origins to the 1830s U G 5

Readings in the British Novel before the 1830s, with particular attention to novels of the 18th century; authors may include Fielding, Richardson, Burney, and Austen.

540 Poetry and Poetics of the British Romantic Period U G 5

Study of Romantic poetry and poetics: readings in Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and Mary Shelley.

541 Victorian Poetry and Poetics U G 5

Study of Victorian poetry and poetics; readings in Tennyson, the Brownings, Arnold, the Rossetts, Swinburne, Hopkins, and Hardy.

543 20th-Century British Fiction U G 5

A study of the development of British fiction after 1900, with emphasis on such major novelists as Conrad, Joyce, Lawrence, and Woolf.

Not open to students with credit for 643.

547 20th-Century Poetry U G 5

A study of 20th-century American and British poetry, with emphasis on such major figures as Frost, Yeats, Stevens, Eliot, Williams, Auden, Bishop, and Langston Hughes.

550 Colonial and U.S Literature to 1830 U G 5

Introduction to selected works of early U.S. and Colonial literature including such writers as Anne Bradstreet, Phillis Wheatley, Benjamin Franklin, Washington Irving, James Fenimore Cooper.

551 U.S. Literature, 1830-1865 U G 5

An introduction to the major American writers of the mid-19th century: Poe,

Hawthorne, Melville, Emerson, Thoreau, and Whitman.

553 20th-Century U.S. Fiction U G 5

A study of American fiction after 1914, with emphasis on the work of such major figures as Anderson, Fitzgerald, Hemingway, and Faulkner.

561 Special Topics in Fictional and Nonfictional Narrative U G 5

Topic may focus on fiction, nonfiction, or both; examples: the novel in the city; character narrators in fiction and autobiography.

Repeatable to a maximum of 10 cr hrs.

564 Special Topics in a Major Author

Intensive study of the work of one of the major authors of English and American Literature.

2 2-hr cl.

564.02 Major Author in 18th and 19th Century British Literature U G 5

564.03 Major Author in American Literature to 1900 U G 5

564.04 Major Author in 20th Century Literature in English U G 5

567 Rhetoric and Community Service: A Writing Seminar U 5

The study of issues relating to rhetoric, community service, and intercultural communication while serving as volunteers and as writers for a local community service agency.

2 2-hr cl, 2 hrs on site. Prereq: 110 and one of the 367 decimals. Repeatable to a maximum of 10 cr hrs.

572 Traditional Grammar and Usage U G 5

An examination of terminology and structures traditionally associated with the study of English grammar and of usage rules, especially problematical ones, governing edited written American English.

574 History and Theories of Writing U G 5

Study of the origins, definitions, and development of writing, with varying perspectives on historical, technological, theoretical, and ideological issues.

576 Studies in Critical Theory

Study of the history of literary criticism and of special topics in critical theory.

576.01 History of Critical Theory: Plato to Aestheticism U G 5

Study of the developments and basic texts in literary criticism and critical theory from Plato to Oscar Wilde.

2 2-hr cl.

578 Special Topics in Film U G 5

Examination of particular topics, themes, genres, or movements in cinema; topics may include particular directors (Orson Welles), periods (The Sixties), genres (horror).

1 3-hr, 1 2-hr cl. Repeatable to a maximum of 15 cr hrs.

582 Studies in African-American Literature U 5

Topic varies; examples: Neo-slave narratives; the Harlem Renaissance; literature by African-American women.

2 2-hr cl. Repeatable to a maximum of 10 cr hrs. including cr hrs earned in AfAm&ASt 582. Cross-listed in African-American and African Studies.

585 Studies in Literacy

This foundational course explores how our understanding of literacy and its relationships to ongoing societies, cultures, and social change has been challenged and revised.

Prereq: 10 credit hours of English courses at the 200 or 300 level or permission of instructor. History will be cross-listing the 585.02 version of the class only. They will offer it as 585. Comparative Studies will cross-list both versions (585.01 and 585.02) of the class.

585.01 Topics in Literacy Studies U 5

Reconsiders the "great debates" about literacy--oral v. written, etc.--through the critical study of literacy's acquisition, practice or use, and consequences/concomitants.

Prereq: 10 hours of English courses at the 200 or 300-level or permission of instructor. Not open to students with credit for Comp Std 585.01. Cross-listed with Comp Std 585.01.

H590 Honors Seminar: Major Periods in Literary History

Intensive study of one of the major periods of English and American literature; periods vary quarterly.

Prereq: CPHR of 3.00 or better, with a 3.50 or better in English, and permission of dept.

H590.01 The Middle Ages U 5

H590.02 The Renaissance U 5

H590.03 18th Century British Literature U 5

H590.04 Romanticism U 5

H590.05 The Later 19th Century U 5

H590.06 The Modern Period U 5

H590.07 Literature in English after 1945 U 5

Intensive study of literature written in English after World War II, examining influential intellectual and literary movements and theories of the time.

2 2-hr cl.

H590.08 U.S. and Colonial Literature U 5

2 2-hr cl.

H591 Honors Seminars: Topics in English Studies

H591.01 Special Topics in the Study of Creative Writing U 5

A seminar in literary forms and themes, with a significant creative writing component.

2 2-hr cl. Prereq: 265 or 266 or 268; and enrollment in an honors program; or permission of instructor. Repeatable to a maximum of 10 cr hrs.

H591.02 Special Topics in the Study of Rhetoric U 5

Study of rhetorical theories, practices, and literacies through examination of rhetorical communities, texts, movements, and periods both past and present.

Prereq: Enrollment in an honors program or permission of instructor. Repeatable to a maximum of 10 cr hrs.

592 Special Topics in Women in Literature U G 5

Close examination from feminist perspectives of literature by or about women; central topic varies, for example, biography or autobiography, women as artists, images, and stereotypes.

Repeatable to a maximum of 10 cr hrs. Offered in cooperation with Women's Studies.

H598 Honors Seminar: Selected Topics in Literature and Literary Interpretation U 5

Selected problems (themes, movements, genres, and styles) emphasizing continuity and development in English and American literary and linguistic history; topic varies quarterly.

Prereq: CPHR of 3.00 or better with a 3.50 or better in English, and permission of dept. Repeatable to a maximum of 10 cr hrs.

662 Literary Publishing U G 5

Theory and practice of editing and publishing literature.

Prereq: 265 or 266, 5 cr hrs of 500-level literature courses in English, and permission of instructor.

693 Individual Studies U G 1-5

Students may register for individual directed study under this number for work not normally offered in courses.

Prereq: Sr standing and permission of instructor and of dept undergrad or grad committee. Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

Evolution, Ecology, and Organismal Biology

232 Introductory Physiology U 5

A survey of the human nervous system, sense organs, muscle function, circulation, respiration, digestion, metabolism, kidney function, and reproduction.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 5 cr hrs in general biology or general chemistry; Biology 102 or 113 recommended. Credit does not count toward a major in evolution and ecology or zoology. Not intended for biological science majors. GEC bio sci course. NS Admis Cond course.

French

101 Elementary French I

Introduction to French; development of listening, reading, speaking, and writing skills.

Su, Au, Wi, Sp Qtrs. Not open to students with credit for 100.02 or to native speakers of this language through regular course enrollment or EM credit, or to students with 2 or more years of study in this language in high school, except by permission of dept. GEC for lang courses. FL Admis Cond courses.

101.01 Classroom Track U 5

Students must register for and complete 5 cr hrs during the qtr. This course is available for EM credit.

102 Elementary French II

Continuation of 101, further development of listening, reading, speaking, and writing skills.

Su, Au, Wi, Sp Qtrs. Not open to native speakers of this language through regular course enrollment or EM credit. GEC for lang courses. FL Admis Cond courses.

102.01 Classroom Track U 5

Prereq: 101.01 or 5 cr hrs of 101.51. Students must register for and complete 5 cr hrs during the qtr. This course is available for EM credit.

103 Intermediate French I

Continued study of French; development of listening, reading, speaking, and writing skills; readings based on contemporary French culture and literature.

Su, Au, Wi, Sp Qtrs. Not open to native speakers of this language through

regular course enrollment or EM credit. GEC for lang courses.

103.01 Classroom Track U 5

Prereq: 102.01, or 102.66, or 5 cr hrs of 102.51. Students must register for and complete 5 cr hrs during the qtr. This course is available for EM credit.

104 Intermediate French II

Prereq: 103.01 or 103.66 or 5 cr hrs of 103.51 or 112. Not open to students with credit for 104; or to native speakers of this language through regular course enrollment or EM credit. Only one of the decimal subdivisions may be taken for credit. GEC for lang courses.

104.01 Conversation and Composition U 5

Continued development of listening, speaking, reading, and writing with an emphasis on oral and written skills; focus on functional topics and thematic vocabulary.

Su, Au, Wi, Sp Qtrs. H104.01 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Highly recommended for majors and minors. Course conducted in French. This course is available for EM credit.

112 Intensive French U 5,10,15

Elementary and intermediate French; intensive drill in form, syntax, vocabulary, and idiom; reading of short stories, novels, and plays.

Su Qtr. 15 cl. Prereq: Permission of instructor. Not open to native speakers of this language through regular course enrollment or EM credit. Enrollment limited to 20 students. Full-time fees required regardless of number of cr hrs. Equiv of 101, 102, and 103. Students may not register for any other course if they enroll in 112. Students with credit for 103 or equiv may not register for credit. Students with credit for 101 and 102 will enroll for 5 cr hrs. Students with credit for 101 only will enroll for 10 cr hrs. Students with no credit in French will enroll for 15 cr hrs. Regardless of cr hrs enrolled a student will attend class throughout entire qtr. Withdrawal from the course means forfeiture of all cr hrs. No audit. GEC for lang course. FL Admis Cond course.

Geography

120 Earth Systems II: Atmospheric Environment U 5

Introduction to the characteristics and processes of the Earth's atmosphere and their linkage with other physical systems of the planet and with human activity.

Su, Au, Wi, Sp Qtrs. 2 1 1/3-hr lec, 1 1 1/2-hr lab. H120 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 220 or 520, or Atmos Sc 230. GEC phys sci course.

200 World Regional Geography U 5

An examination of the human and physical geographic structure of all world regions; defined primarily at the continental scale and classified by their level of development.

Su, Au, Wi, Sp Qtrs. 3 11/3-hr cl. H200 (honors) may be available Au Qtr to students enrolled in an honors program or those approved by ASC Honors office. GEC soc sci human, natural, and economic resources course. SS Admis Cond course.

240 Economic and Social Geography U 5

Geographic analysis of selected economic and social issues at global, national, and metropolitan scales; locational, spatial interaction, and map analysis of population, urbanization, and development issues.

Su, Au, Wi, Sp Qtrs. 5 cl. H240 (honors) may be available Wi or Sp Qtr to students enrolled in an honors program or by permission of dept. GEC soc sci human, natural, and economic resources course. SS Admis Cond course.

400 Geography of United States and Canada U 5

Geographical analysis of North America; spatial patterns and processes associated with resources, economic structure, population, urbanization, income, and ethnicity at national, regional, and urban scales.

Su, Au, Wi, Sp Qtrs. 3 1.5-hr cl. H400 (honors) may be available to students enrolled in an honors program or by permission of instructor. GEC social diversity course.

460 Political Geography U 5

The global economy, spatial integration, and uneven development; states, spatial fragmentation, and uneven development; and the politics of space of nations, regions, and localities.

Au, Wi, Sp Qtrs. 2 2-hr cl. H460 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC soc sci organizations and politics course.

597 Issues of the Contemporary World

Prereq: Jr or sr standing. GEC contemporary world courses.

597.01 World Urbanization U 5

An examination of geographic aspects of the urbanization process in the world's major regions; interrelationships between urbanization and economic development.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. Not open to students with credit for 450 or 597.

German

101 Elementary German I

Development of aural comprehension, speaking, reading, and writing skills in cultural context.

Su, Au, Wi, Sp Qtrs. Open to students with no prior instruction in German and to those with a maximum of one year of high school German and a placement test score from 0-12.1. Not open to native speakers of this language through regular course enrollment or EM credit, or to students with 2 or more years of study in this language in high school, except by permission of dept. GEC for lang courses. FL Admis Cond courses.

101.01 Classroom Track U 5

5 cl. Students must register for and complete 5 cr hrs during the qtr. This course is available for EM credit.

102 Elementary German II

Development of aural comprehension, speaking, reading, and writing skills in cultural context.

Su, Au, Wi, Sp Qtrs. Not open to native speakers of this language through regular course enrollment or EM credit. GEC for lang courses. FL Admis Cond courses.

102.01 Classroom Track U 5

5 cl. Prereq: 101.01 or 5 cr hrs in 101.51. Also open to students with a maximum of two years of high school German and a placement test score from 12.2-20.5. This course is available for EM credit.

103 Intermediate German I

Reading; oral and written practice; grammar review; students may select from among the following subdivisions which emphasize specific skills and subject matter.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 102.01, or 5 cr hrs in 102.51, 102.66 or equiv. Not open to native speakers of this language through regular course enrollment or EM credit. (Not all decimal subdivisions offered every qtr.) GEC for lang courses.

103.01 Basic U 5

Balanced use of the basic language skills: reading, aural comprehension, speaking, and writing.

5 cl. This course is available for EM credit.

104 Intermediate German II

Reading; oral and written practice; vocabulary building; students may select from among the following subdivisions which emphasize specific skills and subject matter.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 103 or 112. Not open to native speakers of this language through regular course enrollment or EM credit. GEC for lang courses.

104.01 Basic U 5

Balanced use of the basic language skills: reading, aural comprehension, speaking, and writing.

5 cl. H104.01 (honors) may be available to students in an honors program or by permission of instructor. Prereq for 104.01: Any decimal subdivision of 103, or 112, or by placement test. This course is available for EM credit.

Hebrew

241 Culture of Contemporary Israel U 5

Introduction to the culture of modern Israel: historical roots, socio-political institutions and developments, and literary and artistic creations reflecting the realities of contemporary Israeli society.

H241 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC arts and hums cultures and ideas course.

372 Modern Hebrew Literature in Translation U 5

Modern Hebrew literature; works of major writers from the middle of the 18th century to the present; emphasis on European literary influences.

H372 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq for 372: English 110 or equiv. Prereq for H372: English H110 or equiv. Not open to students with credit for 271. GEC arts and hums lit course.

374 Women in Biblical and Post-Biblical Literature U 5

An examination of the social, legal, and religious position of women as they appear in the Hebrew scriptures and Rabbinic writings.

Prereq: English 110 or 111 or equiv. Not open to students with credit for 274. Taught in English. GEC arts and hums lit course.

History

151 American Civilization to 1877 U 5

The political, constitutional, social, and economic development of the United States from the colonial period through the era of Reconstruction.

H151 (honors) may be available to students enrolled in an honors program or

by permission of dept or instructor. Prereq or concur: English 110 or 111. Not open to students with credit for 150.01. This course is available for EM credit. GEC historical survey course. SS Admis Cond course.

152 American Civilization since 1877 U 5

The political, constitutional, social, and economic development of the United States from the era of Reconstruction to the present.

H152 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: 151 and prereq or concur: English 110 or 111. Not open to students with credit for 150.02. This course is available for EM credit. GEC historical survey course. SS Admis Cond course.

171 Latin American Civilizations to 1825 U 5

Latin American political, social, economic, and cultural history from Pre-Columbian times to independence (1825) focussing on imperialism, religion, minorities, war, and rebellion.

H171 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq or concur: English 110 or 111. Not open to students with credit for 150.03 or 161. GEC historical survey course.

172 Latin American Civilizations since 1825 U 5

Latin American political, social, economic, and cultural history from independence (1825) to the present focussing on neo-colonialism, instability, underdevelopment, militarism, and minorities.

H172 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: 151 and 152, or 171; and prereq or concur: English 110 or 111. Not open to students with credit for 150.03 or 161 or 240. GEC historical survey course.

181 World History to 1500 U 5

History of the human community to 1500, primary emphasis on history of civilizations, and secondary emphasis on patterns of regional and hemispheric integration.

Prereq: English 110 or 110.01 or 110.02 or 110.03 or 111 or permission of instructor. Not open to students with credit for 200.01. GEC historical survey course. E181 may be available for honors embedded experience at the regional campuses.

182 World History, 1500 to Present U 5

History of the human community from 1500 to the present, primary emphasis on processes of global integration, and secondary emphasis on comparative civilization.

Prereq: 181 or 200.01, and prereq or concur: English 110 or 111. Not open to students with credit for 200.02. GEC historical survey course.

307 World War II U 5

Survey of the causes, conduct and consequences of the Second World War. Not open to students with credit for 281. SS Admis Cond course.

308 The Vietnam War U 5

An examination of the causes, conduct, and effects of the revolutionary war in Vietnam from 1945 to 1975.

Not open to students with credit for 282.

310 History of Ohio U 5

A general survey of state history-social, economic, religious, and political-from the Indian period to the present time.

Not open to students with credit for 683.

323 History of African-Americans

Cross-listed in African-American and African Studies.

323.01 History of African-Americans in the Age of Slavery U 5

Origins of modern slavery; its development in the US: the evolution of African-American life and culture from 1619 to the end of the Civil War.

Not open to students with credit for 223 or 260; or AfAm&ASt 223 or 323.01.

323.02 History of African-Americans from Emancipation to the Present U 5

The rise of debt peonage among blacks; the formation of the northern ghetto; the Civil Rights Movement and beyond.

Not open to students with credit for 224 or 260; or AfAm&ASt 224, 238, or 323.02.

325 Introduction to Women's History: The American Experience U 5

American women from pre-European-settlement to the present; experiences of Native American, African American, Mexican American, Puerto Rican, Asian American, Jewish, Appalachian, working-class; and lesbian women.

H325 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 237. SS Admis Cond course. GEC social diversity course.

368 Native Peoples of the Western Hemisphere

368.01 Introduction to Native American History U 5

An examination of selected events and issues in Native American history. Not open to students with credit for 368.

368.02 Native American Peoples of the Andes U 5

Introductory survey of the history of the Native American peoples of the Andes from the Pre-Columbian period to the present.

Au Qtr. 2 2-hr cl.

380 The History of War U 5

A survey of the main concepts and issues involved in the study of war in world perspective using case studies from prehistoric times to the present.

398 Introduction to Historical Thought U 5

Investigation of the methods historians use to understand the past.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. H398 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 302. Some classes will visit the Ohio Historical Society. A minimum grade of C in 398 is required for admission to the history major.

489 Historical Internship U 5

Internships will provide students with the opportunity to work on historical projects under the supervision of a practicing professional and a professor.

Su, Au, Wi, Sp Qtrs. Arr.

511 The Reformation U G 5

The rise and growth of Protestantism and the Catholic Reformation of the 16th century against the background of economic, political, and social developments in western Europe.

Not open to students with credit for 610.

512 European History

512.03 Europe, 1815-1900 U G 5

Nationalism, the democratic movement, economic growth, imperialism, and cultural advance from the Congress of Vienna to World War I.

Not open to students with credit for 614.

514 English History

514.01 Tudor and Stuart Britain, 1500-1700 U G 5

The religious, political, economic, imperial, and intellectual development of the English people from 1485 to 1714, with special attention to the constitutional struggles of the 17th century.

Not open to students with credit for 631.

514.02 Britain in the 18th and 19th Centuries U G 5

An introduction to the political, economic and social history of Britain and the British empire from the eighteenth to early twentieth century.

Not open to students with credit for 632.

518 German History

518.02 Germany in the 20th Century U G 5

World War I; the Weimar period; Hitler and the Third Reich; and the two Germanies after 1945.

Not open to students with credit for 618.02.

533 Latin American History

533.01 Colonial Latin American History U G 5

Mayan, Aztec, and Incan Empires; the Spanish and Portuguese conquests and the transplanting of Iberian institutions; the Baroque period; the Bourbon Century and the Enlightenment.

Not open to students with credit for 651.01.

533.02 South America since Independence U G 5

Nation-building in the South American republics during the 19th and 20th centuries with special emphasis on Argentina and Brazil.

Not open to students with credit for 651.02.

533.06 Women in Latin America U G 5

The history of women in Latin America from the Conquest to the present.

556 Colonial North America to 1763 U G 5

The history of colonial and native societies in North America from first contacts to the eve of the imperial crisis.

Not open to students with credit for 656.

557 Early U.S. History

557.01 American Revolution and New Nation, 1763-1800 U G 5

Analysis of social, economic, cultural, and political changes in 18th century America.

Not open to students with credit for 658.

557.02 Jeffersonian and Jacksonian Democracy, 1800-1845 U G 5

A continuation of 557.01 but may be taken separately; primary emphasis on social and political history of postrevolutionary America.

Not open to students with credit for 659.

557.03 Civil War and Reconstruction U G 5

The causes, character, and consequences of America's intersectional war and the post-war settlement.

Not open to students with credit for 662.

564 Gilded Age to Progressive Era, 1877-1920 U G 5

Intensive study of the U.S. from 1877 to 1920; subjects include industrialization, Populism, Progressivism, immigration, urbanization, and foreign policy through

World War I.

Not open to students with credit for 563.

565 From the New Era to the New Frontier, 1921-1963 U G 5

U.S. domestic and foreign policy history, 1921 to 1963 covering New Era, New Deal, World War II, Cold War, Fair Deal, Eisenhower Republicanism, New Frontier.

566 The Contemporary United States since 1963 U G 5

Political, economic, social and cultural change since 1963; emphasis on political polarization, post-industrial economy, civil rights movement, feminism, environmentalism, Vietnam War, detente and globalization.

578 American Religious History U G 5

Survey of religious history of the United States from colonial times to the present.

593 Individual Studies U G 1-5

Individual study in some field of historical development; designed to allow the student to work on a problem of particular interest.

Su, Au, Wi, Sp Qtrs. Prereq: Permission of instructor. Repeatable to a maximum of 20 cr hrs. This course is graded S/U.

594 Group Studies U G 1-5

The investigation of particular problems in various fields of history.

Su, Au, Wi, Sp Qtrs. Repeatable to a maximum of 30 cr hrs.

597 Critical Issues of the 20th-Century World U 5

Contemporary global problems in historical perspectives; war and threat of war; intercontinental, racial, ideological, and economic conflicts; the search for a new world order.

Prereq: Jr or sr standing. Not open to students with credit for 400. GEC contemporary world course.

598 Seminars

GEC third writing courses.

598.02 Proseminar in History U 5

Designed to give undergraduate majors experience in the analysis of historical problems through a reading and research program.

H598.02 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq for 598.02: Sr standing in history or permission of instructor. Prereq for H598.02: Honors history major or permission of instructor. Not open to students with credit for 598 or 598.01. Repeatable to a maximum of 15 crs.

H783 Honors Research U 3-5

Informal conferences to allow full scope to the initiative of the student; a special topic is assigned and results are tested by papers and special examinations.

Prereq: 4th yr standing and 40 cr hrs in history courses with a grade of A in at least half of the history courses and an average of B in the remainder; permission of instructor under whose supervision the work is to be completed and the Arts and Sciences Honors Committee. At least 2 qtrs are required of candidates for the degree BA with distinction in history. Failure to receive a mark of S in this course is a disqualification for special honors. Repeatable to a maximum of 15 cr hrs. This course is graded S/U.

791 Topics in History G 1-5

The investigation of particular problems in various fields of history through individual studies.

Su, Au, Wi, Sp Qtrs. Arr. Prereq: Grad standing. Repeatable to a maximum of 20 cr hrs.

History of Art

201 History of Western Art I: The Ancient and Medieval Periods U 5

Examination of the history of Western art from the third millennium BC to the fifteenth century AD.

Not open to students with credit for 210. GEC arts and hums VPA course and historical studies.

202 History of Western Art II: Europe and the United States, Renaissance to Modern U 5

Examination of the history of art in Europe and the United States, from about 1500 to the present.

Not open to students with credit for 212. GEC arts and hums VPA course and historical studies.

213 Asian Art U 5

Art of Asian cultures from ancient through contemporary times.

Su, Au, Wi, Sp Qtrs. 5 cl. GEC arts and hums VPA course.

216 Introduction to African Art and Archaeology U 5

The art and archaeology of Africa with emphasis on the historic cultures of the Rock Art (8,000 B.C.), Egypt (3000 B.C.), Nok (900 B.C.), Igbo-Ukwu (695 A.D.), Ife (1200 A.D.), and Benin (1400-1900 A.D.).

5 cl. GEC arts and hums VPA course. VPA Admis Cond course.

Humanities, College of

294 Group Studies U 1-6

Interdisciplinary study under the direct auspices of the College of Humanities involving materials of an interdepartmental or intercollegiate nature.

H294 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs.

Latin

101 Elementary Latin I

5 cl. Not open to students with 3 or more years of study in this language in high school except by permission of dept. This course is available for EM credit. GEC for lang course. FL Admis Cond course.

101.01 Standard Classroom Track U 5

Introduction to reading Latin.

Au, Wi, Sp Qtrs. 5 cl. Not open to students with credit for 101 or 101.55.

101.55 Accelerated Latin I U 5

First part of the accelerated introductory Latin sequence, covering material offered in Latin 101 and first half of the material covered in Latin 102.

Au Qtr. 5 cl. Not open to student with credit for 101 and 102.

102 Elementary Latin II

5 cl. Prereq: 101.01 or 101. This course is available for EM credit. GEC for lang course. FL Admis Cond course.

102.01 Standard Classroom Track U 5

Continued study of elementary level Latin.

Au, Wi, Sp Qtrs. 5 cl. Prereq: 101.01. Not open to students with credit for 101.55, 102 or 102.55.

102.55 Accelerated Latin II U 5

Second part of the accelerated introductory Latin sequence, covering second half of material offered in Latin 102 and material offered in Latin 103.

Wi Qtr. 5 cl. Prereq: 101.55. Not open to students with credit for 102 and 103.

103 Intermediate Latin I U 5

Completion of Latin grammar and syntax; introduction to reading of Latin authors.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 102.01 or 102. Not open to students with credit for 102.55. This course is available for EM credit. GEC for lang course.

104 Intermediate Latin II U 5

Selected readings in Latin literature.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: Placement test or 103 or 102.55. This course is available for EM credit. GEC for lang course.

Mathematics

050 Precollege Mathematics I U 5

Arithmetic of fractions and decimals, basic algebra, graphing equations, geometry, exponents, applications of exponents, lines and slopes, area.

Su, Au, Wi, Sp Qtrs. 5 cl. Not open to students with credit for any higher numbered math course. Credit will not count toward graduation in any degree program.

075 Precollege Mathematics II U 4

Factoring, rational expressions and equations, graphs, systems of linear equations and inequalities, problem solving, roots and radicals, quadratic equations, complex numbers.

Su, Au, Wi, Sp Qtrs. 4 cl. Prereq: 050 or satisfactory score on Ohio State Math Placement Test. Not open to students with credit for any math course except 050. Credit will not count toward graduation in any degree program.

104 Basic College Mathematics U 5

Systems of equations, arithmetic of polynomials, rational expressions, factoring, fractional equations, inequalities, exponents, quadratic equations, absolute values, functions, and graphs.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 050 or satisfactory score on Ohio State Math Placement Test or permission of dept. Not open to students with credit for 130, or 148, or 150, or 151 or 151.xx. Credit may not count toward graduation in some degree programs.

105 Fundamental Mathematics Concepts for Teachers I U 5

Development of basic ideas of arithmetic, algebra and geometry as appropriate for school teachers.

Su, Au, Wi, Qtrs. 5 cl. Prereq: 075 or 076 or satisfactory score on Ohio State Math Placement Test.

106 Fundamental Mathematics Concepts for Teachers II U 5

Continuation of 105.

Wi, Sp Qtrs. 5 cl. Prereq: 105 or written permission of dept.

107 Topics in Mathematics for Elementary Teachers U 5

Further topics in mathematics selected by the instructors to broaden the mathematical perspectives of elementary teachers.

Au, Sp Qtrs. 5 cl. Prereq: 106 or written permission of dept.

116 Excursions in Mathematics U 5

Critical thinking and problem solving, with relevant topics met in everyday life; appropriate for non-physical sciences.

Su, Wi, Sp Qtrs. 5 cl. Prereq: 075 or 076 or 104 or satisfactory score on mathematics placement test. Not open to students with credit for 153 or 153.xx.

117 Survey of Calculus U 5

An introduction to differential and integral calculus.

Au, Wi, Sp Qtrs. 5 cl. Prereq: 150 or Level L on Ohio State Math Skills Assessment or permission of dept. Not open to students with credit for 132 or 151 or 151.xx. This course is not designated for students pursuing majors in business or the sciences.

130 Mathematical Analysis for Business I U 4

Equations, inequalities, absolute value, polynomial functions, matrices, applications to business.

Su, Au, Wi, Sp Qtrs. 4 cl. Prereq: 104 or placement M or N on the OSU Math placement test, or written permission of department. Not open to students with credit for 150 or higher numbered mathematics course. This course is available for EM credit.

131 Mathematical Analysis for Business II U 4

Differential calculus, limits, definition of derivative, calculation of derivatives, curve sketching, applications.

Su, Au, Wi, Sp Qtrs. 4 cl. Prereq: 130 or 148 or 150 or Math Placement Course Code L. Not open to students with credit for 151 or 151.xx or higher.

132 Mathematical Analysis for Business III U 5

Integral calculus, indefinite integration, area and definite integrals, improper integrals, functions of several variables, maxima, minima.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 131 or 151 or 151.xx. Not open to students with credit for 152 or 152.xx or higher.

148 Algebra and Trigonometry and Their Applications U 4

Applications from chemistry, physics and biology involving integer and rational exponents, solving and graphing linear and quadratic equations, systems of equations, trigonometry of acute angles, vectors and exponential equations.

Su, Au, Wi, Sp Qtrs. 4 cl. Prereq: 104 or satisfactory score on Ohio State Math Placement Test. Not open to students with credit for 150 or higher numbered mathematics course.

150 Elementary Functions U 5

Inverse functions, logarithmic, exponential and trigonometric functions, and their graphs; complex numbers.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 148 or satisfactory score on Ohio State Math Placement Test or permission of dept. Not open to students with credit for 151, 151.xx, 161, 161.xx, 161H01, or H190. This course is available for EM credit.

151 Calculus and Analytic Geometry I

Limits, continuity, derivatives, Mean Value Theorem, extrema, curve sketching, related rates, differentiation of the trig, log, and exp functions.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: C- or better in 150 or satisfactory score on Ohio State Math Placement Test. Not open to students with credit for 151 or 151.xx or 152 or 152.xx or higher; use of the Freshman Forgiveness Rule is restricted by this exclusion. GEC math and logical analysis course. This course is available for EM credit.

151.01 Calculus and Analytic Geometry I U 5

Standard course.

152 Calculus and Analytic Geometry II

Integrals, area, fundamental theorems of calculus, logarithmic and exponential functions, trigonometric and inverse trigonometric functions, methods of integration, applications of integration, polar coordinates.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: C- or better in 141 or 151 or 151.xx. Not open to students with credit for 152 or 152.xx or 153 or 153.xx or higher; use of the Freshman Forgiveness Rule is restricted by this exclusion. GEC math and logical analysis course. This course is available for EM credit.

152.01 Calculus and Analytic Geometry II U 5

Standard course.

153 Calculus and Analytic Geometry III

Indeterminate forms, Taylor's formula, improper integrals, infinite series, parametric curves, and vectors in the plane; vectors, curves, and surfaces in space.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: C- or better in 152 or 152.xx or 161 or 161.xx or H161 or H161.xx. Not open to students with credit for 153 or 153.xx or 254 or 254.xx or higher; use of the Freshman Forgiveness Rule is restricted by this exclusion. This course is available for EM credit.

153.01 Calculus and Analytic Geometry III U 5

Standard course.

254 Calculus and Analytic Geometry IV

Partial differentiation, Lagrange multipliers, multiple integrals, line integrals, and Green's theorem.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 153 or 153.xx or higher. Not open to students with credit for 254 or 254.xx or higher or 255 or 255.xx or higher; use of the Freshman Forgiveness Rule is restricted by this exclusion. This course is available for EM credit.

254.01 Calculus and Analytic Geometry IV U 5

Standard course.

Military Science

101 Introduction to Leadership and Military Officership Foundations I U 2

Introductory course to leadership and first course in Army ROTC. Review of basic life skills, introduction to, and organization of the Army, the Army value system and ethical behavior are covered.

Au, Wi, Sp Qtrs. 1 1-hr cl, 1 2-hr leadership lab. Prereq: Wi, Sp Qtrs, Permission of the instructor.

102 Introduction to Leadership and Military Officership Foundations II U 2

Continuation of 101 and open to all university students who want to become an Army officer, world leader or to learn more about the Army. Builds on lessons learned from 101 and develops problem-solving skills.

Wi Qtr. 1 1-hr cl, 1 2-hr leadership lab.

103 Introduction to Leadership and Military Officership Foundations III U 2

The culmination of topics taught in 101-102, although they do not need to be taken first. Focuses on leadership theory, decision-making, factors that influence leadership. "Life Skills" continue to be developed.

Sp Qtr. 1 1-hr cl, 1 2-hr leadership lab.

Music

101 Applied Music for Nonmajors Group Instruction I

Au, Wi, Sp Qtrs. 2 cl. Open only to non-music majors. VPA Admis Cond courses.

101.01^ Beginning Piano U 2

Group instruction for students who have had no previous piano study.

101.37^ Guitar U 2

Introduction course in guitar for nonmusic major. Includes chording, strumming and melodic playing.

Su, Au, Wi, Sp Qtrs. 2 cl, 2 contact hrs. Repeatable to a maximum of 4 cr hrs. May be used towards the minor in music.

This course is graded S/U.

102 Applied Music for Non-majors Group Instruction II

Wi, Sp Qtrs. 2 cl. Open only to non-music majors. VPA Admis Cond courses.

102.01 Piano U 2

Prereq: 101.01. Repeatable to a maximum of 4 cr hrs.

203 University Choirs

Au, Wi, Sp Qtrs.

203.03 University Chorus U 1

Oratorio and large choral works are studied and performed.

3 or more hrs rehearsal each wk. Prereq: Admission by audition only. Repeatable to a maximum of 18 cr hrs. VPA Admis Cond course.

208 Small Ensembles

Au, Wi, Sp Qtrs. 2 or more hrs rehearsal each wk. Prereq: Admission by audition and permission of instructor. VPA Admis Cond courses.

208.99 Miscellaneous U 1

Repeatable to a maximum of 18 cr hrs. including cr hrs earned in 199.10.

250 Music Cultures of the World U 5

A survey of musical cultures outside the Western European tradition of the fine arts.

Su, Au, Wi, Sp Qtrs. 5 cl. Not open to students with credit for 140. GEC arts and hums VPA and global focus course. VPA Admis Cond course.

251 The World of Classical Music U 5

An introduction to the world of classical music and to its genres, composers, styles, societies and historical periods.

Au, Wi, Sp Qtrs. 5 cl. H251 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open for credit to music majors. Not open to students with credit for 141. H251: Sp Qtr (offered on the regional campuses only). A musical background is not required. E251

may be offered for honors embedded experience. GEC arts and hums VPA and western (non-US) course. VPA Admis Cond course.

252 History of Rock and Roll U 5

The history and culture of rock and roll.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl., 1 1-hr lab. Not open to students with credit for 142. GEC arts and hums VPA course.

270 Basic Experiences in Music U 4

Basic and extended experiences in elements of music through singing, listening to music, playing instruments, and reading and creating music.

Au, Wi, Sp Qtrs. 5 cl. Prereq: Soph standing. This course is available for EM credit.

345 Topics in Music

Topic varies; study of selected topics in music.

Arr.

345.01 Music History U 3-5

Topic varies; study of selected topics in the history of Western music.

H345.01 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq for 345.01: 141 or 251. Prereq for H345.01: 250 or 251 suggested. Repeatable to a maximum of 15 cr hrs. Not offered at the Columbus Campus. GEC arts and hums VPA course.

370 Music for Elementary Teachers U 3

Music literature and teaching aids for children, including singing, rhythmic, creative, and listening experiences, and their presentation.

Au, Wi, Sp Qtrs. 5 cl. Prereq: 270 and professional standing.

693 Individual Studies U G 1-5

Individual studies in specified problems in the field of music.

Su, Au, Wi, Sp Qtrs. Prereq: Permission of instructor. Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

Philosophy

101 Introduction to Philosophy U 5

Examination of major problems, such as the nature of reality, knowledge, truth, morality, and the relation of philosophy to science and religion.

H101 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC arts and hums cultures and ideas course.

130 Introduction to Ethics U 5

The nature of right and wrong, good and evil; the grounds of moral choice and decision; the resolution of moral conflicts.

H130 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC arts and hums cultures and ideas course.

150 Introduction to Logic U 5

Deduction and induction: principles of clear statement and valid reasoning; fallacies; and the methods by which theories and laws are established.

Prereq: Math 075 or equiv. GEC math and logical analysis course.

Physics

103 The World of Energy I U 5

An examination of the concept of energy with its personal and global impact using the hands-on discovery mode.

Au, Sp Qtrs. 1 cl, 2 2-hr rec. Not open to students with credit for 100.02. Intended for non-science majors. NS Admis Cond course. GEC phys sci course.

109 Preparation for Physics U 4

Introduction to elementary concepts of mechanics with emphasis on correction of misconceptions and elementary mathematical methods in physics.

Au, Wi Qtrs. 4 cl. Prereq or concur: Math 150 or eligibility for Math 151. Recommended for students with little or no prior physics experience.

111 General Physics: Mechanics and Heat U 5

Su, Au, Wi, Sp Qtrs. 4 cl, 1 2-hr lab. Prereq: Eligibility for Math 150. This course is available for EM credit. NS Admis Cond course. GEC phys sci course.

112 General Physics: Electricity, Magnetism, and Light U 5

Su, Au, Wi, Sp Qtrs. 4 cl, 1 2-hr lab. Prereq: 111. This course is available for EM credit. NS Admis Cond course. GEC phys sci course.

131 Introductory Physics: Particles and Motion U 5

Major concepts of physics from a contemporary point of view; for students in physical sciences, mathematics, or engineering.

Su, Au, Wi, Sp Qtrs. 5 cl, 1 2-hr lab. Prereq: 1 entrance unit of physics or chem; and Math 151 and concur Math 152, or concur Math 161 or higher. This course is available for EM credit. NS Admis Cond course. GEC phys sci course. E131 may

be available for honors embedded experience at the regional campuses.

132 Introductory Physics: Electricity and Magnetism U 5

Continuation of 131.

Su, Au, Wi, Sp Qtrs. 5 cl, 1 2-hr lab. Prereq: 131; and Math 152 and concur Math 153, or concur Math 162 or higher. This course is available for EM credit. NS Admis Cond course. GEC phys sci course. E132 may be available for honors embedded experience at the regional campuses.

133 Introductory Physics: Thermal Physics, Waves, and Quantum Physics U 5

Continuation of 132.

Su, Au, Wi, Sp Qtrs. 5 cl, 1 2-hr lab. Prereq: 132, and Math 153 or Math 162 or higher. This course is available for EM credit. NS Admis Cond course. GEC phys sci course.

Political Science

100 Introduction to Comparative Politics U 5

Introduction to modern nation-state in diverse institutional forms: problems of state- and nation-building, representation, conflict, and making of government policy in selected countries.

Au, Wi, Sp Qtrs. H100 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC soc sci organizations and politics course.

101 Introduction to American Politics U 5

Introduction to American politics, the institutions and processes which create public policy, the strengths and weaknesses of the American political systems.

Su, Au, Wi, Sp Qtrs. 5 cl. H101 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 300. GEC soc sci organizations and politics course. SS Admis Cond course.

145 Global Politics U 5

Cooperation and conflict in world politics. Covers basic theories of international relations and key issues, including security, political economy, international organizations, and the environment.

Su, Au, Wi, Sp Qtrs. H145 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 105. GEC soc sci human, natural, and economic resources and global diversity course.

165 Introduction to Politics U 5

Introduction to politics and political science: power, democracy and authoritarianism, political participation, the state, political institutions, subfields of the discipline, and political research methodology.

Su, Au, Wi, Sp Qtrs. 5 cl. H165 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC soc sci organizations and politics course. SS Admis Cond course.

201 Introduction to Political Behavior U 5

Focus on concepts such as attitude, role, and group and their application in such areas as voting behavior and political participation.

5 cl. H201 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC soc sci individuals and groups course. SS Admis Cond course.

245 The United States in World Politics U 5

The role of the United States in world politics since the Second World War, emphasizing structural change in economic and political-military relations.

Su, Au, Wi, Sp Qtrs. H245 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 215. GEC soc sci organizations and politics course. SS Admis Cond course.

489 Political Science Internship U 2

Combines experience in political institutions or policy processes with analysis of that experience.

Su, Au, Wi, Sp Qtrs. Arr. Prereq: Permission of dept. Repeatable to a maximum of 10 cr hrs. This course is graded S/U.

501 The American Presidency U G 5

An examination of the American presidency, emphasizing the contemporary role of the president, the institutionalized presidency, and theories of presidential behavior.

5 cl.

502 Campaign Politics U G 5

The organization and strategy of American political campaigns; practical politics seen in the light of knowledge about political behavior and public opinion.

5 cl.

517 Legislative Politics U G 5

Analysis of legislatures and legislators, with a focus on the U.S. Congress

and some attention to state legislatures and representative assemblies in other countries.

Au, Wi Qtrs. 5 cl. Prereq: 101 or 300 or permission of instructor. Not open to students with credit for 617.

520 The American Constitution and Governmental Powers U G 5

Assessment of the contemporary realities of U.S. governmental authority as interpreted by the judiciary; emphasis on judicial review, case and controversy requirements, and legislative and executive power.

5 cl. Not open to students with credit for 694 Sp Qtr 1979 or Sp Qtr 1980.

545 Foreign Policy Decision Making U G 5

Examination of how political leaders make decisions, emphasizing such issues as leaders' reasoning processes and the impact of public opinion and foreign policy bureaucracies.

Au Qtr. 2 2-hr cl. Prereq: 245 or permission of instructor.

551 The United Nations System in Global Problem Solving U G 5

Activities and potential of the United Nations system in promoting economic well-being, environmental management, resource sharing, social justice, and control of violence.

5 cl.

553 Political Analysis of International Economic Relations U G 5

Examines the relationship between political and economic events in the international system; topics include global interdependence, inequality, scarce resources, periphery nation strategies.

5 cl. H553 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 653 or 753.

575 American Political Parties U G 5

Theories of political parties, party organization, individual voting behavior, nomination and electoral politics, the party in government.

5 cl. Not open to students with credit for 675.

589 Student Internship in Politics and Public Policy U G 0-15

Combines experience in political institutions or policy processes with analysis of that experience in light of relevant scholarly literature.

Arr. Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs.

593 Individual Studies U G 1-15

Students will devote their time to special projects including papers, exams, and practical political experience.

Prereq: Permission of instructor. Repeatable to a maximum of 15 cr hrs. This course is graded S/U.

597 Issues of the Contemporary World

Prereq: Jr or sr standing. GEC contemporary world courses.

597.02 Political Problems of the Contemporary World U 5

Critical political problems of industrialized and Third World societies, including governmental legitimacy, conflict and violence, social welfare, equality, and economic development.

Au, Wi, Sp Qtrs. 5 cl. H597.02 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 325. E597.02 may be offered for honors embedded experience at the regional campuses.

Psychology

100 General Psychology U 5

Introductory psychology, a prerequisite to advanced courses; the application of the scientific method to behavior; topics include learning, motivation, perception, personality, physiological basis of behavior.

Su, Au, Wi, Sp Qtrs. 5 cl. H100 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. SS Admis Cond course. This course is available for EM credit. GEC soc sci individuals and groups course. GEC social diversity in US course. E100 may be available for honors embedded experience at the regional campuses.

120 The Psychology of Academic and Personal Effectiveness U 3

A survey of theories and practices designed to improve higher level skills in reading, perception, learning, and adjustments.

2 cl, 1 2-hr lab. Available at regional campuses only.

220 Introduction to Data Analysis in Psychology U 5

Introduction to statistical analysis of psychological data; random samples, graphical and numerical techniques of descriptive statistics, correlation, regression, probability, sampling distribution, and hypothesis testing.

Au, Wi, Sp Qtrs. 2 1.5-hr cl, 1 2-hr lab. Prereq: 100 and Stat 145 or Math 130 or Math 148 or equiv. Not open to students with credit for 320 or Stat 245.

300 Research in Psychology: An Introduction U 4

An overview of issues, methods, and techniques of scientific psychological research.

Au, Wi, Sp Qtrs. Prereq: 100.

310 Basic Psychology: Perception U 4

Theory, methods, and physiological correlates of sensory and perceptual processes; emphasis on the relation of behavior to stimulus variation.

Prereq: 100, and 220 or 320 or Stat 145 or 245.

311 General Psychology: Motivation and Action U 3

A behavioristic presentation of experimental work on learning and motivation.

Prereq: 100; prereq or concur: 220 or 320, or Stat 145 or 245.

312 Learning, Memory, and Cognition U 4

An introduction to experimental study of human memory, learning, and cognition.

Au, Wi, Sp Qtrs. Prereq: 100; and 220 or 320, or Stat 145 or 245.

313 Behavioral Neuroscience U 5

Introduction to the structure and function of the nervous system in relation to behavior.

Au, Wi, Sp Qtrs. 4 cl. Prereq: 300.

321 Quantitative and Statistical Methods in Psychology U 5

A concentrated examination of applications of statistical tools in inference in contemporary psychology; hypothesis testing, regression, correlation, and analysis of variance.

Au, Wi, Sp Qtrs. 2 1.5-hr cl, 1 1.5-hr rec. Prereq: 100; and 220 or 320, or Stat 145 or 245. Not open to students with less than a grade of B in 220 or 320 or Stat 145 or 245.

325 Introduction to Social Psychology U 5

An introduction to research in social psychology; topics include individual motivation, group behavior, attitudes, and perception of self and others.

Prereq: 100. Not open to students with credit for 367.01.

331 Abnormal Psychology U 5

Examination of current theories and empirical findings regarding the major forms of psychopathology.

Su, Au, Wi, Sp Qtrs. Prereq for 331: 100. Prereq for H331: 100 and 3.2 CPHR, or permission of instructor. E331 may be available for honors embedded experience at the regional campuses.

333 Human Behavior Problems

Overview of the psychology of human sexuality including the nature and variety of human sexual experience, theories and therapies regarding sexual issues.

Au, Wi, Sp Qtrs. 2 2-hr cl. Prereq: 100.

333.02 Sexual U 5

340 Introduction to Life Span Developmental Psychology U 5

A survey of developmental psychology including some phylogenetic perspective.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. E340 may be available for honors embedded experience at the regional campuses.

367 Second Writing Course

Au, Wi, Sp Qtrs. Prereq: 100, English 110 or 111 or equiv, and soph standing or above. GEC second writing course.

367.01 Social Psychology U 5

Survey of group processes as they affect individual behavior; topics include individual motivation, group behavior, attitudes, and perception of self and others.

Not open to students with credit for 325.

375 Stereotyping and Prejudice U 4

Lectures address experimental research in stereotyping and prejudice; readings focus on historical, cultural, and sociological perspectives on issues related to gender, ethnicity, and social class.

Prereq: 100. GEC social diversity course.

376 Interpersonal Relationships U 5

Surveys the scientific literature on interpersonal relationships, including family, friends, and romantic partnerships.

2 2-hr cl. Prereq: 100.

394^ Group Studies U 1-5

Undergraduate seminar; topics vary and will be announced.

Prereq: 100. Repeatable to a maximum of 10 cr hrs. Including cr hrs earned in 294.

489 Internship in Psychology U 4

Provides psychology majors with an opportunity to intern in a professional setting to integrate academic knowledge with experience in the world of work.

Prereq: 100; psych majors only; jr or sr standing and permission of instructor.

500 Experimental Psychology U 5

An overview of experimental methodological techniques with experiments

selected for cultural value; as preparation for technical study; and to represent paradigms used in human and animal research.

2 cl, 3 lab hrs. Prereq: 100; 220 or 320, or Stat 145 or 245; and 300; and English 110 or 111 or equivs with permission of instructor. Open only to psych majors. GEC third writing course.

505 Historical Development of Psychology U G 5

Development of psychology from the 19th century to present status as science and profession. Emphasis on contributions and lives of psychologists.

3 1.5-hr cl. Prereq: 100.

511 Psychological Testing U G 4

An overview of theoretical and practical aspects of the assessment and prediction of human behavior; topics include achievement, intelligence, personality, attitudes, interests, and interpersonal relations.

2 2-hr cl. Prereq: 100; 220 or 320 or 321 or Stat 145 or 245. Not open to students with credit for 597.02.

521 Personnel Psychology U G 4

Overview of theory, method, and practices of personnel psychology: job analysis, recruiting, personnel selection, performance appraisal, and training.

Prereq: 100; 220 or 320, or Stat 145 or 245.

522 Organizational Psychology U G 4

Overview of theory, method, and practice of organizational psychology: motivation, job attitudes, leadership, groups, organizational design.

Prereq: 100; 220 or 320 or Stat 145 or 245.

530 Psychology of Personality U G 4

Major theoretical and research orientations in the study of personality; consideration of psychological processes involved in the attribution of personality characteristics.

Su, Au, Wi, Sp Qtrs. 3 cl. Prereq: 100.

531 Health Psychology U 4

Introduction to health psychology; health-promoting and health-damaging behaviors; modification of health behaviors; stress and coping; management of illness; stress management strategies.

Prereq: 100. Not open to students with credit for 531.03.

539^ Stress, Social Support, and the Professional Helper U G 3

Stress at work and elsewhere; emphasis on treatment through social support. Designed for health professionals, personnel workers, teachers, and related specialists in human services.

Prereq: 100. Not open to students with credit for 640. Available at Newark campus.

540 Counseling Psychology: An Introduction U G 4

Introduction to the theories, research, and practice of counseling psychology.

Su, Au, Wi, Sp Qtrs. Prereq: 100.

543 Psychology of Women U G 5

Exploration of the nature and causes of sex differences in behavior patterns and factors influencing development of women through psychological theory and research.

Prereq: 100.

550 Psychology of Childhood U G 4

Presentation of psychological aspects of growth and development in early and middle childhood.

Su, Au, Wi, Sp Qtrs. Prereq: 100.

551 Adolescence U G 5

An examination of the biological, psychological, and social aspects of normal adolescent development.

Su, Au, Wi, Sp Qtrs. Prereq: 100.

552 Psychology of the Adult Years U G 3

Theory and research related to adulthood as a sequence of psychological stages involving adjustment and coping behaviors; relationship of adulthood to other life-span stages.

Prereq: 100.

571 Psychology of Developmental Disabilities U G 4

Overview of developmental disabilities including causes, nature, and psychological characteristics; diagnosis and psychometric assessments; and behavioral, psycho-educational, and biological forms of prevention and intervention.

Arr 20-hr practicum at select off-campus sites involving active, hands-on experience. Prereq: 100 or permission of instructor.

693 Individual Studies

Individual reading or research projects by special agreement between instructor and student.

Su, Au, Wi, Sp Qtrs. Prereq: 300, an additional 9 cr hrs of psych, and permission of instructor. Repeatable to a maximum of 30 cr hrs for undergrads and to a maximum of 45 cr hrs for grads in any combination of decimal subdivisions. Maximum 6

credit hours may be applied to the undergraduate major in psychology.

693.01 Clinical Psychology U G 1-15

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

693.03 Developmental Psychology U G 1-15

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

693.04 Human Experimental Psychology U G 1-15

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

693.07 Social Psychology U G 1-15

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

693.08 Psychobiology U G 1-15

Repeatable to a maximum of 30 cr hrs. This course is graded S/U.

Rural Sociology

105 Introduction to Rural Sociology U 5

Principles of society, major social institutions, and social change; emphasizes social changes in rural life, rural organizations, population, and family living.

Su, Au, Wi, Sp Qtrs. 5 cl. Not open to students with credit for Sociol 101 or 201. BER/GEC/LAR course. SS Admis Cond course.

Social Work

230 Individual Needs and Societal Responses U 5

Introductory understanding of human needs, social values, ideologies, and institutional structures which have shaped the evaluation of social welfare programs in America.

Au, Wi, Sp Qtrs. 2 1.5-hr cl, 1 2-hr lab. Not open to students with credit for 220. BER/GEC/LAR course.

300 Minority Perspectives: Race, Ethnicity, and Gender U 5

Examination of the structure of human societies, cultures, and institutions, and the allocation of resources from the vantage point of oppressed minority populations.

Au, Wi, Sp Qtrs. 2 1.5-hr cl, 1 2-hr lab. Prereq: 10 cr hrs of course work in polit sc, psych, or social. Not open to students with credit for 600. GEC course.

597 Adolescent Parenthood and Sexuality: International Perspectives U G 5

Examination of origins of adolescent sexual problems in milieus that develop different value systems; public policies and social programs designed to control adolescent sexuality and parenthood.

Su Qtr. 2 2.5-hr cl. Prereq: Sr standing; and 15 cr hrs of course work in social science in individual development, adolescence, the family, culture, and social change. Not open to MSW students. GEC/LAR course.

695 Integrative Seminars

Examines the various fields of social work practice; focuses on developing the ability to set practice goals, decide methods of intervention, implement, and evaluate consequences.

Su, Au, Wi, Sp Qtrs.

695.09 Alcoholism U G 3

1 3-hr cl.

695.11 Intensive, In-Home, Family-Based Treatment U G 3

Holistic approach to home-based family services; includes advocacy, didactic instruction and resource networking.

Su, Au, Wi, Sp Qtrs. 1 3-hr cl. May fill social work elective credits.

695.12 Child and Family Services U G 3

1 3-hr cl. May be taken to fulfill social work elective cr hrs.

695.13 Corrections U G 3

1 3-hr cl. May be taken to fulfill social work elective cr hrs.

695.14 Aging U G 3

1 3-hr cl. May be taken to fulfill social work elective cr hrs.

695.20 Sexualities, Diversity, and Social Work U G 3

Ecological and social systems perspectives on sexual diversity for social workers and human services professionals. Content consistent with social work ethics and values, especially advocacy for the marginalized and oppressed.

Su, Au, Wi, Sp Qtrs. 1 3-hr cl. Prereq: Sr standing or permission of instructor.

695.23 Social Work and the Law U G 3

How legal concepts and principles shape policy and practice; how social research is used by the legal system and how social activism influences the legal system.

Su, Au, Wi, Sp Qtrs. 1 3-hr cl. Prereq: Sr standing. May be taken to fulfill social work elective credits.

710 Women's Issues in Social Work P G 3

Examination of relevant issues in the professional practice of social work.

Su, Au, Wi Qtrs. 1 2.5-hr cl. Prereq: Grad standing.

711 Race and Ethnicity in Social Work Practice P G 3

An analytical approach to problems, needs, and intervention for effective social work practice with the oppressed target populations of Appalachians and Blacks.

Su, Au, Wi, Sp Qtrs. 1 2.5-hr cl. Prereq: Grad standing.

720 Social Welfare Policies and Programs I P G 3

Historical and comparative analysis of social welfare systems; their relationship to change in the basic social institutions: family, church, government, and economic institutions.

Au Qtr. 1 2.5-hr cl. Prereq: Soc work grad standing or permission of instructor.

721 Social Welfare Policies and Programs II P G 3

The development and application of a conceptual model for social welfare policy and program analysis.

Wi Qtr. 1 2.5-hr cl. Prereq: 720.

730 Seminars in Social Functioning

Critical examination of personality, interactional, small group, organizational and community concepts and approaches used in social work analysis of social dysfunction.

Su, Sp Qtrs. 1 2.5-hr cl. Prereq: Soc work grad standing.

730.01 Institutional and Organizational Behavior P G 3**730.02 Psychopathology and Deviance P G 3****733 Human Behavior and the Social Environment I P G 3**

Social work theories and concepts related to individuals and families as they develop over the life span; systems model provides a unifying framework.

Au Qtr. 1 2.5-hr cl. Prereq: Soc work grad standing or permission of instructor.

734 Human Behavior and the Social Environment II P G 3

Continues applying the social work systems and life span frameworks to extra-familial environments (i.e., groups, communities and cultures) that affect individual development and social functioning.

Wi Qtr. 1 2.5-hr cl. Prereq: 733.

744 Social Work Practice Lab P G 3

Didactic and experiential learning of generalist practice skills.

Au Qtr. 1 3-hr cl. Open only to social work major only of grad standing. This course is graded S/U.

750 Social Welfare Policies and Programs

Unique and specific aspects of social welfare policies and programs in selected fields of Social Work which augment Clinical and Social Planning/Administration concentrations.

Su, Au, Wi, Sp Qtrs. 1 2.5-hr cl. Prereq: 721 and 746 or 747. Students may not register for more than a total of 9 cr hrs under this number; subdivisions not repeatable.

750.01 Child and Family Services P G 3

Understanding and application of the analytic model of social welfare policies and programs with special emphasis on the disadvantaged as applied to child and family social work practice.

750.04 Mental Health P G 3

Utilizing a social policy analytic framework; introduces social welfare policy issues and program organization.

770 Research Methods in Social Work P G 3

Basic research methodology; the role of research in social work.

Su, Au Qtrs. 1 2.5-hr cl. Prereq: Soc work grad standing or permission of instructor.

771 Data Analysis Designs P G 3

Interpretation of social work data; quantitative techniques; designs of data analysis.

Su, Wi Qtrs. 1 2.5-hr cl. Prereq: Soc work grad standing or permission of instructor.

772 Evaluation of Social Work Practice P G 3

Utilization and selection of methodological techniques and applications for evaluating practice design and program effectiveness.

Su, Sp Qtrs. 1 2.5-hr cl. Prereq: 770 and 771. Not open to students with credit for 875.01 or 875.03.

793 Individual Studies P G 1-5

Directed readings and tutorials related to specific problems.

Su, Au, Wi, Sp Qtrs. Prereq: Soc work grad standing, permission of instructor. Repeatable to a maximum of 15 cr hrs. This course is graded S/U.

Sociology

101 Introductory Sociology U 5

Fundamental concepts of sociology and introduction to the analysis of social

problems and social interactions, (e.g. wealth, gender, race inequality, family, crime) using sociological theories.

Su, Au, Wi, Sp Qtrs. H101 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for Rurl Soc 105 or equiv. GEC soc sci organizations and politics, and social diversity course. SS Admis Cond course.

202 Social Problems U 5

Analysis of contemporary social problems.

SS Admis Cond course.

209 Introduction to Criminal Justice U 5

Examination of the development and administration of criminal law and agencies (police, prosecutors, courts); emphasis on criminal proceedings and their justification.

294 Group Studies U 3-5

Topics vary each quarter offered.

Repeatable to a maximum of 10 cr hrs.

340 Sex and Love in Modern Society U 5

How behavior and meanings relating to sex and love have changed in recent decades, what explains these changes, and consequences of these changes.

345 Contemporary American Society U 5

An exposition of the structural patterns of American society, using sociological theories and data but integrating them into a general view.

H345 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC soc sci organizations and politics course.

367 Second Writing Course

GEC second writing courses.

H367.01 Politics and American Society U 5

Sociological analysis of American politics and society, emphasizing political elites and interest groups, and the changing role of the state in the economy.

Prereq: English 110 or 111 or equiv.

380 Race in Society U 5

Historical and contemporary study of race and ethnicity in the US with a focus on relations within and between groups.

GEC soc sci individuals and groups course. SS Admis Cond course.

463 Social Stratification: Race, Class, and Gender U 5

The study of social inequality with a focus on inequalities by class and status, race and ethnicity, and gender.

H463 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq for H463: Honors standing. GEC soc sci human, natural, and economic resources course.

467 Sociology of Religion U 5

The social role of religious institutions and beliefs, with particular reference to the United States; the relation between religion and other aspects of society.

GEC social diversity course.

488 Introduction to Sociological Theory U 5

Introductory statement of the nature of sociological theory, its basic problems, assumptions, major types and orientations, and principal contributions to the discipline.

Su, Au, Wi, Sp Qtrs. Prereq: 5 cr hrs in social.

597 Issues of the Contemporary World

Prereq: Jr or sr standing. GEC courses.

597.01 Contemporary World Societies: Social Institutions and Social Change U 5

Sociological analysis of contemporary world societies-non-industrialized, industrializing, and industrialized-with special attention to major social institutions and patterns of social change.

Spanish

101 Elementary Spanish I

Introduction to Spanish; development of listening, reading, speaking, and writing skills.

Su, Au, Wi, Sp Qtrs. Not open to native speakers of this language through regular course enrollment or EM credit, or to students with 2 or more years of study in this language in high school, except by permission of dept. GEC for lang courses. FL Admis Cond courses.

101.01 Classroom Track U 5

Students must register for and complete 5 cr hrs during the qtr.

This course is available for EM credit.

102 Elementary Spanish II

Continued study of Spanish; development of listening, reading, speaking and writing skills.

Su, Au, Wi, Sp Qtrs. Not open to native speakers of this language through regular course enrollment or EM credit. GEC for lang courses. FL Admis Cond courses.

102.01 Classroom Track U 5

Prereq: 101.01. Students must register for and complete 5 cr hrs during the qtr. This course is available for EM credit.

103 Intermediate Spanish I

Continued study of Spanish; development of listening, reading, speaking, and writing skills; readings based on Spanish culture and literature.

Su, Au, Wi, Sp Qtrs. Not open to native speakers of this language through regular course enrollment or EM credit. GEC for lang courses.

103.01 Classroom Track U 5

Prereq: 102.01. Students must register for and complete 5 cr hrs during the qtr. This course is available for EM credit.

104 Intermediate Spanish II U 5

Reading of Spanish short stories, plays, and media with attention to literary appreciation; development of basic language skills.

Su, Au, Wi, Sp Qtrs. 5 cl. Prereq: 103.01 or 103.66 or equiv. Not open to native speakers of this language through regular course enrollment or EM credit; or to students with credit for 104. This course is available for EM credit. GEC for lang courses.

151 Introduction to Latin American Culture and Literature U 5

Introduction to the culture of Spanish America and Brazil through literature, art, music, film, and folklore.

2 2-hr cl, 1 1-hr rec. Taught in English. GEC arts and hums cultures and ideas course.

Statistics

133 Statistics for the Business Sciences U 5

Introduction to basic concepts of descriptive statistics and probability; including graphical and numerical data summaries, properties of discrete and continuous probability distributions, and sampling distributions.

Su, Au, Wi, Sp Qtrs. 3 hr lecture; 2 1-hr recitations. Night version 3 hr lecture (1.5-hr twice/week) + 1 2-hr recitation. H133 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Prereq: Math 132 and CS&E 200.

135 Elementary Statistics U 5

Introduction to probability and statistics, experiments, and sampling, data analysis and interpretation.

Su, Au, Wi, Sp Qtrs. 3 1-hr cl, 2 labs. Prereq: Math 050 or Mathematics Placement Level S. Not open to students with credit for any of the following: 125, 145, 245, Econ 442, Ed-T&P 786, Mol Gen 650, Polit Sc 685, Psych 220 or 510, or Soc Work 570 or 571. GEC data analysis course.

145 Introduction to the Practice of Statistics U 5

Topics include probability, descriptive statistics, correlation, regression, design of experiments, sampling, estimation, and testing; emphasis on applications, statistical reasoning, and data analysis using statistical software.

Su, Au, Wi, Sp Qtrs. 3 1-hr cl, 2 labs. Prereq: Math placement level L or M, Math 116 or 130 or 148 or 150 or 151 or equiv. GEC data analysis course.

Theatre

100 Introduction to Theatre U 5

A study of the theatre with emphasis upon its cultural and social influences in our society.

Su, Au, Wi, Sp Qtrs. H100 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. GEC social diversity and arts and hums VPA course. VPA Admis Cond course. E100 may be available for honors embedded experience at the regional campuses.

205 Technical Production Practicum U 1

Provides experience in technical production activities.

Su, Au, Wi, Sp Qtrs. Repeatable to a maximum of 6 cr hrs. VPA Admis Cond course.

220 Technical Production Fundamentals I U 5

Basic aspects of scenery design construction; theory, process, equipment, materials, and skills.

Su, Au, Wi Qtrs. 2 cl, 2 lab hrs; plus 20 practicum hours. VPA Admis Cond course.

280 Craft of Acting U 5

Basic acting techniques; imagination, concentration, human psychology as applied to creation of character and development of stage presence.

Su, Au, Wi, Sp Qtrs. 2 2-hr cl. VPA Admis Cond course. GEC arts and hums VPA course.

367 Theatre Writing Courses

Study of theatre history at an intermediate level with emphasis on writing skills.

5 cl or 2 2.5-hr cl. Prereq: English 110 or 111 or equiv, and soph standing or above. GEC second writing and social diversity courses.

367.01 Self Images: America on Stage, 1830 to the Present U 5

Exploration of the images of Americans presented on popular stages through written analysis of theatrical and critical texts.

Au, Wi, Sp Qtrs. H367.01 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 367.

386 Stage Movement Studio I U 3

Fundamentals of movement training; particular attention on physical awareness, body alignment, and physical principles of acting.

Au, Wi, Sp Qtrs. 4 cl. Prereq: 280.

405 Theatre Practicum II

Provides experience in theatrical performance and production activities at an intermediate level.

Su, Au, Wi, Sp Qtrs. Prereq: Permission of instructor. Repeatable to a maximum of 18 cr hrs in any combination of decimal subdivisions.

405.08 Acting U 1-3

Repeatable to a maximum of 18 cr hrs.

405.09 Theatre Management U 1-3

Repeatable to a maximum of 18 cr hrs.

Undergraduate Student Academic Services

100 University Survey

Introduction to the University community; strategies for successful transition to and participation in that community; institutional context of academic programs; education and learning as life-long processes; University resources and procedures.

Su, Au, Wi, Sp Qtrs. 2 1-hr cl. Not open to students with credit for Agr 100, Arch 100, Arts Col 100, Arts&Sci 100, Bio Sci 100, Bus Adm 100, Engineer 100, Hum Col 100, MPS Col 100, Nursing 100, SBS Col 100, or Scholars 100. H100 (honors) decimal subdivisions may be available to students enrolled in an honors program or by permission of college. Students schedule a section of University Survey corresponding to their curricular academic program.

100.21 Exploration Survey U 1

Women's Studies

110 Women, Culture, and Society U 5

Interdisciplinary analysis of women, culture, and society; topics include cultural images, socialization, media, sexuality, sexual orientation, work, family, politics, violence, inequality, and racial diversity.

Su, Au, Wi, Sp Qtrs. 5 cl or 2 2-hr cl. H110 (honors) may be available to students enrolled in an honors program or by permission of dept or instructor. Not open to students with credit for 101, 201, 202, or 210. GEC soc sci individuals and groups, and social diversity course.

215 Reading Women Writers U 5

Study of women writers' strategies for articulating experiences and using literature as a lens for social reality and catalyst for social and political change.

GEC Arts and Hums lit course.