International Language: Linguistics (ILL)

340 Traditional Literature of Southeast Asia (3)
(fall) Survey of traditional literature of Southeast Asia in English.

345 Modern Literature of Southeast Asia (3)
(winter) Survey of modern literature of Southeast Asia in English.

369A Women in Chinese Literature (4)
Introduction to Chinese language, culture, and society through reading in English translation of fictional representations of women in China.

International Literature: Modern Languages (ILML)

334(A-Z) Portuguese and Brazilian Literature in English (4)
Literature of Portugal or literature of Brazil in English translation. See schedule of classes for topics each quarter.

335(A-Z) Latin Literature in English (4)(2H)
Famous literary works of best Latin authors, presented in English. See schedule of classes for topics each quarter.

336(A-Z) Spanish Literature in English (4) (2H)
Topics may deal with either Spanish or Latin American literature. See schedule of classes for topics each quarter.

337(A-Z) French Literature in English (4)(2H)
Survey of masterpieces of French literature, read and discussed in English. See schedule of classes for topics each quarter.

338(A-Z) German Literature in English (4) (2H)
Survey of masterpieces of German literature, presented in English.

339(A-Z) Russian Literature in English (4)
Survey of Russian literature from beginnings to revolution, presented in English.

Italian (Romance) (ITAL)

111 Elementary Italian (4)
(fall) Beginning course of 3-credit 1st-year sequence.
Prereq: 111 or equiv. (winter) Continuation of 111.

112 Elementary Italian (4)
Prereq: 112. (spring) Continuation of 112.

211 Intermediate Italian (4) (2C)
Prereq: 213 or 2–3 yrs h.s. Italian. (fall) 1st course of 3-credit intermediate-level sequence.

212 Intermediate Italian (4) (2C)
Prereq: 211 or equiv. (winter) Continuation of 211.

213 Intermediate Italian (4) (2C)
Prereq: 212 or equiv. (spring) Continuation of 212.

251x Japanese Language and Culture I (4)
Prereq: 113. Study of Japanese culture and society through classwork and experiential activities that utilize the student's developing skills in the Japanese language. Students will be in Japan as part of the Chubu Study Abroad program.

252x Japanese Language and Culture II (4)
Prereq: 113. Study of Japanese culture through readings on contemporary Japan and interviews with Japanese people. Students will be in Japan as part of the Chubu Study Abroad program.

311 Advanced Japanese (4)
Prereq: 213 or equiv. (fall) Beginning of advanced-level sequence.

312 Advanced Japanese (4)
Prereq: 311 or equiv. (winter) Continuation of 311.

313 Advanced Japanese (4)
Prereq: 312 or equiv. (spring) Continuation of 312.

338 Spoken Japanese I
Development of receptive and productive skills to engage in extended oral discourse in a wide range of interpersonal communicative situations. Emphasis on sociocultural aspects of language use.

341 Business Japanese I
Adaptation of productive and receptive skills introduced in JPN 111–213 courses specifically for use in the context of the contemporary Japanese workplace.

348 Readings in Japanese Culture I (4)
Prereq: 213x or 311 or perm. Social, political, and cultural aspects of modern Japan, through readings, discussions, class reports, and short papers. All work will be done in Japanese.

349 Readings in Japanese Culture II (4)
Prereq: 348. Social, political, and cultural aspects of modern Japan, through readings, discussions, class reports, and short papers. All work will be done in Japanese.

399 Special Studies in Japanese (1–3)
Prereq: perm. Reading and discussion of arranged assignments in books, periodicals, and tapes on specific topics related to Japanese language and culture.

411 Fourth-Year Japanese (4)
Prereq: 313 or equiv. (fall) Beginning of fourth-year sequence.

412 Fourth-Year Japanese (4)
Prereq: 411 or equiv. Continuation of 411.

413 Fourth-Year Japanese (4)
Prereq: 412 or equiv. Continuation of 412.

Japanese Culture (JPC)
250 Introduction to Japanese Culture (4) (2C)
Prereq: 342 or equiv. Continuation of 412.

250 Field Study in Japan (2)
Prereq: 353. (on demand) Specialized work in selected phases of classical study.

250 Advanced Latin Syntax (4)
Prereq: 353. Writing of Latin prose.

440 Special Work in Latin (1–6, max 12)
Prereq: 353. (on demand) Specialized work in selected phases of classical study.

Modern Languages (Introductory Culture and Civilization; Professional Courses) (ML)

Note: 250A–D, 410, and 445 do not count toward the major. With departmental approval 250A–D may be applied to the Arts and Sciences humanities requirement.

250A Field Studies in Austria (1–4, max 4)
Prereq: perm. Designed to introduce participants in study abroad program to various aspects of life in target country.

250B Field Studies in France (1–4, max 4)
Prereq: perm. Use 250A for description.

250C Field Studies in Mexico (1–4, max 4)
Prereq: perm. Use 250A for description.

250D Field Studies in Spain (1–4, max 4)
Prereq: perm. Use 250A for description.

250E Field Studies in Russia (3)
Prereq: perm. Use 250A for description.

250F Field Studies in Germany (4)
Prereq: GER 111 or equiv. Designed to introduce participants in study abroad program to various aspects of life in target country.
Courses / International Literatures in English

250G Field Studies in Ecuador (4)
Prereq: perm. Designed to introduce participants in study abroad program to various aspects of life in target country.

250Q Field Studies in Quebec (4)
Prereq: perm. Designed to introduce participants in study abroad program to various aspects of life in target country.

311J Writing in Two Languages (4) (1J)
Prereq: fr comp, Jr; 213 Fl or equiv. Course designed for the English-speaking student with two or more years of French (or course-specific language) who would like to improve his or her English writing skills using a comparative language approach.

370J Translation as Writing (4) (1J)
Prereq: fr comp, Jr; 213 Fl or Non-fl. An introduction to the practice and theory of translation into English with special emphasis on translation as a form of writing/composition. Analysis and discussion of good writing and of the students’ own translations and compositions.

410 Technology in Language Teaching (4)
Prereq: EDCT 203 or perm. Use of computers and associated media as correlated with modern language classroom; instruction in selection, preparation, and use of instructional materials and tests, and in successful operation of computers, lab, and classroom equipment. Required of majors who plan to teach.

430 Video in Foreign Language Teaching (4)
Prereq: jr. This course will develop students’ abilities to evaluate foreign language video materials, teach techniques for developing their own video programs, and familiarize them with methods for integrating authentic video into the foreign language curriculum.

435 Teaching Foreign Languages in the Elementary School (4)
Prereq: perm. Surveys of the cognitive development of children and second language acquisition provide the basis for practical class work. Students design units and prepare learning activities to present in class. Lab experience includes 20 hours observation and participation on the elementary school level. Required of all foreign language majors who plan to teach.

445 Teaching of Modern Foreign Languages (4)
Prereq: perm. Not to be counted as hours above 200 for A.B. degree. Study, demonstration, and use of methods and materials for effective modern foreign language instruction. Required of majors who plan to teach.

Russian (Slavic) (RUS)

111 Elementary Russian (4)
(fall) Introduction to alphabet, reading, writing, and basic grammar. Development of speaking and comprehension skills. Beginning course of 3-qt 1st-yr sequence.

112 Elementary Russian (4)
Prereq: 111 (winter) Continuation of 111.

113 Elementary Russian (4)
Prereq: 112. (spring) Continuation of 112.

211 Intermediate Russian (4) (2C)
Prereq: 113 or 2-3 yrs h.s. Russian. (fall) Continuation of Russian language study. Review and continuation of grammar. 1st course of 3-qt intermediate-level sequence.

212 Intermediate Russian (4) (2C)
Prereq: 211 or perm. (winter) Continuation of 211. Extensive reading, writing, listening, and oral practice.

213 Intermediate Russian (4) (2C)
Prereq: 212 or 4-5 yrs h.s. Russian. (spring) Accelerated reading, writing, listening, and oral practice. Completion of 213 fulfills foreign language requirement of College of Arts and Sciences.

298 Independent Study in Russian (1-2, max 6)
Prereq: 213 or perm. Reading and discussion of assigned materials (books, periodicals, films) on specific topics involving Russian language. Does not count toward minor. Does not satisfy language requirement.

213 Intermediate Spanish (4) (2C)
Prereq: 212 or 4-5 yrs h.s. Spanish. Continuation of 213. Completion of 213 fulfills foreign language requirement of College of Arts and Sciences.

298 Independent Study in Spanish (1-2, max 6)
Prereq: 213 or perm. Reading and discussion of assigned materials (books, periodicals, films, tapes) on specific topics involving Spanish language. Does not count toward major or minor. Does not satisfy language requirement.

341 Advanced Conversation and Composition (4)
Prereq: 213 or perm. (fall) Development of conversation, reading, and writing skills. Advanced grammar.

342 Advanced Conversation and Composition (4)
Prereq: 341 or perm. Continuation of 341.

343 Advanced Conversation and Composition (4)
Prereq: 342 or perm. Continuation of 342.

348 The Cultural History of Russia (4)
Prereq: 213 or perm. Cultural development of Russia from the 10th to the 17th centuries. Readings and lectures in Russian.

349 The Cultural History of Russia (4)
Prereq: 213 or perm. Continuation of 348. Cultural development of Russia from the 18th century to the present day. Readings and lectures in Russian.

355 Introduction to Russian Literature (4)
Prereq: 213 or perm. Introduction to literary terms. 19th-century literary movements and authors. Reading and lectures in Russian.

356 Introduction to Russian Literature (4)
Prereq: 213 or perm. 20th- and 21st-century developments in Russian literature. Reading and lectures in Russian.

396 Internship in Russian (1-5)
Prereq: perm of internship director. Practice using the language in a work environment. Does not count for major.

419 19th-Century Russian Literature (4)
Prereq: 355, 356.

429 Russian Literature in the Soviet Era (4)
Prereq: 355, 356.

435 Proseminar (1-4, max 12)
Prereq: perm. Intensive analysis of major author, literary genre, or theme. May be repeated when subject is changed.

437 Applied Phonetics (4)
Prereq: 345 or perm. Systematic study of Russian pronunciation focusing on oral practice.

439 Structure of Modern Russian
Prereq: 343 or perm. Advanced grammar and syntax. Emphasis on reading and writing.

441 Stylistics (4)
Prereq: 343 or perm. Advanced writing and stylistic analysis. Practice in variety of nonfiction prose techniques.

498 Independent Study in Russian (1-2, max 4)
Prereq: 8 cr of at least 300 level or perm. Directed individual readings, discussion, and reports at the advanced level. Does not count toward minor.

Spanish (Romance) (SPAN)

111 Elementary Spanish I (4)
Developing proficiency in listening, reading, speaking, and writing essential to interactive language learning. First of a 3-course sequence of beginning Spanish.

112 Elementary Spanish II (4)
Prereq: 111. Continuation of 111. No credit if 112.

113 Elementary Spanish III (4)
Prereq: 112. Continuation of 112. No credit if 113.

199 Spanish for Review (4)
No CR if 111 or 112 or 113. Preparation for SPAN 211 for students with some high school Spanish. Review of grammar and vocabulary with intensive practice in adaptation to college-level expectations and instructional techniques. Emphasis on all four skills: speaking, listening, reading, and writing. Offered fall quarter. Does not satisfy language or humanities requirement.

211 Intermediate Spanish (4) (2C)
Prereq: 113 or 2-3 yrs h.s. Spanish. Culture-based approach to increase language proficiency. Students continue to develop listening, reading, speaking, and writing skills as they study the diverse history and customs of Spanish speakers around the world.

212 Intermediate Spanish (4) (2C)
Prereq: 211 or perm. Continuation of 211.

213 Intermediate Spanish (4) (2C)
Prereq: 212 or 4-5 yrs h.s. Spanish. Continuation of 213. Completion of 213 fulfills foreign language requirement of College of Arts and Sciences.

298 Independent Study in Spanish (1-2, max 6)
Prereq: 213 or perm. Reading and discussion of assigned materials (books, periodicals, films, tapes) on specific topics involving Spanish language. Does not count toward major or minor. Does not satisfy language requirement.

341 Advanced Conversation and Composition (4)
Prereq: 213 or perm. Continuation of 213.

342 Advanced Conversation and Composition (4)
Prereq: 341 or perm. Continuation of 341.

343 Advanced Conversation and Composition (4)
Prereq: 342 or perm. Continuation of 342.

348 Technology in Language Teaching (4)
Prereq: EDCT 203 or perm. Use of computers and associated media as correlated with modern language classroom; instruction in selection, preparation, and use of instructional materials and tests, and in successful operation of computers, lab, and classroom equipment. Required of majors who plan to teach.

455 Teaching Foreign Languages in the Elementary School (4)
Prereq: perm. Surveys of the cognitive development of children and second language acquisition provide the basis for practical class work. Students design units and prepare learning activities to present in class. Lab experience includes 20 hours observation and participation on the elementary school level. Required of all foreign language majors who plan to teach.

445 Teaching of Modern Foreign Languages (4)
Prereq: perm. Not to be counted as hours above 200 for A.B. degree. Study, demonstration, and use of methods and materials for effective modern foreign language instruction. Required of majors who plan to teach.

Russian (Slavic) (RUS)

111 Elementary Russian (4)
(fall) Introduction to alphabet, reading, writing, and basic grammar. Development of speaking and comprehension skills. Beginning course of 3-qt 1st-yr sequence.

112 Elementary Russian (4)
Prereq: 111 (winter) Continuation of 111.

113 Elementary Russian (4)
Prereq: 112. (spring) Continuation of 112.

211 Intermediate Russian (4) (2C)
Prereq: 113 or 2-3 yrs h.s. Russian. (fall) Continuation of Russian language study. Review and continuation of grammar. 1st course of 3-qt intermediate-level sequence.

212 Intermediate Russian (4) (2C)
Prereq: 211 or perm. (winter) Continuation of 211. Extensive reading, writing, listening, and oral practice.

213 Intermediate Russian (4) (2C)
Prereq: 212 or 4-5 yrs h.s. Russian. (spring) Accelerated reading, writing, listening, and oral practice. Completion of 213 fulfills foreign language requirement of College of Arts and Sciences.

298 Independent Study in Russian (1-2, max 6)
Prereq: 213 or perm. Reading and discussion of assigned materials (books, periodicals, films) on specific topics involving Russian language. Does not count toward minor. Does not satisfy language requirement.
425 19th-Century Spanish Literature (1800–1850) (4)
Prereq: 2 of 345, 354, 355, 356. Romanticism, costumbrismo, and other movements in drama, essay, and poetry.

427 19th-Century Spanish Literature (1850–1900) (4)
Prereq: 2 of 345, 354, 355, 356. Evolution of the novel in 19th-century Spain, including novels selected from the work of the following: Valera, Pereda, Galdos, Alas, Pardo Bazan, Blasco Ibáñez.

429 Generation of ’98 (4)
Prereq: 2 of 345, 354, 355, 356. Representative works by early 20th-century Spanish writers, including at least some of the following: Azorín, Baroja, Valle-Inclán, A. Machado, Perez de Ayala, Ortega y Gasset, and Juan Ramon Jimenez.

432 20th Century Spanish Literature (4)
Prereq: 2 of 345, 354, 355, 356. Study of Spanish literature of various genres since 1925. The course may highlight the poetic generation of 1927, contemporary poetry or theater, or the novel of the democratic period.

435 Proseminar (1–4, max 12)
Prereq: perm. Subject will vary. May be repeated when subject changes.

437 Applied Phonetics (4)
Prereq: 343 or perm. Systematic description of the sound system of Spanish.

438 Hispanic Dialectology and Sociolinguistics (4)
Prereq: 343 or perm. Overview of major dialects of the Hispanic world and exploration of the sources of dialectal variation, e.g. age-based, gender-related and socio-cultural, among others. Readings, lectures, class presentations, and discussions.

439 Modern Spanish Usage (4)
Prereq: 343 or perm. The grammatical structure of modern Spanish.

440 Teaching Spanish: Theory and Methodology (4)
Prereq: 343. This course provides an introduction to the philosophical and theoretical orientation of the teaching of Spanish language and cultures; an introduction to issues in second-language-acquisition research, with a focus on Spanish; and opportunities to develop professional and instructional materials. Does not count toward major.

441 Stylistics (4)
Prereq: 343. Analysis of literary styles and study of techniques used to acquire correct style in writing Spanish.

443 Survey of Spanish American Literature (4)
Prereq: 2 of 345, 354, 355, 356. Main movements of Spanish American literature from colonial period through Modernismo.

444 Survey of Spanish American Literature (6)

447 Themes from Spanish American Prose (4)
Prereq: 2 of 345, 354, 355, 356.

448 Contemporary Spanish American Literature (4)
Prereq: 2 of 345, 354, 355, 356.

450 History of Art in Spain (1500-present) (4)
Prereq: 2 of 345, 354, 355, 356. Survey of major artists and artistic movements in Spain from 1500 to the present; study of artistic patronage and history of Spanish museums.

453 Drama of the Golden Age (4)

454 Golden Age Poetry (4)
Prereq: 2 of 345, 354, 355, 356. Works by Garcilaso de la Vega, San Juan de la Cruz, Luis de Leon, Lope de Vega, Luis de Gongora, Francisco de Quevedo, and related poets.

455 Novel of the Golden Age (4)
Prereq: 2 of 345, 354, 355, 356. Picarros novel, Cervantes’ Novelas Ejemplares, and other examples of the novel from this period.

458 Don Quixote de la Mancha (4)

498 Independent Study in Spanish (1–2, max 4)
Prereq: 8 credits at 300 level or perm. Directed individual readings, discussion, and reports in language at advanced level. Does not count toward 400-level humanities required for major. Maximum of two credits may count toward minor.

Swahili (African) (SWAH)

111 Elementary Swahili (4)
(fall) Beginning course of 3-9r 1st-yr sequence.

112 Elementary Swahili (4)
Prereq: 111 or equiv. (winter) Continuation of 111.

113 Elementary Swahili (4)
Prereq: 112 or equiv. (spring) Continuation of 112.

211 Intermediate Swahili (4) (2C)
Prereq: 113 or equiv. (fall) 1st course of 3-9r intermediate-level sequence.

212 Intermediate Swahili (4) (2C)
Prereq: 211 or equiv. (winter) Continuation of 211.

213 Intermediate Swahili (4) (2C)
Prereq: 212 or equiv. (spring) Continuation of 212.

311 Advanced Swahili (4)
Prereq: 213 or equiv. (fall) Beginning of advanced-level sequence.

312 Advanced Swahili (4)
Prereq: 311 or equiv. (winter) Continuation of 311.

313 Advanced Swahili (4)
Prereq: 312 or equiv. (spring) Continuation of 312.

399 Special Studies in Swahili (1–3)
Prereq: perm. Reading and discussion of assigned arrangements in books, periodicals, and tapes on specific topics related to Swahili language and East Africa culture.

French
See Foreign Languages and Literatures.

Geography (GEOG)

101 Physical Geography (5) (2N)
Systematic survey of temperature, precipitation, atmospheric and oceanic circulation, and global systems of climate, soils, natural vegetation, and landforms. 4 lec, one 2-hr lab.

121 Human Geography (4) (2S)
Examination of spatial dimensions of culture, environment; people and resources; human and physical distribution, fertility, and impact of these on the environment and economic resources. Population growth, migration, and community structure in the contemporary landscape. (Cross-listed with BIOS.)

131 Globalization and the Developing World (4) (2C)
Survey of globalization and its impact on development, international relations, and culture in developing countries around the world.

132 World Regional Geography: Industrial World (4) (2S)
Survey of selected geographic themes: development; people and resources; human and physical environments; and cultural patterns in Anglo-America, Western and Eastern Europe, the former U.S.S.R., Japan, and Australia.

201 Environmental Geography (4) (2A)
Geographic survey of environmental changes caused by human activities. Focus on resource availability and use, pollution of air, water, and biosphere, energy problems, interactions of humans with plant and animal communities. 3 lec, one 1-hr discussion section.

202 Introduction to Weather (5) (2N)
Students will gain experience in class and in labs in the analysis of weather maps. There will be particular emphasis on weather phenomena presented in the media (global warming, El Niño).

Data will be downloaded from website sources for use in the classroom and made available to students on the course Web site for study purposes. No credit if 101.

232 Quasi Geography of Ohio (4)
Detailed regional study of physical geography of Ohio and its cultural landscapes, settlement patterns, and economic development.

234 Geography of the United States and Canada (4)
Regional survey of North America including topical treatment of physical and cultural elements and intensive study of small regions.

241 Global Issues in Environmental Geography (4)
Prereq: 201. An inquiry approach to environmental issues of global scope such as human population growth, energy production and consumption, climatic change, deforestation, species depletion, disposal of wastes. Examination of the sustainability of human and natural systems.

268 Introduction to GIS and Mapping Sciences (4)
Introduction to spatial analysis and mapping techniques applied to geographical problems. Emphasis on acquiring basic skills using geographic information systems.

271 Introduction to Statistics in Geography (4)
Prereq: 268 or equiv. Introduction to application of statistics in geography. Includes descriptive statistics, descriptive spatial statistics, normal, binomial and binomial probabilities, hypothesis testing, and inferential statistics through linear regression.

302 Meteorology (5)
Prereq: 213 or equiv. General survey of meteorology, with emphasis on physical principles explaining weather change. 4 lec; one 2-hr, Web-based lab. Credit not allowed for both 302 and 301.

303 Climatology (5)
Prereq: 302. Exchanges of energy and moisture and their significance to human utilization of the earth’s surface. 4 lec; one 2-hr, lab-based lab.

304 Observations in Meteorology and Forecasting (2, max 4)
Prereq: 302. Lab experience in acquisition, measurement, and interpretation of meteorological parameters.

305 Practicum in Meteorological Forecasting (2)
Prereq: 304. Lab experience in preparation and dissemination of meteorological forecasts.

315 Landforms and Landscapes (5)
Prereq: 101 or GEOL 101. A topical approach to the study of landforms and landforming processes as fundamental elements of the physical environment. Includes landforms created by tectonics, volcanism, gravity, streams, glaciers, waves, and the wind. 4 lec, one 1-hr lab.

316 Biogeography (4)
Prereq: 101. An examination of the historical, environmental, and biotic influences that shape spatial patterns of plant and animal distributions and community structure in the contemporary landscape. (Cross-listed with BIOS.)

320 American Ethnic Geography (4)
Prereq: 121. Systematic and thematic survey of spatial and cultural patterns associated with ethnic and racial groups (e.g. African-Americans, Latinos). Emphasis on historical and spatial patterns of immigration, the experience of ethnic groups in American plural society, and ethnic contributions to American life.

321 Population Geography (4)
Prereq: jr and 8 hrs GEOG. Survey of global population concerns including historic and contemporary patterns of population growth, distribution, fertility, and impact of these on the environment and economic resources. Population policies and trends in international migration are examined, as well as feminist/queer critiques of population as a development problem.

322 Settlement Geography (4)
Prereq: jr and 8 hrs GEOG. Survey of American rural settlement and its European antecedents. Emphasis on the evolution and regional variation in property, field, fence, and road patterns on farmsteads and in small towns.
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Courses / Geography

325 Political Geography (4)
Prereq: 121 or perm. Systematic examination of basic approaches, historical development, special problems, and spatial concepts in political geography. Case studies emphasize nation-state.

326 Urban Geography (4)
Prereq: jr and 8 hrs GEOG. Geographic analysis of cities and their environment. Examines spatial patterns of cities and factors that lead to growth, decline, and change in urban areas. Introduces models of land use, transportation, population distribution, ethnic patterns, segregation, employment, urban economies, and housing. Studies impacts of public policy changes and shifting social attitudes on spatial structure of cities, urban life, and city management.

327A Social Geographies (4)
Geographic analysis of social relations, social identities, and social inequalities. Examines the geography of social justice from the perspective of distinct groups (including race, class, gender, sexuality) and as it relates to various geographic themes, particularly concerning the environment, urban geography, and employment.

329 World Economic Geography (4)
Prereq: 121 or ECON 103. Survey of the capitalist world economy, the rise of core economies, and the role played by religion in American life.

330 Geography of Western Europe (4)
Prereq: jr and 8 hrs GEOG. Topical survey of Europe with emphasis on the geographic and cultural historical factors that influenced landscape and regional patterns in the past and today.

331 Geography of Africa (4)
Prereq: jr and 8 hrs GEOG. Systematic examination of four themes in African geography with special emphasis on problems of development.

332 Appalachia: Land and People (4)
Prereq: one course in GEOG. Topical and regional survey of Appalachia with emphasis on settlement, economic and political factors, and the impacts of natural resource extraction.

334 Historical Geography of the United States (4)
Prereq: 121 or HIST 211. Systematic and regional survey of past human geographies of the United States from 1450 until the present. Focus on the development of regional identity over time and space, and manifestations of regional identity in the cultural landscape.

335 Geography of Latin America (4)
Prereq: jr and 8 hrs GEOG. Regional survey of Latin America focusing on biophysical systems, rural development, population/migration, cultural geography, and economic development.

336 Geography of Religious Space and Place
Prereq: jr. Systematic and regional survey of religious cultural landscapes of the world in a comparative perspective. Emphasis on religion as a cornerstone of culture and its manifestations in the cultural landscape. Focus on sacred space and place, pilgrimage, and holy sites in selected religious belief systems.

337 Geography of Religion in the United States (4)
Prereq: jr. Regional and systematic survey of religious belief systems in the United States. Emphasis on the analysis of the development of religious cultural patterns over time and space and the role played by religion in American life. Focus is on selected regional and local manifestations of religious beliefs in the American cultural landscape.

338 Geography of Southeast Asia (4)
Prereq: jr and 8 hrs GEOG. Survey of physical geography, natural resources, population, food production, urbanism, and energy within selected regions.

344 Agricultural Ecosystems (4)

350 Land Use Planning (4)
Prereq: jr and 8 hrs GEOG. Survey of land use issues including mapping, ownership, legal issues, zoning, comprehensive planning, subdivision regulations, “takings,” and habitat-conservation planning. Many practical applications are included in the course.

352 Environmental Planning (4)
Prereq: jr and 8 hrs GEOG. An introduction to the development, implementation, and operation of activities to guide sustainable development. Emphasis is on interaction between natural and social systems, methods of environmental analysis, and the evolution of environmental planning strategies.

357 Environmental Law (4)
Prereq: Jr. Legal aspects of both individual environmental and societal environmental risk and duties of private property, nuisance, negligence, statutes, regulatory agencies, and court decisions. Emphasis on case study of federal, state, and local laws which shaped existing law and those which are likely to shape future legislative and administrative action.

358 Environmental Risk Assessment (4)
Prereq: JR. Concepts of risk assessment and environmental systems. Emphasis on the concepts, problems, and methods that guide the identification and assessment of environmental risk with emphasis on natural hazards and the probability of such events occurring.

360 Cartography I (5)
Introduction to digital cartographic design and cartographic visual interpretation. Theory and practice of map design developed in weekly lab exercises. 3 lec, one 2-hr lab.

361 Cartography II (5)
Prereq: 360. Application of fundamentals of cartographic visualization to the design of thematic maps. 3 lec, one 2-hr lab.

365 Air Photo Interpretation (4)
Prereq: Jr. Principles, techniques, and practice in visual interpretation of air photographic and remote sensing imagery. For geographers, geologists, military, and planners, resource managers, engineers. 3 lec, 2 lab.

406 Introduction to Synoptic Meteorology (5)
Prereq: 305. The construction and analysis of meteorological models used in the prediction of meteorological phenomena.

407 Advanced Synoptic Meteorology (5)

411 Advanced Physical Geography (4)
Prereq: 101. Application of physical geographic principles to a specific advanced research theme.

417 Landscape Ecology (4)
Prereq: Jr., 101 or permission. Explores the reciprocal relationships between pattern and process; how pattern is created on the landscape, and implications of spatial pattern on populations, communities, and ecosystems. Examines the role of humans in influencing landscape pattern and change.

418 Research Methods in Plant Biogeography (4)
Prereq: 316 or permission. Emphasis on the use of computers in quantitative techniques. Emphasis on the use of statistical methods in analysis of biogeographical data. Laboratory exercises will be used to illustrate the use of statistical methods in geographic studies.

420 Environmental Impact Analysis (4)
Prereq: Jr. and 8 hrs GEOG. Introduction to the principles of environmental impact analysis and the techniques used to evaluate the potential effects of human activities on the environment. Emphasis on the identification and evaluation of environmental impacts and development of alternatives.
Introduction to Geology (5) (2N)
Nature and distribution of earth materials and their utilization as natural resources; discussion of earth structure, minerals, rocks, mountain building, and continental drift; development of landscapes. 4 lec, 2 lab. Not open to students who have had 283.

The Mobile Earth (4) (2N)
An examination of the earth’s dynamic systems including continental drift, sea-floor spreading, mountain building, volcanic activity, and earthquakes, and their explanation in terms of plate tectonic theory. Intended for both science and non-science majors seeking a non-technical overview of plate tectonics. 4 lec.

Geology of the National Parks (4) (2N)
Survey of the geologic features of the national parks of the United States, emphasizing the history of their geologic development. 4 lec.

Metal, Stone, Energy, and Society (4) (2A)
D. Kidder. Survey of a broad array of Earth resources with the goal of examining the need for these resources on society. The influence of plate tectonic processes and Earth’s evolution on resource distribution will be considered. The manner in which technological changes in mineral processing are altering recycling rates and fostering closer connections between industries, the environment, and society will be explored.

Introductory Geology Lab (1) (2N)
Prereq: 101 or 202 (spring) M. Stoeert. Elementary statistics applied to geologic data. Use of statistical software, spreadsheets, and tools for geologic data analysis (e.g., Rose and Stiff diagrams). Labs will use data sets from branches of geology including hydrology, sedimentology, geophysics, structural geology, and paleontology. 1 lec, 2 lab.

Introductory Oceanography (4) (2N)
D. Kidder. Survey of physical, chemical, biological, and geological aspects of oceanography. 4 lec.

Environmental Geology (4) (2A)
Survey of geological aspects of environmental crises. Focus on major environmental processes, immediate and extended influence of humans, and prospects for future of physical environment. Prerequisite: background in sciences. 4 lec.

Earth and Life History (4) (2N)
A nontectonic survey exploring the 4.5 billion year history of the interaction between life and the environment. Topics include the origin of the earth, the origin and development of life, the origin and evolution of the continents, the history of the atmosphere, the major biogeographic extinctions, and the impact of human evolution.

Water and Pollution (4) (2A)
The interrelationship between geologic and hydrologic processes, and technology as they relate to the use of water resources and the environmental problems associated with its pollution.

Historical Geology (4)
Prereq: 101 or 202. (winter) D. Kidder. An introduction to the geologic history of the Earth, emphasizing the tectonic, stratigraphic, and climatic history of the planet. 4 lec, 2 lab.

World Mineral Resources (3)
Prereq: soph. Major deposits of metal, nonmetallic, and fuel resources which form backbone of modern industry. Economics and basic geologic controls of mineral production reviewed. 3 lec with demonstrations. Not open to geology majors.

Geology for Engineers (4) (fall) G. Springer. Geologic principles applied to engineering projects and materials. 3 lec, 2 lab. Not open to students who have had 101.

Earth Materials and Resources (5)
Prereq: 101 or 202, CHEM 122 or 152, nonmajors only. G. Heen. An introduction to minerals and rocks, emphasizing common varieties and those important as mineral resources. 3 lec, 4 lab.

Mineralogy (5)
Prereq: 101 or 202, CHEM 122 or 152. (fall) G. Heen. Crystallography, crystal chemistry, and mineralogy, emphasizing mineral identification and formation and association of minerals in different geologic settings. 4 lec, 1 lab.

Potrology (4)
Prereq: 315. D. Schneider. Characteristics and origin of igneous, sedimentary, and metamorphic rocks and their identification in hand specimens. 2 lec, 4 lab.

Principles of Geomorphology (5)
Prereq: 101 or 202. G. Springer. (spring) Basic concepts of origin and development of landforms. Lab study of topographic maps and aerial photographs. 4 lec, 2 lab.

Principles of Invertebrate Paleontology (4)
Prereq: 101 or 202, 255. (fall), A. Stiggall. Invertebrate fossils emphasizing theory of their study, morphology, classification, and biologic relationships. 3 lec, 1 lab.

Stratigraphy-Sedimentology (4)
Prereq: 255 or concurrent, 320. (spring) G. Nadow. Introduction to principles of stratigraphy and sedimentation. Interpretation of depositional environments and their relation to plate tectonic setting. 3 lec, 2 lab.

Structural Geology (5)

Solid Earth Geophysics (4)
Prereq: 101 or 202. J. Libarkin. Geophysical methods used to study the Earth, as applied to plate tectonics, seismology, gravity, magnetics, and isostasy.

Modeling and Computational Methods in Geology (5)
Prereq: CS 220 or 230, MATH 163B or 263B, GEOL 205 or MATH 250. (spring) D. Lopez. Applied computer-based mathematical methods in geologic and geophysical sciences. Basic geometric-statistical concepts. Data analysis, conceptual models, and hypothesis testing in geologic problems. Mathematical simulation of geologic processes and analysis of solutions. Programming exercises in Fortran and use of software to model processes in hydrogeology, geochemistry, and other fields of geology. 4 lec, 2 lab.

Petrography (5)
Prereq: 320, 350, or concurrent, (spring) D. Schneider. Petrogenesis of igneous, metamorphic, and sedimentary rocks and their identification via microscopic analysis of thin sections. 3 lec, 4 lab.

Water Geochemistry (4)
Prereq: 101 or 202, CHEM 122 or 153. D. Lopez. (fall) Geochemical origin of major ions in natural waters and the role of fluid-mineral interactions in the evolution of sediments, the ocean, and the atmosphere. Major geochemical cycles. Introduction to thermal equilibria, kinetics, complexation, oxidation-reduction, and cation exchange. Case studies of important geochemical and environmental processes. 3 lec, 2 lab.

Physical Geochemistry (4)
Prereq: 427. D. Lopez. (winter, alt.) Basic principles of physical chemistry for hydrogeology, geophysics, and geologic applications. Topics include adsorption and desorption reactions, chemistry of sulphur and iron, isotopes, radioactivity, transport mechanisms of chemical species, and origin, formation, and migration of oil. 3 lec, 2 lab.

Contaminant Geochemistry (4)
Prereq: 427. D. Lopez. The main purpose of this course is to provide students with knowledge of the chemical principles and processes involved in the generation and movement of contaminants. It will give students an understanding of the sources, fate, and chemical behavior of some of the most important classes of chemical pollutants. 4 lec.

Origin and Classification of Soils (4)
Prereq: 330, G. Springer. Consideration of concept of soil and factors of soil formation, introduction to soil morphology and genesis, evolution, discussion of major soil groups of world and soils of Ohio. 3 lec, 2 lab, field work.

Fluvial Geomorphology (4)
Prereq: 330 or GEOG 315. G. Springer. Study of stream processes and human interactions with rivers, including the qualitative and quantitative techniques used to study natural and disturbed streams as presented in lecture and field settings. 4 lec.

Advanced Invertebrate Paleontology (5)
Prereq: 340. (winter) A. Stiggall. Detailed topics may include paleobiogeography, macroevolutionary theory, phylogenetic theory and methods, and other advanced paleontologic methods. 3 lec, 2 lab.

Earth Systems Evolution (4)
Prereq: 312 or 350; PHYS 201 or 251. (winter) T. Worsley. Synthesis of the coupled histories of the earth’s interior, surface, and life. 3 lec, 2 lab.

Paleoecology (4)
Prereq: 340, A. Stiggall. Examination of concepts of the relationship of organisms with their environment that can be effectively studied within the fossil record. Topics include competition, predation, ecological convergence, community paleoecology, and relationships to macroevolution. This course will be divided between lectures and discussions of current paleoecologic literature.

Diaspore (4)
Prereq: 428, D. Kidder. Critical view of diagenetic principles using numerous examples. Many topics are selected from recent journal articles. Students read, present, and discuss current literature, as well as writing a term paper. 4 lec.

Depositional Environments (4)
Prereq: 350, D. Kidder. Advanced coverage of depositional processes and environments. Latter part of course focuses on global sedimentation and events. Students read, present, and discuss current literature, as well as writing a term paper. 4 lec.

Physical Limnology (4)
Prereq: 101 or CHEM 123 or 153. (fall) E. Gierlowski-Kordesch. Physical processes and processes in lake environments, including temperature, light, heat, oxygen, alkalinity, and dissolved ions. Labs include outdoor sampling and measurements. 3 lec, 2 lab.

Carbonate Depositional Systems I (3)
Prereq: 350 or perm. (winter) A. Stiggall. Study of carbonate rocks in the modern and geologic record, including patterns and processes of sedimentation and diagenesis as well as depositional models. Lectures, labs, and field trips.

Carbonate Depositional Systems II (2)
Prereq: 454 (spring) A. Stiggall. Study of Modern and Pleistocene carbonate sediments and depositional environments of the Bahamas. Week-long field trip during spring break with a post-field project.

Petroleum Geology (4)
Prereq: 360 or concurrent, (spring) G. Nadow. Course is designed for geology students at the senior undergraduate and graduate level. It will provide students with an understanding of the basic concepts and processes that govern the a) generation, migration, and trapping of hydrocarbon resources, and b) the fundamentals of exploration for, and exploitation of, these resources. 3 lec, 2 lab.

Fluvial Sedimentology (4)
Prereq: 350, (fall) G. Springer. Provides students with an understanding of how to interpret the depositional environment of sedimentary rocks deposited by rivers, and the large-scale factors that control the formation and preservation of these deposits.

Regional Tectonics (4)
Prereq: 360, (spring) D. Nance. Global tectonics and structure of continental cratons and margins, mid-ocean ridges, island arcs, and major orogenic belts. 4 lec.

Geodynamics: The Earth’s Interior (4)
Prereq: 312 or 320. (spring) D. Green. Solid earth geophysics (gravity, magnetic, seismicity, heat...
Courses / Geological Sciences

467 Tectonophysics (4)

471 Advanced Environmental Geology (4)
Prereq: 101 or 202, CHEM 123 or 153. (fall) D. Lopez. Covers the conceptual basis for understanding transport and reaction processes that govern change in many environmental systems. Emphasizes processes occurring at the three major environmental interfaces: air and water, water and the adjoining earth material, and air and soil. Includes chemical and thermal equilibrium, chemical transport, and transport and transfer of energy across the interfaces. 4 lec.

473 Forensic Geoscience (4)
Prereq: 350 or CHEM 433 or BIO 364 or ANTH 447. N. Dodon. Introduction to forensic geologic, geophysical, and geochronologic techniques employed by forensic investigators. For majors in chemistry, biology, anthropology as well as geology.

475A Field Geology I (4)
Prereq: 360. (fall) D. Schneider, G. Nadon, D. Nance. Introduction to field mapping techniques based on projects in the Appalachian region. This course, only in combination with GEO 475B (Field Geology II), satisfies the field camp requirement.

475B Field Geology II: Death Valley (5)
Prereq: 475A. (winter intersession) D. Schneider, G. Nadon, D. Nance. Application of field and mapping techniques learned in GEOL 475A, based on projects in the Death Valley region. This course, only in combination with GEO 475A (Field Geology I), satisfies the field camp requirement.

476 Subsurface Methods (4)
Prereq: PHYS 202 or 253. (winter) G. Nadon. Resumes of drilling, sampling, and logging by electric, radioactivity, temperature, and neutron methods applied to petroleum exploration, water, and engineering projects. 3 lec, 2 lab.

480 Principles of Hydrogeology (4)
Prereq: 101 or 202, or 263, MATH 163B or 263B, PHYS 202 or 253. (fall) M. Stortez. Principles governing occurrence, movement, and recovery of water in soil and aquifers. Hydrologic cycle, water budget, hydrology of an aquifer, water resources, water chemistry, and pollution. 3 lec, 2 lab.

481 Groundwater Flow Modeling (4)
Prereq: 480. (winter) M. Stortez. Steady and unsteady joint spring analysis; analysis of pumping tests; data; water table design; well development, interfavor of wells, and design of well fields. 3 lec, 2 lab.

482 Transport Processes in Groundwater (4)
Prereq: 481, MATH 340 (spring) D. Lopez. Basic principles and fundamental equations; D.E. of groundwater motion, solution of boundary value problems for different types of aquifers. Analytical and numerical methods in subsurface hydrology with emphasis on finite difference methods. 4 lec.

485 Introduction to Applied Geophysics (4)
Prereq: PHYS 202 or 253. (fall) D. Green. Introduc- tion to the use of airborne and ground geophysical methods. Includes seismic, gravity, magnetic, electrical, and electromagnetic techniques. 3 lec, 2 lab.

486 Applied Seismology (4)
Prereq: 485. (spring) D. Green. Field methods and analysis techniques for seismic characterization of tectonic and sedimentary basins. Survey of applied geophysical methods including seismic, gravity, magnetic, electrical, and electromagnetic techniques. 3 lec, 2 lab.

488 Paleomagnetism (4)
Prereq: 101 or 202, 315. J. Libarkin. Fundamental principles of paleomagnetism and its applications. Topics include its physical and chemical basis and measurement as well as the origin of remanent magnetization.

489 Advanced Topics in Hydrogeology (1–4)
Prereq: 480, perm. M. Stortez, D. Lopez. In- depth study of an advanced or current topic in hydrogeology, exploring (but not limited to) such areas as karst hydrogeology, fracture-flow hydrology, mine hydrogeology, geothermal aquifers, and inverse modeling. Consult instructor for topics.

490 Seminar in Geology (1–2)
Prereq. perm. Several seminars on specific topics in geological sciences will be offered yearly, it is recommended that all majors participate in at least one seminar.

491 Geologic Studies (1–6, max 12)
Prereq. perm. Staff. Individual or small group independent study supervised by a faculty member.

492 Internship (1–15)
Prereq. perm. Provides qualified students with the opportunity to receive credit for work experience directly related to their major or planned career. Supervised by geological sciences faculty and evaluated by an on-the-job supervisor. A report detailing the internship activities is required before credit is awarded.

495 Senior Thesis (1–5)
Prereq. perm. Independent research project requiring departmental approval of thesis proposal before registering. Required for departmental honors program.

German
See Foreign Languages and Literatures.

Gerontology
Undergraduate Certificate
The Colleges of Health and Human Services and Arts and Sciences cooperate to issue a Gerontology Certificate Program for students who desire to supplement their undergraduate curriculum with a career in gerontology. Traditional aging-related content, and the global impact of aging are linked with program initiatives that enable students to appreciate how this growing population affects their own area of study. Health care, social services, recreation, mental health, education, administration, and business are examples of service areas that now employ large numbers of persons working with and for the aging population. This program is open to any undergraduate student in the University. See the College of Health and Human Services section.

Global Leadership Center (GLC)
100 The Global Experience (1)
Prereq: Fr or soph. To raise the awareness of a broad range of global issues from an interdisciplinary perspective. To use a problem-based format to address these issues. To foster contacts between American and international students in order to learn about other countries and cultures. To encourage teamwork and collaboration among students and faculty from different disciplines—both face to face and by using Intranet communication software.

201 Global Leadership Center Introductory Project (3)
Introduction to project-based learning. Team research and analysis of global issues, with an emphasis on business, communication, and international relations. Perform country, industry, and company analyses; recommend options and solutions; and write a grant proposal for a communication campaign to address these needs. Dual registered.

202 Business and Communication in International Organizations (3)
Prereq: soph. (fall and two weeks of winter intersession) Two-stage project focusing on issues and challenges within international organizations and nongovernmental organizations in transitional societies. In stage one, teams undertake a country analysis and develop a communication campaign to promote the country to a global media audience. In stage two, work continues in bi-national teams on projects for companies or organizations. Two weeks of winter intersession are spent overseas (Hunan, China; Egypt; Mexico; India; China; etc.) Sample projects: How can Hungary tell its story through the global media? What story can Ecuador tell through the global media? What are the economic goals? How can Brazil tell its story through the media? How can a Bangalore enterprise tell its story through the media?

203 Building Cross-National Alliances (4)
Prereq: 201, 202. (winter) Understanding barriers and opportunities in countries and regions at various stages of development and the significance of cross-national alliances. Team research and analysis of global ventures in various fields, accounting for relevant political, social, and economic factors. Sample projects: Investigate potential market for the satellite communications service in China, Australia, Italy, Japan, Brazil, and Kuwait. Building institutional partnerships for a university in Beijing. Students in Argentina, Ghana, Morocco, and Turkey. World Music and Social Change.

204 Communication and Development (4)
Prereq: 201, 202. (winter) Research and analysis of how communication can be used to promote development in such areas as agriculture, education, public health, the environment, nation-building, and political and social democracy. Examines changing definitions of development and places emphasis on understanding the historical, social, economic, and political circumstances that impact development and communication strategies used to promote development. Sample projects: Research development needs in a specific country and write a grant proposal for a communication campaign to address these needs.

205 Global Leadership Conference (2)
Prereq: 203, 204. (spring) Teams plan a conference on global issues in business and communication. Selection of a conference theme and topics from proposals submitted by teams. Teams assigned specific planning tasks, such as panels and speakers, budget and funding, logistics and publicity.

301 Global Economic Trends and Strategic Alliances (4)
Prereq: 205 or perm. (fall) Focuses on how strategic alliances are shaping and changing economic and political relations among the countries of the world, and the impact of such changes on society and culture. Research the development of bilateral trade relations, regional economic groups, and the growth and interdependency of global financial markets. Analysis of how such economic alliances are reflected in geopolitics and international diplomacy, and in cooperative initiatives in such areas as natural resources, space exploration, education, and sports. Sample project: research global mergers, joint ventures, and alliances in the airline, automotive, and telecommunications industries.

302 Global Competition and Industry Trends (4)
Prereq: 301 or perm. (winter) Understanding international trade and global industry structures by comparing and contrasting joint ventures, mergers, acquisitons. Comparison of markets and industries to determine the advantages and disadvantages of global and cross-industry expansion, and assessment of strategies for entry into new markets or new industries.

303 Starting a New Venture/Initiative (4)
Prereq: 202 or perm. (spring and summer) Grant and launch of a new venture or initiative for a national, regional, or global market or audience. Broadly defined to include commercial profit-making, not-for-profit initiatives, in education, or social and economic development. Identification of target market/audience; competition or environmental assessment; preparation of a business plan with detailed financial information, marketing strategy, and a management of human resources and training needs.

400 International Internship (0-6)
International internship that allows students to apply the knowledge and skills obtained in two years of project-based learning on global issues. Taken after sophomore year, with faculty approval, during summer, spring, or fall quarters. Written report and oral presentation on internship experiences to sophomore and junior GLC students upon return.
Government
See Political Science.

Greek
See Foreign Languages and Literatures.

Hazardous Materials Technology (HMT)
The following courses for the A.A.S. in hazardous materials technology are available only on the Chillootho campus:

110 Hazardous Materials Regulations I (4)  
Addressee: Regulations that pertain to environmental law and liabilities associated with handling hazardous materials. Topics include the basics of environmental law, liability and enforcement, Resource Conservation and Recovery Act (RCRA), the Resource Conservation and Recovery Act (RCRA), and the Clean Air Act. Current events will be discussed and analyzed.

120 Hazard Communication Standard (3)  
Emphasis on hazard communication programs, their development and implementation, and the importance of hazardous materials handling and minimized waste generation will be covered.

130 Industrial Processes (3)  
Topics include Material Safety Data Sheets (MSDS), written programs, employee training, and labels and handling.

140 Hazardous Materials Regulations II (4)  
Addressee: Hazardous materials handling and minimized waste generation will be covered.

150 Emergency Response I (3)  
Emphasis will be placed on emergency response contingency planning for a facility. Includes analyzing hazards, writing and implementing contingency plans, and training employees for an emergency, and evaluation of the contingency plan. Emergency operations are also explored, with emphasis on exercises incorporating drum handling, instrumentation surveying, decommissioning procedures, personal protective, environmental and medical equipment.

200 Hazardous Materials Recovery, Incineration, and Disposal (4)  
Prereq: EVT 100. Directed toward the recovery, incineration, and disposal of hazardous waste. Topics include the contracting of qualified disposal organizations, obtaining permits, and ensuring compliance of hazardous waste. On- and off-site treatment technology as well as chemical and physical characteristics of hazardous materials and waste are discussed. Environmental impacts on air, water, and land are explored. Some air dispersion modeling is included.

210 Hazardous Materials Regulations III (4)  
Prereq: 100. Final course in the regulation series; addresses the Toxic Substances Control Act (TSCA), asbestos regulations, pesticides, the Emergency Planning and Community Right-to-Know Act (EPCRA), and the OSHA Act. Case studies, class participation, and reports are emphasized.

220 Hazardous Materials Health Effects (3)  
Prereq: Biol 50. Literature review of health risks related to chemical exposures. A study of risk factors, types of chemical entry, effects on organs, acute and chronic effects, and measures to control exposure.

230 Emergency Response II (3)  
Prereq: 150. Application of emergency response procedures under simulated emergency conditions. Students respond to the emergency, assess the seriousness of the incident, supervise cleanup, and provide information to the public and media. Students successfully completing this course will be certified at the First Responder Awareness Level and Operations Level.

240 Hazardous Materials Testing (4)  
Prereq: 200. Development of an effective field sampling program for hazardous materials. Includes proper sampling procedures, use of hazardous materials testing equipment, and chemical analysis of hazardous waste samples. Students will become proficient in the use of sampling equipment as portable and laboratory-based qualitative and quantitative analytical apparatus used in routine and emergency situations.

289 Special Topics (1-5)  
Prereq: 100. HMT advisor perm. Special topics in hazardous materials. Areas include OSHA’s 40-Hour Compliance Training, instrumentation, internships, co-ops, and special studies.

Health and Human Services (HS)

102 HCOP Six-Week Skill Enrichment (5)  
Prereq: HCOP. Six-week prematriculation program for entering minority freshmen majoring in selected health-related programs. Skill enrichment in math, biology, composition, computer word processing, and study techniques through lecture and lab experiences. Clinical visits and observations at various health care facilities provide students with exposure to allied health professions.

491 Special Topics in Gerontology (1-4; maximum credit from all enrollments is 8)  
Prereq: jr. Examination of various contemporary trends and issues in the study of geriatrics. Draws upon current literature and research for in-depth consideration of special topics in gerontology.

Health Sciences

Environmental Health (EH)

260 Introduction to Environmental Health and Safety (4)  
Survey of technical and administrative procedures needed to control the environment, especially as they relate to health effects encountered in daily activities. Emphasis on general ecological environmental protection and environmental degradation, along with safety concepts, practices, and procedures.

275 Environmental and Occupational Health and Safety Regulations (4)  
Overview of the history, development, and current application of major regulations, amendments, and reauthorizations related to the environmental and occupational health and safety regulatory process.

310 Water Supply and Wastewater Environmental Health Practice (3)  
Prereq: CHEM 123 or 153. Examination of processes for the development of water resources, quantity and quality requirements, protective control measures and treatment, collection of wastewaters, and treatment for disposal or reuse. Health implications of water quality management stressed. 3 lec.

312 Solid and Hazardous Waste Management (4)  
Prereq: 260. Problems in and solutions to the storage, collection, and disposal of hazardous and nonhazardous wastes with special emphasis on life cycle analysis and risk assessment. 4 lec.

320 Shelter Environments (4)  
Prereq: 260. Physiological and psychological aspects of exterior and interior environmental concerns. Emphasis on housing standards, building codes, vector control, separate concerns of urban and rural housing, migrant labor housing, mobile home construction, and mobile home park design. 4 lec.

330 Food Quality Control (4)  
Prereq: 260, BIOS 221, 222. Emphasizes the topics of foodborne diseases and regulatory programs related to sanitary inspection and control of food service and processing systems. 3 lec, 2 lab.

425 Environmental Health and Safety Risk Communication (4)  
Prereq: 260. Hands-on application of principles in communicating environmental health and safety risks to the public. Students will work with current environmental health and safety issues to develop and implement risk communication plans. 4 lec.

430 Vector Control and Pesticide Use (3)  
Prereq: 260. Vectors responsible for rodent- and arthropod-borne diseases of medical and veterinary importance with special emphasis on human health and welfare implications. 3 lec.

435 Environmental Health Sciences Laboratory (2)  
Prereq: 260, (310 or 430 or 440), (II 200). Hands-on activities and exercises in environmental health practices. Topics include food safety, air pollution, environmental health, vector control, waste management. Designed for students who will pursue careers in environmental health and safety. 6 lab.

440 Air Quality and Pollution Control (3)  
Prereq: CHEM 123 or 153. Evaluation and monitoring air quality; effects of pollution control and air procedures in air quality investigation. Special emphasis on pollution control effects on human health and welfare. 3 lec.

450 Institutional Environmental Health Practice (4)  
Prereq: 260. Emphasis on the institutional aspects of health as they relate to disease prevention and control within hospitals, nursing homes, day care centers, schools, and correctional facilities. 4 lec.

455 Recreational Environmental Health Practice (4)  
Prereq: 260. Broad view of all major aspects that should be considered in the planning, construction, operation, and recreational environments as they relate to proper environmental health protection. 4 lec.

457 Occupational Safety and Health Administration (4)  
Prereq: 260. Provides knowledge and understanding of processes involved in design and implementation of environmental health and safety programs. Focus on design, implementation, maintenance, and evaluation of workplace safety programs, with emphasis on inspection programs, planning, administration, and communication. 4 lec.

464 Environmental Health Practicum (1-15)  
Prereq: jr. or sr., perm. Major supervised learning experience in an approved clinical environmental health facility designed to provide the student with practical comprehensive opportunities in environmental health to enhance and complement required classes.

490 Independent Study (1-5)  
Prereq: major and perm.

491 Environmental Health/Industrial Hygiene Professional Topics Seminar I (4)  
Prereq: 260, jr. or sr. Provides a forum for students interested in environmental health, safety, and industrial hygiene to express their views on current topics in the profession. Instructors will facilitate reviews of current research, emerging interest topics, graduate education, the job market, and among other topics. 1-4 lec.

Health Sciences (HLTH)

101 Introduction to Health and Human Services Professions (2)  
Course examines various roles of health care professionals in health care delivery system, describes education and training program options, explores opportunities for employment, and introduces medical terminology. Students receive credit (CR), not a letter grade. 2 lec.

105 Preventing Sexual Violence (4)  
Fall, spring. Provides both male and female students with information about sexual violence, its different forms, frequencies, and impact. Students gain an understanding of cultural influ-
ences, offender and survivor characteristics, and support services. Information and skills directed at reducing students' likelihood of being involved in sexually offensive/violent situations. 4 lec.

117 Biotechnology, Disasters, and Health (4) Exploration of biotechnology, disaster, and the implication on individual and public health. Discussion of the global and domestic impacts of biotechnology and disasters and the roles of public health agencies. 4 lec.

202 Introduction to Health and Lifestyle Choices (4) Prereq: fresh or soph. Practices and appreciation of means whereby health of individual and group may be maintained. 4 lec.

203 Foundations in Health Education (4) Examines theories and practice, including terminology, theoretical models, health issues, health organizations, employment opportunities, historical development, ethics, and relationship to the remainder of the medical community. 4 lec.

204 Alcohol, Tobacco, and Other Drugs (4) Presents basic pharmacology and toxicology of common drugs, alcohol, and tobacco and consequences of their abuse. 4 lec.

205 Preventing HIV and STIs (4) Examines the signs and symptoms, methods of transmission, treatment, and prevention of HIV and sexually transmitted infections (STIs). Emphasis on education as a means to reduce the risk of becoming infected. 4 lec.

210 Health of Women (4) The health needs and concerns of women within the physical, mental-emotional, and social dimensions of functioning are examined. Emphasis on women as health care and product consumers. 4 lec.


215 Violence in America (4) Focuses on the etiology and prevention of violence as it occurs in the home, workplace, on American highways, and in personal daily interactions with others. Emphasis placed on gender violence etiology, prevention, and reporting. 4 lec.


225 Long-Term Care Administration I (4) Prereq: MGT 200, (fall) special skills, regulations, and standards that impact long-term care facilities management. Discusses client rights and responsibilities and their implications in managing such facilities. Stresses ethical and moral issues confronting manager. Reviews risk management and strategies for providing safe and comfortable environment. 4 lec.

230 Medical Terminology (2) Prereq: BIOS 103 or BIOS 170. Medical terms associated with body systems, disease processes, laboratory tests, and clinical procedures commonly found in the health care setting. Emphasis on the development of appropriate administrative policies and procedures based on selective disease processes. 2 lec.

270 Family and Consumer Health (4) Covers consumer health issues, health quackery, purchasing health products and services, alternative health care delivery, and long-term care strategies. Regional practices within the U.S. will be discussed. 4 lec.

290 Health Aspects of Aging (4) Theories of aging involving changes in structure and function. Emphasis on normal aging changes, mental changes, mental health, health promotion, and community health. 4 lec.

300 Worksite Health (2) Prereq: jr. Examination of worksite health programs. Guidelines for development of health promotion programs in corporate settings discussed. 2 lec.

316 Human Resource Management and Training in Health Care (4) Introduces students to the management and development of human resources in various health care settings. Examines and analyzes various human resource issues within the unique health care arena. 4 lec.

320 Strategies for Communicating Health Information (4) Prereq: 202, jr. Instruction, principles, and curricula used in preventing health problems at preschool, elementary, middle, and secondary school levels. 4 lec.

325 Long-Term Care Administration II (4) Prereq: 225. (winter) Presents managerial ideologies important to manager of long-term care facilities. Fully develops role of administrator in planning, organizing, directing, controlling, and staffing for services of long-term care facilities within holistic framework for client care. Studies professional relationships and coordinating function of manager. Includes contributions of rehabilitation and recreation services to long-term care. 4 lec.

330 Community Health Epidemiology (4) Prereq: 202, jr. Use of epidemiology by community health providers to prevent health disorders and to plan for meeting the health needs of populations. Special emphasis on morbidity and mortality data in studying acute and chronic disorders 4 lec.

335 Administration of Acute Care Facilities (4) Prereq: jr. (winter, spring) Focuses on the understanding, skill, and ethical issues important to the management, organization, planning, financing, and evaluation of an acute health care facility and its services to patients. Emphasis on the administrator's role in acute health care facility. 4 lec.

340 Contemporary Problems in Health Care Organizations (4) Prereq: jr. (fall, winter) Identifies the major issues in the development and management of a wide range of health care programs and organizations. Provides exercises in the application of management skills necessary to confront the major changes and problems identified. 4 lec.

345 School Health (4) Prereq: jr. Principles, problems, organization, and administration of school health programs, including health services, healthful school environment, health instruction, and school and community relationships. 4 lec.

350 Independent Study (1–5) Prereq: jr. Permits students to select topics of special interest in health sciences. 1–5 lec.

364 Community Health Field Experience (1–5) Prereq: 202, jr. Observation and participation in activities of community health agency or medical facility or program. 1–5 lec.

370U Writing for Health Sciences (4) (1J) Prereq: jr or sr. Designed to improve the technical writing skills of students in health or health-related fields. Writing tasks are designed to provide students with experience in writing within formats and subject areas of their field of study. 4 lec.

390 Community Health (4) Prereq: 202, 204, jr. Institutional frameworks for promoting and maintaining health of people of community, state, and nation. 4 lec.

405 Long-Term Care Administration III (4) Prereq: 325, (spring) Deals with administrative processes in long-term care management. Oriented student to modern information systems and use of data in managing decision action and record keeping. Presents content on building effective public relations, managing volunteer programs, and in supporting client governance. Prepares student to sit for national exams. 4 lec.

406 Alternatives to Traditional Long-Term Care (4) Prereq: 217; 325 or 335. Exposes the student to information about alternative forms of delivery for long-term care. Major thrust directed to assisted living operations and regulations. 4 lec.

410 Health Issues: U.S. Underserved Populations (4) Prereq: jr, 202, 204, 390. In-depth analysis of critical health issues germane to underserved populations in the United States. Emphasis on those groups suffering the most profound consequences of health problems and diseases. 4 lec.

412 International Health Programming (4) Prereq: jr. Addresses diverse, rapidly changing health problems in underdeveloped and industrially advanced countries while exploring roles health professionals. Surveys program interventions and solutions that are available or under development. 4 lec.

418A Instructional Experiences (1–3) Supervised practice in organizing and teaching activities in college. 1–3 lec.

419 Health Education for the Elementary School (4) Prereq: 202. Application of principles of curriculum, organization, motivation, and evaluation of appropriate concepts and practices, and use of teaching methods and resources at elementary school level. 4 lec.

421 Financial Administration of Health Care Facilities (4) Prereq: ACCT 101 or 201, jr. Emphasis on the interpretation and application of accounting and financial concepts of health services with an introduction to strategic financial planning. 4 lec.

422 Reimbursement Payment Systems in Health Care Organizations (4) Prereq: 421, jr. Analysis of payment systems for acute, long-term care, home care, and alternative care systems. By semester, student participation and projected systems will be examined. 4 lec.

464 Community Health Services Practicum (15) Prereq: 264, jr, perm. Participation in activities of official or voluntary public health agency. Supervision of experience to be done by agency personnel and University faculty. 15 lec.

470 Advanced Community Health (4) Prereq: 300, 345, 390. Combines lecture with practical experiences with student using previously learned content to develop, deliver, and evaluate community health programs. Knowledge of assessment, planning, implementation, and evaluation are required. 4 lec.

480 Practicum in Health Services Administration (10) Prereq: perm. Provides a practical field experience in the operational skills necessary to manage a health care organization. The student works under the direct supervision of health care managers and carries out assigned tasks, which may include the direct provision of care, development of programs, maintenance of systems, and analysis of data. 10 lec.

4880 Practicum in Long-Term Health Care Administration (15) Prereq: perm. Provides a practical field experience in the operational skills necessary to manage a long-term health care organization. Students work under the direct supervision of long-term health care managers and carry out assigned tasks, which may include the direct provision of care, development programs, maintenance of systems, and management of data. 15 lec.

481 Internship in Health Administration (15) Prereq: perm, completion of coursework. Provides an administrative/programmatic experience where students complete supervised projects, plans, and other administrative tasks under the joint supervision of a health care facility administrator and a University faculty member. 15 lec.

482 Internship in Long-Term Health Care Administration (15) Prereq: perm, completion of coursework. Provides an administrative/programmatic experience where students complete supervised projects, plans, and other administrative tasks under the joint supervision of a long-term health care facility administrator and a University faculty member. 15 lec.

489 Community Health Planning and Administration (4) Prereq: jr. Effective planning and management techniques germane to community health care settings in regard to approaching and addressing health problems. Emphasis placed on assessing health needs, relating those needs to particular population groups, analysis of the economics involved, program recommendations, as well as program implementation. 4 lec.
490 Independent Study (1–5)
Prereq: jr or sr, perm. Allows for special study of topics of interest to students of health care programming and administration.

491A–F Special Topics Workshops (1–3)
Prereq: perm. (A) focuses on administrative practices and issues; (B) focuses on environmental and occupational safety and health; (C) focuses on legal aspects; (D) focuses on client-centered care programs; (E) focuses on team-building and interpersonal relationship skills; and (F) focuses on intercommunity relationships and consortia arrangements.

200 Introduction to Industrial Hygiene and Occupational Safety and Health (4)
Introduction to occupational safety and health and industrial hygiene including historical developments, health and safety program concepts, social and legislative requirements, professional relationships, and general introduction to concepts of anatomy, physiology, evaluation, and control of exposures. 4 lec.

205 Industrial Hygiene Sampling and Analysis (5)
Prereq: 200. Lectures and lab to introduce field sampling and lab instrumentation and analytical methods common to industrial hygiene. Students required to do field readings, analyze data, and prepare appropriate reports. 3 lec, 3 lab.

401 Toxicological Effects of Hazardous Materials (4)
Prereq: 200. Basic toxicology of hazardous dusts, fumes, vapors, gases, and liquids found in the workplace. Techniques necessary to recognize, evaluate, and control exposure to organic solvents, metals, asbestos, lead, radon, and other substances will be introduced. 4 lec.

405 Ventilation for Contaminant Control (4)
Prereq: 200. Designed to impart a working knowledge of the principles, methods, and practices of controlling worker exposure to hazardous concentrations of air contaminants and to present logical methods of design, evaluation, and maintenance of such systems. 4 lec.

406 Ventilation Laboratory (2)
Prereq: 405 or concurrent. Topics included will provide students with the minimal necessary skills expected of industrial hygiene and safety practitioners working in the areas of local exhaust ventilation, dilution ventilation, and indoor air quality. Evaluation of local exhausts, HVAC systems, hood entry losses, duct losses, air cleaner effects, and control of fumes, vapors, gases, and liquids. 2 lab.

410 Physical Hazards: Evaluation and Control (4)
Prereq: 200. Designed to provide a functional knowledge of methods used to evaluate and control noise, vibration, heat, light, and other factors affecting the health and well-being of the worker. 4 lec.

415 Introduction to Radiological Health: Evaluation and Control (4)
Prereq: 200. Overview and development of health effects of various sources of radiation including sources, evaluation, safety, and control factors. 4 lec.

420 Hazardous Material: Management and Control (4)
Prereq: 200. Lectures on gases, vapors, dusts, liquids, and their physical and chemical properties. Emphasis is upon evaluation and control methods. Student is required to develop controls for specific cases and present them in technical reports. 4 lec.

Hearing, Speech, and Language Sciences (HSLS)

107 Voice and Articulation (2)
Prereq: admission to pregraduate program. (winter, spring) Experience in audiological diagnosis and treatment of disorders of hearing, speech, and language. 2 lec.

108 Introduction to Communication Disorders (5) (2A)
Introduction to the field of human communication disorders, including disorders of hearing, speech, and language. 5 lec.

207 English Pronunciation—International Students (2)
Prereq: successful completion of OPIE or comparable proficiency test. (arranged) Group and individual instruction and pronunciation of sounds, rhythm, and stress patterns of English for international students and non-native speakers of English. 1 lec, 2 lab.

208 Phonetics (5)
Prereq: 107, 207. Speech sounds from sociological and physiological points of view. Mastery of International Phonetic Alphabet and English phonetic transcription. 4 lec, 2 lab.

213 Anatomy and Neurology of Communication (3)
Prereq: 207, or 210. Emphasis on the interrelation of the nervous system and the human communicative process. 3 lec, 3 lab.

251 Speech and Language Science (4)
Study of fundamental topics in speech and language sciences including speech production, speech acoustics, speech perception in a linguistic framework, neurolinguistics, lexical access, and speech and language technology. 4 lec.

257 Hearing Science (4)
Prereq: 213, 251. Physiological and psychological aspects of sound and measurement of human hearing, including hearing sensation and analysis, electrophysiology of the ear, psycho-acoustics, and physiology of the auditory system, including puretone audiometry, psychophysics, morphology, pragmatics, and theories regarding development. 4 lec.

297T Sophomore Tutorial I (1–15)
298T Sophomore Tutorial II (1–15)
299T Sophomore Tutorial III (1–15)

300 Aging and Disorders of Communication (4)
Basic information concerning nature of minor and major communication disorders, communication aids, and alternative approaches to rehabilitation. 4 lec.

310 Language Development (4)
Prereq: 108, HCCF 160 or PSY 273. Introduction to factors that influence language development. Includes development of semantics, syntax, phonology, morphology, pragmatics, and theories regarding development. 4 lec.

336 Speech and Hearing Disorders in the Public Schools (3–4)

341 Pre-Professional Service I (2)
Prereq: 240, jr, pass speech proficiency test in HSLS 240. Intermediate exploration of clinical practice issues in communication disorders. Includes service experience in a professional context. 1 lec, 2 lab.

378 Sign Language (4)
Prereq: not open to HSLS majors. Instruction in manual sign language system used by deaf. Emphasis on vocabulary, encoding, and decoding signs to communicate effectively. Not currently offered. 4 lec.

379 Basic Manual Communication (4)
Prereq: major. Basic instruction and practice in fingertipsigning and signing used by deaf and hard of hearing. Not currently offered. 4 lec.

380 Basic Audiology (5)
Prereq: 251, 253. Provides a basic understanding of the standard clinical procedures used to assess the auditory system, including puretone audiometry, speech tests, tympanometry, and acoustic reflex testing. Emphasis on interpretation of audiometric test results. Anatomy and physiology of the auditory system reviewed as related to disorders of the ear. Exposure to instrumentation, test materials, and practical testing experience provided in weekly laboratory sessions. 4 lec, 2 lab.

385 Sign Language I (4)
Prereq: Open only to non-HSLS majors (no credit if credit already for HSLS 385A). Basic introduction to sign language, including finger spelling, number concepts, and encoding and decoding of sign. 4 lec.

385A Sign Language I (4)
Prereq: Open only to HSLS majors (no credit if credit already for HSLS 385 or 379). Basic introduction to sign language, including finger spelling, number concepts, and encoding and decoding of sign. 4 lec.

386 Sign Language II (4)

387 Sign Language III (4)
Prereq: 386. Advanced instruction in American Sign Language (ASL). Addresses culture of deaf population and principles of interpreting with an emphasis on practical applications. 4 lec.

390 Research in Hearing, Speech and Language Sciences (4)
Prereq: PSY 221, jr, or sr. Introduction to research in the fields of speech-language pathology and audiology. Topics include the scientific method, generating relevant research questions, types of data and research designs, and formulating and communicating conclusions and interpretations. 4 lec.

397T Junior Tutorial I (1–15)
398T Junior Tutorial II (1–15)
399T Junior Tutorial III (1–15)

410 Language Science (4)
Prereq: 310 or LINQ 350 or 351. Theoretical approaches to language acquisition, neural correlates of language learning, noninvasive imagining techniques, relation of memory to language, and models of language processing. Not currently offered. 4 lec.

413 Communication Acoustics (3)
Prereq: Non-HSLS major. Provides telecommunications majors and other interested students with background information in acoustics as related to human speech production and perception. Not currently offered. 2 lec.

418 Disorders of Articulation and Phonology (4)
Prereq: 208, 213. Phonetic acquisition, articulation evaluation. Emphasis on practical approaches to therapy for individuals with articulation and phonological disorders. 4 lec.

419 Organic and Structural Communication and Related Disorders (4)
Prereq: 213. Provides a background on the nature and management of communication disorders caused by injury or malfunction of speech and language mechanism and nervous system. Illustration of case management presented for selected representative cases. 4 lec.

420 Multicultural Aspects in Communication Sciences (4)
Prereq: 108, 208. Multicultural topics related to the fields of speech-language pathology and audiology including speech and language acquisition in diverse cultures, social and geographical dialects, introductory concepts of bilingualism, hearing disorders, and aural rehabilitation. Not currently offered. 4 lec.

422 Diagnostics (3)
Prereq: 310, sr. Types of diagnosis in evaluation of speech and language problems. Screening tests, use of statistics in testing, basic interview and history procedures. Not currently offered. 3 lec.

433 Professional Training Seminar (3–4)
(arranged) Seminar in concepts underlying therapy procedures.

441 Pre-Professional Service II (4)
Prereq: 341, sr, no credit if 442. Designed to expand cultural awareness, foster integration of knowledge from previous coursework with applied practice principles, and ensure reflection on career opportunities. Capstone project completed. Approved Tier II equivalent.

442A Audiology Practicum (2)
Prereq: admission to pregraduate program. (winter, spring) Experience in audiological diagnosis and evaluation in campus clinical facility and off campus test sites. Not currently offered. 1 lec, 2 lab.
human development, such as the history of the rise of civilization, world religions, and trading systems.

133 Introduction to Non-Western History Since 1750: Cross-Cultural Perspectives (4) (2H)
Introduces cross-cultural perspectives in non-Western history. Focus is on the major themes in human development, such as the rise of nationalism, modernization, and Westernization, in order to understand the nature of global and cultural interactions in the modern era.

200 Survey of United States History, 1600-1865 (4) (25)
A survey of American history from colonial origins through the Civil War. The major political, social, cultural, and economic developments will be discussed.

201 Survey of United States History, 1865-1945 (4) (25)
A survey of American history from the Reconstruction to the present. The major political, social, cultural, and economic developments will be discussed.

246 The Rise of Modern Asia (4)
Introductory survey of the history of a vast region that has experienced considerable changes during the past 150 years. Ten units will compare the national experiences of China, Japan, Indonesia, Vietnam, South Korea, Taiwan, Singapore, and the Philippines through stages of transition from colonialism to independence movements, from agrarian to industrial economies, and from former authoritarian dynastic states toward democratic nation-states.

265A Nazi Germany (4)
Rise of Hitler to 1933; Hitler's M.P. rise to power; totalitarianism of Germany; Nazi foreign policy; World War II: Hitler's war on Jews; Hitler's fall; meaning of fascism.

297T Honors Tutorial Seminar (4)

298T Honors Tutorial Study, U.S. History (4)
Prereq: HTC. (winter) Independent study, U.S. History.

299T Honors Tutorial Study, U.S. History (4)
Prereq: HTC. (spring) Independent study, U.S. History.

300A Colonial America to 1689 (4)
Prereq: soph. English background, establishment of settlements, first economies, evolution of political and religious structures, relations with England, internal conflicts, Glorious Revolution.

300B Colonial America, 1689-1763 (4)
Prereq: soph. Governmental changes, credit and currency, Great Awakening, social development, colonial society, Anglo-French rivalry, nature of colonial society, problems of maturing political units.

300C Revolutionary Era, 1763-1789 (4)

300D Early American Republic (4)
Beginning with the ratification of the Constitution and concluding with the end of the War of 1812, this course will explore the ways in which the people of the new nation struggled to construct their political, social, and cultural institutions.

301J Historical Research and Writing (4) (1J)
Prereq: Jr. major in history. Deals with techniques and mechanics of historical research and writing. After introduction to use of primary and secondary sources and use of history reference materials, early students are guided through steps of research and writing; compiling bibliography, analysis of sources, organization of evidence, and style and composition of written paper.

302 American Indians (4)
Prereq: soph. Treats Indian society before white contact; Spanish, French, and English impact; Indian removal; Indian wars; problems of cultural contact; preservation versus assimilation; Indian society today.

303 United States in World War II (4)
Prereq: soph. Military and diplomatic role of U.S. in WWII; political, economic, and social impact of war on that nation.

305 The United States and the Vietnam War (4)
Prereq: soph. Examination of American involvement in Vietnam, both its diplomatic and military strategies, and diplomatic history of war itself, and its impact on American society.

306 American Environmental History (4)
Prereq: A survey of environmental history to the present—of American attitudes toward and interactions with the natural world, including such topics as romanticism, conservation, the “land ethic,” and “deep ecology.”

307 Famous Trials in American History (4)
This course uses the medium of famous trials to explore the relationship between law and society since the American Revolution. It is not restricted to American history from the 17th to the 18th centuries. Of the cases to be studied are landmark cases in the history of American law that will provide social and cultural insights into a particular period of American history. Along the way, the class will consider the role of governmental entities, the legal profession, the judiciary, the press, and the public in famous trials.

308A Pre-Civil War America, 1815-1850 (4)
Prereq: New definitions of democracy, westward expansion, early industrialization and class formation, moral reform movements, slavery and sectionalism, Mexican War, conflict of Jacksonian Democrats and Whigs.

308B The Civil War and Reconstruction (4)
Prereq: Forces making for increased industrialism in America in 1850, military engagements; society and institutions in North and Confederacy during wartime; attempts to restructure Southern society after the war and why they failed.

308C Foundations of Modern America: The Gilded Age, 1877-1901 (4)
Prereq: soph. Labor unrest, nativism and anti-semitism, imperialism, government corruption, Social Darwinism, urban growth, Victorian morality, and Indian wars examined as outgrowths of efforts of American people to adapt to modernization and industrialization in late 19th century.

309A American Constitutional History, Part 1: Origins to Reconstruction (4)
Prereq: soph. Traces the history of American constitutionalism from its English roots through the aftermath of the Civil War. While the purview of the course is not restricted to the federal constitution, that document will form its chief focus. Ideas, institutions, and individuals responsible for the construction of America’s unique constitutional heritage will be studied in considerable detail.

309B American Constitutional History, Part 2: Gilded Age to Present (4)
Prereq: soph. Studies the history of American constitutionalism from the last half of the 19th century to the last half of the 20th. The class will concentrate on the Federal Constitution and its role in shaping the public and private lives of Americans. Particular attention will be paid to the ideas, institutions, and individuals responsible for making the Constitution a battleground rife with intellectual, social, and cultural significance.

309C Famous Trials in British History (4)
Prereq: soph. Uses the medium of famous trials to explore the relationship between law and society in British history. Some of the cases to be studied are landmarks in the history of law, while others provide insight into the social, cultural, and political characteristics of a particular period in British history.

310A 20th-Century America, 1920-1980 (4)
Prereq: soph. P. Milazzo. Emphasis on political and cultural history; rise of new parties; earlier 20th-century progressivism as an intellectual movement and its manifestations in state and local politics, presidential elections of 1932 and 1964 and Woodrow Wilson; impact of World War I; ambivalent character of the 1920s in American culture and politics; origins and effects of the affluence society.

310B 20th-Century America, 1928-1945 (4)
Prereq: soph. P. Milazzo. Emphasis on politics, culture, and foreign policy. Major topics include origins and nature of the Great Depression; Franklin D. Roosevelt and the emergence of the modern presidency; political and intellectual character of the New Deal; origins and impact of American involvement in World War II; wartime military history, diplomacy, and politics.
310C 20th-Century America, 1945–Present (4)
Prereq: soph. P. Milazzo. Emphasis on politics, culture, and social change. Major topics include origins and nature of the Cold War; impact of foreign involvements on American politics; political leadership; the media; ideology and social change in the '60s and '70s; the rise of cultural politics and its effect on economic-based political coalitions; resurgence of conservatism in the '70s and '80s.

312A United States in Urban History (4)
Prereq: soph. or jr or sr. Examines the influence of cities, suburbs, and exurbs on American economics, politics, and society.

313 Jews in American History (4)

314A American Social and Cultural History to 1820 (4)
Prereq: soph. People lived and understood their world from the first European contacts through the Federalist era. Differences among the colonists and the interaction with Native Americans; the establishment of slavery as a social system in the South; and family, gender, roles, and class formation. Early market economy. Significant attention to material culture, art, and architecture.

314B American Social and Cultural History, 1820–1890 (4)
Prereq: soph. Social and work life; gender and family roles in Victorian America. The urban environment and the creation of new suburbs. Southern life under the slave economy and under Jim Crow. Urban working class life and entertainment, middle class gentility, and Gilded Age displays of wealth.

314C American Social and Cultural History Since 1890 (4)
Prereq: soph. Twentieth century urban and suburban life in the 1920s, Depression, and Cold War. Literature and art of the Harlem Renaissance and civil rights era. Cold War era suburbs, alienation, and inner city. 1960s artistic and cultural rebellions. Modern commercialized entertainment. Evangelical Christianity and conservative culture since the 1980s.

314D American Social Thought to 1815 (4)

314E American Social Thought, 1815–1945 (4)
Prereq: soph. K. Mattson. Major aspects of intellectual history of U.S. 1815–1915, stressing rise of romanticism in 1800s and antebellum abolition; focus on slavery and the Civil War.

314F American Social Thought Since 1915 (4)
Prereq: soph. K. Mattson. Major aspects of intellectual history of U.S. since 1915, with principal attention continuing impact of evolutionary naturalism, especially in development of pragmatism, and liberal and conservative political ideologies and their ramifications; modernism; and radicalism. Counter Culture.

315A Cultural Rebels in the Modern U.S. (4)
Prereq: soph. or jr or sr. This course examines the history of cultural rebellion (or radicalism) in the 20th century. It surveys rebellion from Greenwich Village at the turn of the century to the punk rock explosion of the 1970s and 80s. It examines larger questions of who is a rebel and why. Major topics include origins of protest movements with which one often seems to embrace rebellion? How do rebels communicate their anger to the wider society?

315B History of African Americans to 1865 (4) (25)
Prereq: soph. Beginning with introduction of slavery in 1619, course deals with black person’s role in American history. Concerns slavery, abolition, and many attempts by black people to improve their position.

315C African Americans in American History, 1865–1939 (4)
Prereq. Junior. M. Fletcher. Concerns Emancipation and its continuing effects on African Americans; life in the post-Civil War South; new Black leaders such as Washington, DuBois, and Garvey; and the migration to the North, the Civil Rights movement, and the problems of equality.

315D African Americans in American History, 1940–Present (4)
Prereq. Junior. M. Fletcher. Concerns World War II and its continuing effects on African Americans; migration to the North, the Civil Rights movement, and the problems of equality.

316A History of United States Foreign Relations, 1914–1945 (4)
Prereq. soph. C. Pach. U.S. foreign relations from war for independence to WWI, stressing development of traditional policies; neutrality; Monroe Doctrine—and emergence of U.S. as world power.

316B History of United States Foreign Relations, 1945 to Present (4)
Prereq. soph. C. Pach. American foreign relations in two world wars and interwar period, emphasizing shifting political, economic, and cultural interests involved in transition from intervention to nonintervention to intervention again and emergence as superpower.

316C History of United States Foreign Relations, 1945 to Present (4)
Prereq. soph., C. Pach. American foreign relations in Cold War and post-Cold War era; confrontations between U.S. and Communist world, emergence of detente, and background of current foreign policy issues.

317A Ohio History to 1851 (4)
Prereq. soph. Ohio to 1851: prehistoric Ohio, early exploration, settlement, government; statehood and economic development; political parties; abolition and slavery movement.

317B Ohio History Since 1851 (4)
Prereq. soph. Ohio since 1851: pre-Civil War politics, Civil War; Economic and political transition during post-Civil War; 20th-century problems. Biographical sketches.

318 American Westward Movement (4)
Prereq. soph. American West; Appalachian West, Ohio frontier, Far West. Explorers, fur trappers, miners, cattlemen, stage lines and railroads, farmers, conservation.

319B American Baseball to 1930 (4)
Prereq: soph.; no credit if 319A. American baseball—as sport, entertainment, business, and cultural institution—from origins in children’s games and spread as adult pastime in mid-19th century to emergence as full-blown professional sport after World War II, formation of present league structures; Major League Baseball (1919–20); reorganization of baseball’s governance, and Babe Ruth—dominated “golden age” of 1920s. Includes player-owner conflicts, foremost players, managers, and teams; separate development of black baseball.

319C American Baseball Since 1930 (4)
Prereq: soph; no credit if 319A. Baseball—sport, entertainment, business, and cultural institution—from Great Depression of 1930 through World War II; postwar boom, slump, and franchise migrations; major league expansion in 1960s; player-owner conflicts; and good and bad times in 1970s and 1980s. Index continuing evolution of game; foremost players, managers, and teams; Negro leagues and their demise; and All-American Girls Professional Baseball League (1943–54).

320A Women in American History Before 1877 (4)
Prereq. soph., K. Jellison. American women’s history from the colonial era through Reconstruction. Topics include the traditional life of Native American women in the West in colonial New England, women in the American Revolution, African American women in slavery, early American childbirth customs, early women’s rights crusades, women on the trans-Mississippi frontier, and women in the Civil War.

320B Women in American History Since 1877 (4)
Prereq. soph. K. Jellison. American women’s history since Reconstruction. Topics include the experiencess of immigrant women in the U.S., prostitution in the Gilded Age, the Progressive Era birth-control movement, achievement of the right to vote, women in the two world wars, women in the civil rights movement, and the feminist movement in the backlash against feminism, Roe v. Wade and the abortion debate.

320C Women’s Health and Medicine in America (4)
Prereq. soph. This course examines, from the colonial era to the present, changes in the medical treatment of women and changes in the perception of what constitutes women’s health and illness. The class will explore how the complex interplay of scientific inquiry, social mores, cultural fears and expectations, and the relationship between physicians and women have contributed to changing definitions of women’s health and medicine.

321A History of the Military in America: 1600 to 1839 (4)
Prereq. M. Fletcher. Military institutions in American history; role of technology in warfare; innovations and reforms in military; war and its conduct; military and civilian society in war and peace.

321B History of the Military in America: 1839 to Present (4)

321C Military History of the Civil War (4)
Prereq. soph. The military aspects of the US Civil War, who won and lost and why. Also the roles of individual men and women, white and black. Battles and leaders.

322 1960s in U.S.: Decade of Controversy (4)
Prereq. jr. Allows students to go beyond the popular stereotypes of the 1960s to understand the decade as a period of social, cultural and political confrontation that laid the groundwork for life in the present-day United States. Primary focus on social protest movements of the era, the Civil Rights movement, the student movement, the antiwar movement, the counterculture, and the women’s movement.

323A Latin American History: The Colonial Era (4) (2C)
Prereq. soph. Examines historical origins of Latin American society. Themes include internal nature of Iberian and pre-Columbian Indian societies, circa 1450; conquest and subordination of American civilizations by Spain and Portugal; distribution of power, land, and labor in post-conquest Latin America; order and instability in colonial society; and 1810s, 1820s and 30s in integration into the European economy.

323B Latin American History: The 19th Century (4) (2C)
Prereq. soph. Examines 19th-century origins of modern Latin America but it also considers that causes and consequences of revolutions of independence; dynamics of dictatorship and democracy in 19th-century Latin American political culture; and decision-making process by which Latin America’s 19th-century leaders integrated their national economies into international economic system as specialized exporters of raw materials.

323C Latin American History: The 20th Century (4) (2C)
Prereq. soph. Survey of modern Latin American history focusing on causes and consequences of structural instability in Latin America since 1900. Special emphasis is placed on collapse of regional trends of liberal/export model of national development in 1930s; competing political/ideological responses to structural crisis in region (social revolution, authoritarianism, democratic change); and ongoing search for viable formulas of economic development.

323D History of Brazil (4)
Prereq. soph. or jr or sr. This course will explore the history of Brazil from the colonial period until the present. Combing classic and recent scholarship, and well-known literary works, it will focus on major historiographical debates that have shaped perceptions of Brazilian history, society, and culture.

325 History of U.S.–Latin American Relations (4)
Prereq. soph. Survey of inter-American relations in the 19th and 20th centuries, focusing on evolv-
234A Traditional Japan (4)  Prereq: soph. Traces major elements of Japanese culture and thought from their indigenous origins, through the influence of China, and the transition to a modern, technologically advanced society and economy.

234B Modern Japan (4)  Prereq: soph. Studies the growth of power and influence of Tokugawa system leading to opening of Japan to Western trade and colonization of Japan, and its impact on Japan's international and cultural relations.

350A History of Early Science (4)  Prereq: soph. Overview of the history of science from the ancient world to the 17th century. Examine areas of production and technique in modern science and their contribution to the history of science.

351 Medieval People (4)  Prereq: soph. In-depth inquiries into lives and epochs of representative individuals of medieval Europe through biographies.

352 Medieval Civilization (4)  Prereq: soph. Survey of cultural and intellectual history. Transmission of Christianity and classical culture to the Middle Ages, focusing on the development of a new civilization in early medieval times. Medieval civilization at its height: Church, schools and scholasticism, and secular culture.

353A The Barbarian West: Europe 400–1000 (4)  Prereq: soph. Foundation of Medieval synthesis, 300–1100; collapse of Roman world; establishment of successor states, spread of Christianity, formation and development of European culture.

353B The Later Middle Ages (4)  Prereq: soph. Survey of medieval Europe and transition to early modern era, 1100–1450; developments in commerce, religious life and institutions, governments, politics, learning, and secular culture.

353C History of the Crusades (4)  Prereq: soph or jr or sr. The Crusades brought peoples of three religious communities in close contact: Jews, Christians, and Muslims. This course will provide an overview of the history of that contact, examining the political, social, cultural, and religious impact the Crusades had on each community.

354A Early Christianity: East and West (4)  Prereq: soph. Investigates historical development and spread of Christianity from its origins to about A.D. 600. Content includes Greek and Hebraic back- grounds, early church fathers of East and West, ecumenical councils, early heresies, and development of church doctrine.

354B Modern Christianity (4)  Prereq: soph or jr or sr. This course will explore the modern history of the church's most significant religious traditions. While primarily considering modern Christianity's European, American, and African origins, we will focus on the evolution of Christianity in the modern period from a religious center on Europe, its colonies and the societies that have helped define and resist modernity.

354C Medieval Christianity: Church and Society (4)  Prereq: soph or jr or sr. Historical developments within Christian society between the 5th and 14th centuries, with special focus on western Europe and the church-state relationship. Central topics will include the inner financial and legal workings of the church; monks as reformers and representatives of the papacy after the fall of the Roman Empire; and the problem of uncovering popular devotion; the importance of gender in shaping religious life and practice; cooperation and conflict between religious leaders and worldly rulers. Along with a textbook, students will read, analyze, and discuss original source materials in translation.

356A The Italian Renaissance (4)  Prereq: soph. Major political, social, economic, and cultural currents of Italian city-states from 1300 to 1550. Focus on Dante, Petrarch, Boccaccio, Bruni, Machiavelli, Guicciardini, Michelangelo, Leonardo da Vinci, etc.

356B The Northern Renaissance (4)  Prereq: soph. History of Renaissance outside Italy: politics, economics, sociology, and intellectual currents of Germany, France, Burgundy, and England from 1300 to 1600. Treated thematically, countries include France, the Low Countries, More, Ixenmes, Reuchlin, Hutten, Bude, etc.

356C The Reformation (4)  Prereq: soph. Protestant, Catholic, and Counter-Reformation in Europe, showing their relationships to social, political, and religious movements of 15th and 16th centuries. Roles of Luther, Zwingli, Calvin, Cranach, Erasmus, Loyolly, etc.; Protestant and Catholic churches and sects in western and eastern Europe.

357 Florentine People (4)  Prereq: soph. Major figures in Florence from 1300 to 1600, from Dante to Galileo; concern are with some of the origins of modern thought in areas of artistic theory, poetic form, Italian language, political ideas, scientific method, and historical composition.

357A Spain in the Age of Discovery, 1450–1700 (4)  Prereq: soph. Course explores Spanish society and culture during the era of discovery, conquest, and colonization of the New World, 1450–1700. It traces the rise of Spanish colonial power, the transition to an economic system based on silver mining and trade, and the subsequent decline in the 17th century. Course explores the development of Spanish society, culture, and institutions in relation to cultural encounters in Europe and the Americas.

357B Early Modern Europe, 1559–1648 (4)  Prereq: soph. Course explores Europe from 1559 to 1648. Major political, economic, and social developments in Europe during Age of Spanish Preponderance; Philip II, wars of religion, Thirty Years’ War, and ideological structures.

357C Early Modern Europe, 1648–1715 (4)  Prereq: soph. Europe from 1648 to 1715. Main political, economic, and social developments in Europe during Age of Louis XIV; French hegemony, rise of balance of power, absolutism.

360A Women in Early Modern European History, 1400–1800 (4)  Prereq: junior. This course explores the social, cultural, political, and economic roles of women in Europe for the fifteenth through the eighteenth centuries. Key issues include women’s political power and participation in politics; sexuality and the body; women’s involvement in religious roles; and women’s interactions with men.

360B Women in Modern European History, 1800–present (4)  Prereq: junior. Course explores the roles of women in western European society from the French Revolution to the present. Key themes include how women have been affected and been influenced by social, cultural, and political currents; the place of women in historical literature; and how women’s roles have changed over time at the political as well as the everyday levels.

360C Women Warriors: Women and War in Europe (4)  Prereq: soph. This course analyzes the role of women in military capacities in Western Europe from a social-cultural perspective.

361 The French Revolution (4)  Prereq: soph. The French Revolution traditionally has been regarded as a cornerstone separating the Old Regime from modern times. This course examines the origins, course, and significance of the French revolutionary experience.

362A Europe, 1814–1871 (4)  Prereq: soph. Europe from Congress of Vienna through Franco-Prussian War, including growth of liberal and national revolutions of 1830 and 1848, Industrial Revolution, unification of Italy and Germany, social and intellectual movements.

362B Europe, 1871–1914 (4)  Prereq: soph. Development of Austria-Hungary, France, Italy, Germany, Great Britain, and Russia, including roots of World War I, and social and intellectual movements.


364B Contemporary Europe (4)  Prereq: soph. Cold War, Communist bloc, European integration, decolonization, Gaullist regime, and problems of present-day Europe.

365 The Problem of Church and State in Europe (4)  Prereq: soph or jr or sr. This course is devoted to the problem of the relationship between political and religious institutions and its impact on the course of European history. We will focus on four specific periods: 1) The High Middle Ages (1000–1300); 2) The Reformation; 3) The Age of Revolution; and 4) the 20th century.

366A Modern France in the 19th Century (4)  Prereq: soph. Rise and fall of Napoleon, his impact on France and Europe; monarchist interlude; revolution of 1848 and election of Louis Napoleon; Second Empire; liberal and authoritarian regimes; reconstruction.

366B Modern France in the 20th Century (4)  Prereq: soph. Course examines the post-napoleonic era and the rise of nationalism and rejection of 19th-century impact of 20th-century democracy in France; European and colonial wars; communist movement from Popular Front to Communist Program; anti-communism in France; French in changing world; De Gaulle, his predecessors, and his successors.

368A Modern Germany in the 19th Century (4)  Prereq: soph. Cosmopolitans and movement to create German national state; rise of capitalism and decline of handicraft; liberation of German peasants and revolution of 1848 and revolution of blood- and-iron chancellor; Germany’s rise to European predominance; rise of worker movement; German society at turn of century.

368B Modern Germany in the 20th Century (4)  Prereq: soph. Germany on eve of WWI; military, fiscal and creation of Weimar Republic; Weimar, Berlin, Hindenburg, and Dresden; attempt to create a one-party democracy; Third Reich and transformation of German society; WWII and Final Solution; Communist Germany and Federal Germany; two societies and two states since 1945.

370 History of Byzantine Empire, 324–1453 (4)  Prereq: soph. Decay of Roman Empire and emergence of Christian empire, 324–717; Medieval Roman legal code; 717–1056; weakening of central administration and apparent revival under Comneni, 1025–1204; Byzantium and neighboring world, 1204–1453; church and state; education and learning, Byzantine art; social, political, and military developments.

371 Witchcraft 1400–1750 (4)  Prereq: jr; 101, 122, or 122. Witchcraft in Europe, the British Isles, and the American colonies 1400–1750: its historical origins; its social-intellectual bases; its roles of gender, the law, church and state, and popular and elite cultures; the great witch hunts and trials; and witchcraft’s decline and disappearance.

372 History of the Balkans 1354–1908 (4)  Prereq: soph or jr or sr. The Balkans from the rise of the Ottoman Empire to the beginnings of its collapse, Ottoman conquests, and institutions in the Balkans, the region’s social, cultural, and religious development as well as the fate of the Balkan peoples. Mapping region from 15th to the 18th centuries. The rise of Balkan nationalism after 1800, the growth of great power intervention, as well as efforts of the Greek, Bulgarian, Serb, and Bulgarian peoples at state-building.

373 History of the Modern Balkans Since 1908 (4)  Prereq: soph or jr or sr. The Balkans from the Ottoman Empire’s collapse to the present. Social and cultural history of the Balkans as well as how the region’s peoples and states responded to the
Challenges of both World Wars, a brief interwar independence, and their post-World War 2 absorption into the U.S. and Soviet blocs and the Great Civil War. The collapse of the Ottoman Empire, the region’s post-1989 transformation, and the course and impact of Yugoslavia’s collapse.

37A A Balance of Power: Napoleon to the Present
Prepared: Soph. N. Goda. Diplomatic history from Congress of Vienna to WWI, including age of Metternich, Italian and German unification, new imperialism, and prewar alliances and alignments.

37B Origins of World War II, 1914-1941

37C The Cold War, 1941-1989

37D World War I (4)
Prepared: Soph. Covers the origins of the war, both military and strategic, as well as the peacemaking afterward, but the central focus will be the war itself: the major offensives, Allied and German strategies and tactics, trends in the Western Front, chemical warfare, the war in the air and on the seas, the home front, the use of the submarine and the tank.

37E Biography: Leaders in 19th Century Europe (4)
Prepared: Soph. Lives of great and near great as they influenced history.

37F Jewish Holocaust (4)
Prepared: Soph or Jr or Sr. The origins of anti-Semitism in the West, the development of Nazi genocide, the reactions of European Jews including resistance, and the actions and inactions of bystander groups.

37G Espionage and History (4)
Historical perspective on modern secret intelligence operations, including espionage, propaganda, disinformation, cryptography, and counterintelligence. Examination of role of secret intelligence in foreign policy and national public policy, especially in times of war and crisis. Attention paid to intelligence and national security requirements of societies valuing openness and human freedom. Course stresses specific historical examples.

37H History of Sea Power (4)
Students examine the role of navies and maritime technology; and the future of sea power.

37I Geopolitics and History (4)
The focus is on the development and influence of global power: imp-perialism and nationalism, economic change, 1905 Revolution, war and the collapse of the Romanov dynasty in 1917.

38C Soviet Union (4)

382 The USSR in World War II (4)
S. Miner. History of the Soviet Union during WWII. Topics include wartime diplomacy, espionage, social and political ferment of the USSR during the war, the creation of the communist states in Eastern Europe after the war, and the origins of the cold war.

383A History of Poland, 966–1905 (4)
Prepared: Soph or Jr or Sr. Poland from earliest times to 1905. The rise of the Piast Polish state, its eastward expansion, conflict and cooperation with the Teutonic knights and German settlers, and the union with Lithuania in the 14th century that creates the Polish-Lithuanian Commonwealth. The Commonwealth’s politics, culture, and multi-national make-up, its struggles with its neighbors and partition. Political, social, and cultural life under foreign rule in the 19th century and the struggle for Polish independence.

383B Modern Poland from 1905 to the Present (4)
Prepared: Soph or Jr or Sr. Poland from partition to independence; Polish struggles for imperial expansion in Europe; Eastern Europe; and culture in a multinational Poland, the tragedies of World War II, the Holocaust and subordination to the Soviet Union; the need to build a new, ethnically cleansed Poland and win autonomy within the eastern bloc; the vitality of religious life and national identity; Poles successful struggle to free their country from Soviet control and Poland’s renewed independence after 1989.

389 Later Medieval England, 1307-1485 (4)
Prepared: Soph. The Age of Chaucer and Wars of the Roses. Investigation of political, social, intellectual, ecclesiastical, and economic aspects of period of ferment and rapid change.

390A Reformation Britain, 1450-1603 (4)

390B Revolutionary Britain, 1603-1689 (4)

391A English History to 1688 (4)
Prepared: Soph. French and Jesuit influence, and preludes and majors and general students of history. Survey of institutional aspects of medieval England and its emergence as an important modern nation. Emphasizes cultural and economic developments, growth of British Empire, constitutional and social reforms, and impact of WWI and WWII.

392A Making Modern Britain, 1689–1815 (4)
Prepared: Soph. Survey of political, social, intellectual, cultural, and economic developments of England in years prior to and during American and French revolutions.

392B Victorian England (4)

392C 20th Century Britain (4)
Prepared: Soph. Studies British in the 20th century, focusing on the decline from world power: the onset of trouble before 1914; the experience of two world wars; society and policy between the wars, especially appeasement and its background; postwar developments, including the welfare state, de-colonization, and European integration.

392E British India and Great Game (4)
Prepared: Soph. Study the making of modern India, Pakistan, and Afghanistan, focusing on South Asia’s importance in relation to world power; imperialism and nationalism, economic development, and background to international security problems, including Kashmir, terrorism, and nuclear proliferation.

393A A Rise of the British Empire (4)
Prepared: Soph or Jr or Sr. This course examines the sources, strategies, ideologies, and impact of the British Empire in the nineteenth century. The course evaluates British imperialism from regional as well as metropolitan perspectives, giving particular emphasis to the roots of globalization — how the use of technology and information interlocked the British Empire as a worldwide network of trade, investment, migration, and military power.

393B Fall of the British Empire (4)
Prepared: Soph or Jr or Sr. This course examines the fate of the British Empire in the twentieth century, focusing on the global impact as well as the process of decolonization. Topics include the question of imperial overstretch; the development of the Commonwealth; India’s independence; and Britain’s withdrawal from its former dependencies in Africa, Asia, and the Middle East through the return of Hong Kong to China in 1997.

394A The Medieval English Constitution (4)

394B The Modern English Constitution (4)

395 History of Canada (4)
Prepared: Soph. Introduction to Canada; study of its exploration and development under France and England, and its emergence as important modern nation.

396A European Intellectual and Cultural, 18th-20th Century (4)
Prereq: Jr. Intellectual and cultural trends from the Enlightenment to the beginning of the 20th century. Themes include economic liberalism, philosophical liberalism, revolution, romanticism, nationalism, philosophy of history, Marxism, Nietzsche, racism, anti-Semitism, Social Darwinism, interpretive sociology, and comparative history.

396B European Intellectual and Cultural, 20th Century (4)
Prereq: Jr. Intellectual and cultural currents in 20th century Europe. Themes include radicalization of intellectual life, Freud and psychoanalysis, fascism, Nazism, Communism, capitalism, feminism, postmodernism, postcolonialism, and the collapse of European communism, and fin de siecle liberalism.

396J Writing on Historical Themes (4)
Prereq: Soph. Writing on the following historical themes: equal emphasis on historical scene-setting, factual research, and treatment of historical themes. Requires regular writing. Fulfills Jr-level English composition requirement.

397T Honors Tutorial Seminar, European History (4)
Prepared: HTC. (fall)

398T Honors Tutorial Study, European History (4)
Prepared: HTC. (winter) Independent study. European history.

399T Honors Tutorial Study, European History (4)

401A Studies in Colonial American History (4)
Prepared: 24 hrs HIST. Literature and source materials of colonial American history. The rings and reports.

401B Studies of the Era of the American Revolution (4)

405 Studies in the Foundation of the American Republic, 1783–1819 (4)
407 Studies of the Era of Sectarian Controversy: 1819–1850 (4)

409 Studies in the Era of the Foundations of Modern America, 1850–1901 (4)

411 Studies in the History of the United States in Recent Times (4)
Prereq: 24 hrs HIST. Literature and source materials of recent U.S. history. Readings and reports.

415 Studies in the Social, Cultural, and Intellectual History of the United States (4)
Prereq: 24 hrs HIST. Selected topics. Tier III equivalent course.

417 Studies in the History of American Foreign Relations (4)

421 Studies in Regional History (4)
Prereq: 24 hrs HIST. Literature and source materials of U.S. regional history. Readings and reports.

424 Studies in the History of U.S.–Latin American Relations (4)
Prereq: 325. Readings and research papers on major issues in 20th-century U.S.–Latin American relations.

426 Dictatorship in Latin American History (4)
Prereq: 323C. Focuses on predominant type of political governmental system in Latin America: authoritarian dictatorship. Examines major examples of 20th-century ideological authoritarianism in Latin America ranging from populist authoritarianism of Juan Perón in Argentina to bureaucratic authoritarian regimes recently in power in Greece, Argentina, and Chile. Attention devoted to competing schools of interpretation which attempt to explain recurring phenomenon of nondemocratic forms of government in Latin America.

427 Studies in Recent Latin American History (4)
Prereq: 24 hrs HIST. Literature and source materials of recent Latin American history. Readings and reports.

429 Studies in the History of Ancient Greece (4, max 8)
Prereq: 24 hrs HIST. Literature and source material of ancient Greek civilization. Readings and research paper. Themes vary from quarter to quarter. Not credit for credit.

435 Studies in Middle East History (4)
Prereq: 24 hrs HIST. Selected topics on Middle East since 1914. Readings and reports.

441 Studies in African History (4)
Prereq: 16 hrs HIST or INST. Literature and source materials of African history. Readings and reports.

445 Studies in the History of Southeast Asia (4)
Prereq: 24 hrs HIST. W. Frederick. Literature of Southeast Asian history and culture generally, with particular emphasis on selected developments in 19th and 20th centuries. Readings and reports.

449 Studies in the History of East Asia in Recent Times (4)
Prereq: 24 hrs HIST. Historical literature relating to process of modernization of China and Japan from 1860s to 1980s. Readings and reports.

453D-Z Studies in Medieval History (4)
Prereq: junior. Selected topics in medieval history. Readings in original sources and scholarship. Reports and final essay.

453E Rome in the Dark Ages (4)
Prereq: sr, and HIST 122 and (293C or 353 or AH122 or CLAS 255) An interdisciplinary course on the political, religious, and topographical history of the city and its environs over a long time span. We focus on periods of dramatic change, both political and physical, including the time around the reign of the first Roman emperor, Augustus, and the first Christian emperor, Constantine; Rome under Gothic, Byzantine, Carolingian rule; the medieval city around the first Jubilee in 1300; Renaissance Rome, and the fascist rebuilding of the city. Tier III equivalent course.

463 Studies in 19th-Century Europe (4)
Prereq: 24 hrs HIST. Literature and source material of 19th-century Europe. Readings and reports.

467 Studies in Modern France (4)
Prereq: 24 hrs HIST. Literature and source material of modern France. Readings and reports.

483 Studies in Russian and Soviet History (4)
Prereq: 24 hrs HIST. S. Miner. Literature and source material of Russian and Soviet history. Readings and reports.

491 Studies in Early Modern English History (4)
Prereq: 24 hrs HIST. Studies in early modern English history from multidisciplinary perspectives.

493 Studies in British History Since 1714 (4)
Prereq: 24 hrs HIST. Literature and source material of British history since 1714. Readings and reports.

495 History Internship (5)
Prereq: jr. perm. Designed to enhance skills for history majors through history-related work assignments in public and private agencies.

496 Quantitative Methods in History (4)
Introduction to descriptive and inductive statistical techniques used in historical research and analysis of current literature. Emphasis on the development of such techniques for use in computer.

497T Advanced Honors Tutorial Study (4)
Prereq: HCT. (fall).

498 Problems in History (1–5, max 9)
Prereq: 24 hrs HIST. Intensive individual work either in research or individual systematic reading along lines of student's special interest under supervision of staff member.

498T Advanced Honors Tutorial Study (4)
Prereq: HCT. (winter) Independent study, advanced level.

499 Honors Studies of Selected Historical Topics (1–5, max 15)
Prereq: perm. Study, reading, research, and writing on selected topic; intended for students who plan to graduate with honors in history. Arrangements should be made during junior year.

499T Advanced Honors Tutorial Study (4)
Prereq: HCT. (spring) Independent study, advanced level.

Human and Consumer Sciences

Child and Family Studies (HCCF)

160 Introduction to Child Development (4)
Prereq: 24 hrs HIST. Fundamental patterns of development and behavior during prenatal period through middle childhood. 4 lec. No credit awarded if EDEL 200 or PSY 273 has been taken.

160A Observing and Recording Children's Behavior (3)
Prereq: 160 or concurrent. Documenting children's cognitive and academic learning and their social, emotional, and physical development by using a variety of observational techniques such as running records, anecdotal records, checklists, rating scales, time sampling, event sampling, and formal observational instruments. 3 lec.

170 Introduction to Early Childhood Education (3)
Prereq: 160 or concurrent. Overview of the profession of early childhood education and the role of the teacher. 3 lec.

260 Diversity in Early Childhood Education (3)
Prereq: C or better in 170. Focuses on increasing awareness, sensitivity, and understanding of the diverse cultural, ethnic, linguistic, religious, and family backgrounds of children in early childhood education. 3 lec.

260L Clinical: Diversity in Early Childhood Education (1)
Prereq: C or better in 170, concurrent with 260L. Clinical experience in an early childhood setting that provides an opportunity to interact with children who share diverse (cultural, linguistic, ethnic, racial, socioeconomic, family forms, etc.) backgrounds and experiences. 3 lec.

365 Infant and Toddler Development (3)
Prereq: 170. Provides in-depth information about the physical, social, emotional, cognitive and language development of children from birth to 3 years. Typical and atypical patterns will be covered as well as the environmental conditions that support optimal development. 3 lec.

270 Family Living (3)
(fall) Person-centered analysis of basic human relationship processes leading to successful modern American marriage, partnerships, and family experience. Special discussion and analysis on problems in each family stage, and of special issues in family life today. 3 lec.

299 Introduction to Human Services-Professional Assessment (3)
Prereq: soph, major, (fall) introduction to field of child and family services/education/human services for students who have declared majors in child development, family studies, or family and consumer sciences education. Seminar sessions and performance assessment provide opportunity to assess professional competence at this level. 3 lec.

360 Human Sexualities (4)
Prereq: jr or sr. Explores effect of human sexuality aspects of one's ability to form relationships which are integrative, creative, and reproductive. Emphasis on realization on dynamics of birth in wholeness of life pattern and in relationships, in light of scientific research. 4 lec.

361 Guidance and Classroom Management in Early Childhood (3)
Prereq: C or better in 160 or PSY 273; 361L concurrent. Application of theories and principles or early childhood guidance and discipline. 3 lec.

361L Clinical: Guidance and Classroom Management in Early Childhood (1)
Prereq: C or better in 160 or PSY 273. Observation and participation in the guidance and classroom management in approved early childhood settings. 3 lab.

363 Creative Experiences in Early Childhood (4)
Prereq: C or better in 361; CR or C or better in 361L; 361L concurrent. Selection, preparation, presentation, and evaluation of activities and materials in art, music, language, psychosocial, and physical development for early childhood programs. Lab Fee = $15. 4 lec.

363L Clinical: Creative Experiences in Early Childhood (1)
Prereq: C or better in 361; CR or C or better in 361; CR or C or better in 361L. Observation and presentation of creative experiences in approved early childhood settings. 3 lab.

364 Premath and Science with Young Children (4)
Prereq: C or better in 361; 1 course BIOL or BIOS. (winter) Examples of early childhood programs, primary elements and issues that differentiate them. Selection, preparation, presentation, and evaluation of premath and science activities and materials. 3 lec. 3 lab.

365 Infant and Toddler Education (3)
Prereq: C or better in 361; CR in 361L, (fall, yr) Knowledge of ways in which children learn from birth to 3 years; opportunity to structure environment to foster social, emotional, cognitive, and physical development of infant, as well as understanding of issues and trends in infant education. 3 lec.

365L Clinical: Infant and Toddler Education (3)
Prereq: C or better in 361; CR in 361L. Assigned responsibility for care and education of infants and toddlers in groups in 9 lab.

366 Practicum in Early Childhood Education (6)
Prereq: 363, 363L perm. Lab experience in assisting the planning, guiding, supervising, and evaluating preschool children's growth and behavior in all phases of early childhood education programs. Required for students in the associate's degree program.
Courses / Human and Consumer Sciences

371 Family and Life Span Development (3)
Prereq: jr. Synthesis of essential concepts useful in comprehending families in light of developmental concept for family analysis through stages of individual and family life cycle. Course offers a survey study of the life span set in the context of the family. 3 lec.

380 Death and Dying (4)
Prereq: jr. (spring) Examines why people fear death, how death affects family relationships, dynamics of grief and bereavement, meanings of death, processes of dying, disposition of body, caring relationships. Synthesizes multiple dimensions of death and dying. 4 lec.

399 Junior Practicum—Professional Development (5)
Prereq: C or better 299, jr. major. (spring) Provides students with practical field-based experience in professional areas. 3 lec, 6 lab.

400 Senior Seminar (3)
Prereq: 299, 399 or concurrent, perm. Provides opportunity for comprehensive assessment in relation to personal and professional growth prior to exiting programs as professionals in child development or family studies. 3 lec.

400A Senior Seminar: Family Studies (4)
Prereq: 399, jr. no credit if 400, perm. Provides students with an opportunity for comprehensive assessment, synthesis, and integration of knowledge and skills in relation to the Family Studies program, and personal and professional growth prior to exiting the program. In addition, will assist in preparation of the final internship placement and professional career. Approved Tier ill equivalent. 4 lec.

411 Evaluation in Child and Family Studies (3)
Prereq: sr. (arranged) Evaluation and assessment methods and techniques in relation to process and products in home economics programs and professions. 3 lec.

412 Adult Education in Human and Consumer Sciences (4)
Prereq: jr or sr. (winter, alt even yrs) Organization procedures, curriculum materials, and methods of conducting adult education programs in home economics. 4 lec.

452 Home Management for the Disabled Homemaker (4)
Prereq: jr or sr. (arranged) Recognizes unique home management demands faced by persons with disabilities and their families and determines creative methods and identifies resources to meet those demands. 4 lec.

453 Functional Assessment in Independent Living (3)
Prereq: jr. (arranged) Explores functional assets and limitations of persons with disabilities in completing household tasks, identifies methods and techniques in assessment of functional limitation, and determines resources and strategies to increase ability of clients to perform household tasks. 3 lec.

455 Curriculum and Teaching Strategies in Early Childhood (4)
Prereq: All methods courses. Synthesis of early childhood curriculum content, teaching strategies, and decision-making processes in curriculum development and implementation. Approved Tier ill equivalent. 4 lec.

455L Clinical: Curriculum and Teaching Strategies in Early Childhood (2)
Prereq: All methods courses. Supervised lesson planning and teaching in early childhood classrooms serving children age 3 to grade 3. Lab fee. 2 lab.

462A Diversity in Families (4)
Prereq: C or better 371. (fall) Analysis of emerging pluralistic marriage and family life patterns in American society. 4 lec.

462B Parenthood (4)
Prereq: C or better 371. (fall) Analysis of dynamics of parenthood. 4 lec.

462C Middle Childhood (4)
Prereq: C or better 371. (winter) Analysis of developmental tasks of middle childhood years as they reflect and influence family guidance and transmission of values. 4 lec.

462E Youth Identity Crisis (4)
Prereq: C or better 371. (spring) Analysis of identity crisis in terms of its psychosocial aspects of adolescence. 4 lec.

462F Family Ties and Aging (4)
Prereq: C or better 371. (spring) Synthesis of multiple dimensions of aged family. 4 lec.

463 Administration in Early Childhood (3)
Prereq: C or better 363. (spring) History, philosophy, and objectives of early childhood administration including current trends. Problems in organizing and administering early childhood programs, play groups, and Head Start programs with emphasis on housing, staff, schedules, and financing. 3 lec.

465 Parent Education (3)
Prereq: C or better 361, 371. (fall) Philosophy, techniques, materials, and methods used in working with parents. Opportunities for observation and participation with parent groups, parent conferences, and home visits. 3 lec.

467 Philosophy and Theories of Child Development (3)
Prereq: C or better 170, sr. (fall, alt yrs) Review of theories of child development with synthesis approach for students in early childhood education programs. 3 lec.

471 Family Life Education (4)
Prereq: C or better 351. (winter) History, philosophy, and objectives of family life education, including current trends. Selected fundamental education principles and materials. Examination of various dimensions of teacher’s role and critical appraisal of student’s professional competency to teach classes in family life education. 4 lec.

472 Special Studies in Child and Family Studies (2–5)
Prereq: perm. In-depth independent study in selected areas.

474 Student Teaching in Early Childhood (6–12)
Prereq: perm. Lab experience in planning, guiding, supervising, and evaluating preschool children’s growth and behavior in all phases of early childhood education programs.

499 Field Experience in Family Studies (12)
Prereq: 399, 400, perm. On-the-job training through cooperation with social, welfare, or community agencies, hospitals, early childhood programs.

Food, Nutrition and Hospitality (HCFN)

105 Introduction to Food Operations Management (1)
Prereq: perm. Acceptance as food service student. Overview of basic management concepts as they relate to the successful operation of a food service. 1 lec.

110 Introduction to Hospitality (4)
Prereq: fr or soph only. (fall, winter) Overview of restaurants, institutional food service, hotels, and travel and tourism. Exploration of different career possibilities in the hospitality industry. 4 lec.

120 Meal Management (3)
Prereq: Human & consumer science major (winter) Principles of food preparation and nutrition emphasizing use of time, energy, and resources in management of food service. Lab Fee. 3 lec.

128 Introduction to Nutrition (4) (2A)
Prereq: C or better 399, 400, perm. On-the-job training through cooperation with social, welfare, or community agencies, hospitals, early childhood programs.

222 Food Science and Principles (4)
Prereq: C or better 120; CHEM 121 or 151. (spring) Scientific approach to selection, preparation, and service of foods. Lab Fee. 3 lec.

232 Infant and Child Nutrition (4)
Prereq: 128, HCCF 166, or BUSS 273 or EDEL 200. (arranged) Dietary factors related to nutritional status in pregnancy, infancy, preschool, and school-age children. Contribution of nutrition education and school lunch program in school curriculum. 3 lec, 2 lab.

260A Lifespan Nutrition: Maternal to Adolescence (2)
Prereq: C or better in 128. Examination of nutritional needs and unique concerns in pregnancy, infancy, childhood, and adolescence. Principles of sound nutrition, as elucidated through current research, used to plan and implement recommendations for dietary change during these four stages of the life cycle. 2 lec.

260B Lifespan Nutrition: The Adult and Geriatric Years (1)
Prereq: C or better in 128. Examination of nutritional needs and unique concerns to foster achievement and maintenance of optimal health during the adult and older age periods of sound nutrition, as elucidated through current research, used to plan and implement recommendations for dietary change during these two stages of the life cycle. 1 lec.

275 Training in Hospitality (4)
Prereq: 110, no credit if COMS 421. Prepares students to direct and develop training programs that will prepare employees for new roles, redesign people practices to support and drive corporate culture of hospitality operations. 4 lec.

299B Sophomore Practicum—Professional Awareness (1)
Prereq: C or better 120, 126, COMS 101 or 103. (fall) Explores pluralistic marriage and family life patterns in the family. 1 lec.

299B Sophomore Practicum—Introduction to Food Service (4)
Prereq: C or better 120. Food science principles applied to quantity food production. Develop an understanding of food safety and sanitation, standardized recipes, and food service equipment. 4 lab.

330 Food Sanitation and Safety (2)
Prereq: 333 or concurrent. (fall) Applied food service sanitation procedures in the food handling functions of purchasing, storage, preparation, and service. Hazard Analysis Critical Control Points (HACCP) covered. On completion, students eligible for national and Ohio certification in Food Safety. 2 lec.

333 Principles of Quantity Food Production (2)
Prereq: C or better 128, 222, (fall) Food preparation principles applied to quantity food production, menu planning, recipe standardization, food cost, and service in institutions. Experience in residence dining halls. 2 lec.

334A Introduction to Food Production: Diets (2)
Prereq: C or better 330; 333 or concurrent. Application of principles of quantity food production. Experience in School of Human and Consumer Sciences commercial kitchen and cafe. Apply food safety and sanitation principles by participating in HACCP plan. Use standardized recipes and foodservice equipment in production of foods for service in Atrium Cafe. 6 lab.

334B Introduction to Food Production: Food Service (3)
Prereq: C or better 330, 333 or concurrent. Application of principles of quantity food production. Experience in School of Human and Consumer Sciences commercial kitchen and cafe. Apply food safety and sanitation principles by participating in HACCP plan. Use standardized recipes and foodservice equipment in production of foods for service in Atrium Cafe. 8 lab.

335 Food Service Purchasing (4)
Prereq: C or better 333, (spring) Managerial approach to the purchasing and selection of a wide variety of food, beverages, tableware, and related items. Emphasis placed on purchasing the optimal amount at the optimal price. Upon completion, students eligible for national certification in Food Purchasing. 4 lec.

340 Hospitality and Nutrition Study Tour (2–4)
Prereq: Max 5 hrs. Exposure to the latest trends, foods, and equipment in the hospitality industry.

360 Catering Practicum (1-3)
Prereq: Perm. Catering for special events that provide students the opportunity to apply
technical, conceptual, and interpersonal skills. Emphasis on group dynamics and management team functions. 3-9 lab.

361 Hotel Operations (4) 
Prereq: C or better in 222; CHEM 302; PSY 221. (spring) Factors which affect results of experience in restaurants, hotels, or other hospitality establishments. 4 lec.

362 Convention and Event Planning (4) 
Prereq: C or better in MKT 202; no credit if COMS 405. (fall) Examination of the factors affecting management of various operating departments of a hotel including: front office, housekeeping, food and beverage, sales and marketing, safety and security, and facility management. 4 lec.

382 Intermediate Nutrition (4) 
Prereq: C or better in 128, CHEM 123 or 153. (spring) Examination of the micronutrients from a scientific standpoint, including their metabolism, utilization at the cellular level, and their function as a part of the prevention of chronic disease and health maintenance. 4 lec.

399A Dietetics/Nutrition with Science Field Experience (5) 
Prereq: C or better in 299, 424, 499A, BIOS 345. (summer) Professional experience in hospitals, nursing care centers, community agencies providing nutrition care, government agencies charged with nutrition policy, or other direct nutrition providers under daily supervision of a Registered Dietitian (RD). 3 lec, 2 lab.

399B Food Service Field Experience (5) 
Prereq: C or better in 334. (summer) Professional experience in restaurants, hotels, or other hospitality establishments under the supervision of an experienced professional. 3 lec, 3 lab.

399D Hospitality Field Experience (16) 
Prereq: C or better in 333, perm. Professional experience in restaurants, hotels, or other hospitality establishments under the supervision of an experienced industry supervisor. 3 lec.

400A Dietetics Senior Seminar (1) 
Prereq: 390. Provides an opportunity for majors in dietetics and nutrition with science to demonstrate personal and professional growth by sharing work experiences in verbal and written form with staff and fellow students. 1 lec.

400B Food Service Seminar (1) 
Prereq: 399B. Provides an opportunity for food service management students to demonstrate personal and professional growth by sharing work experiences in verbal and written form with staff and fellow students. 1 lec.

400D Hospitality Seminar (3) 
Prereq: C or better in 398D, no credit if 400B and 498. Development of portfolios and case study reviews provide an opportunity for hospitality students to demonstrate personal and professional growth through reflection and career assessment. 3 lec.

422 Experimental Foods (4) 
Prereq: sr., C or better in 222; CHEM 302, PSY 221. (spring) Factors which affect results of different methods used in food preparation. Research techniques using subjective and objective evaluation of products. Approved Tier III equivalent. Lab fee $50. 3 lec, 3 lab.

424 Medical Nutrition Therapy I (4) 
Prereq: C or better in 382, BIOS 345 or concurrent. Medical nutrition therapy associated with the prevention and treatment of disease, including overweight/obesity, hyper tension, hyperlipidemia, diabetes, mellitus, and kidney disease. 4 lec.

426 World View of Nutrition (3) 
Prereq: C or better in 128; SOC 101 or ANTH 101; jr or sr. (winter) Survey of world food situation with consideration of environmental, cultural, govern mental, and economic factors that relate to food production and consumption. Evaluation of these patterns in meeting dietary needs. 3 lec.

427 Studies in Foods and Nutrition (2–4, max 8) 
Prereq: 122, 123. (arranged) Directed studies in some aspect of foods and/or nutrition; topics selected by students with approval of faculty member; frequent conferences.

428 Advanced Nutrition (4) 
Prereq: C or better in 382, BIOS 345, CHEM 302 (fall). Examination of the micronutrients from a scientific standpoint, including their metabolism, utilization at the cellular level, and recommended intake for the prevention of chronic disease and health maintenance. 4 lec.

429 Community Nutrition (3) 
Prereq: C or better in 128, 382, Jr. (spring) Assessment of community nutrition needs. Survey of agencies and programs providing services. Role of nutritionist. Methods and resources for nutrition education. Legislation. 3 lec.

430 Medical Nutrition Therapy II (4) 
Prereq: C or better in 429 or BIOS 345. (winter) Medical nutrition therapy associated with the prevention and treatment of disease, including gastrointestinal, pulmonary, and wasting diseases. Enteral and parenteral nutrition. 4 lec.

431 Studies of Science of Nutrition (1) 
Prereq: C or better in 428, BIOS 345 or 342 and 343; BIOS 463. (arranged) Nutrition as related to physiological and metabolic processes. Individual research project. 2 lab.

432 Research and Design Methods in Nutrition (3) 
Prereq: Concurrent with 330, PSY 212 or 221. Overview of research design and methodology with practical application to the fields of nutrition and dietetics. A group research project will be carried out. 2 lec, 3 lab.

437 Food Service Cost Control (4) 
Prereq: C or better in 333, CS 120, ACCT 102. (winter) Introduction to tools and functions of management in food service with emphasis on organization structure, inventory control, staffing, human relations skills, and cost control. 4 lec.

438 Management of Maintenance Systems in the Hospitality Industry (4) 
Prereq: C or better in 437. (spring) Institutional equipment purchasing, kitchen layout design, facilities management, and cost control. 4 lec.

439 International Cuisine (4) 
Prereq: C or better in 333, 437. (spring) Principles of international cuisine, advanced food preparation, and research of areas of specific interest. Special fee 2 lec, 4 lab.

440 Beverage Management (4) 
Prereq: C or better in 437 or concurrent. (winter) Managerial approach to beverage management in hotels, restaurants, and catering operations. Emphasis on facilities, merchandising, and managing a beverage operation. Upon completion, students eligible for national certification in Beverage Management. 4 lec.

441 Principles of Tourism (4) 
Prereq: 333 or REC 305. Exploration of major concepts in tourism, what makes tourism possible, and how tourism development can become an important economic influence on a region, state, or country. 4 lec.

442 Accounting in the Hospitality Industry (4) 
Prereq: 437, ACCT 102. Examination and application of managerial accounting principles in the hospitality industry. 4 lec.

443 Marketing for Hospitality and Tourism (4) 
Prereq: C or better in 333, MKT 202. Application of marketing principles and concepts for the hospitality and tourism industry. 4 lec.

466 Marketing for Hospitality and Tourism (4) 
Prereq: C or better in 128; SOC 101 or ANTH 101; jr or sr. (spring) Survey of world food situation with consideration of environmental, cultural, governmental, and economic factors that relate to food production and consumption. Evaluation of these patterns in meeting dietary needs. 3 lec.

479A–K Workshop in Human and Consumer Sciences (1–6) 
Sp. Special workshop on topics related to human and consumer sciences. 3 lec, 2 lab.

490A Family Studies and Community Education (3) 
Prereq: Fr or soph only. Opportunity to gain awareness of varied career choices as a family and consumer sciences education major and introduce students to workforce education for middle, high school and adult education. Emphasis on curriculum discussion, new trends in career/technical education and various resources. 2 lec.

490B Family Studies and Community Education (4) 
Prereq: HCCF 299, EDTE 200, 201, 202. Family and consumer sciences programs at junior and senior high school levels. Special emphasis on vocational education, curriculum development, evaluation procedures, and methods of teaching. 4 lec.

491A Understanding Play (4) 
Prereq: Jr. (winter) Investigation and analysis of current issues and concerns in human and consumer sciences professions. Emphasis placed upon developing variety of writing formats in order to communicate effectively with selected audiences. 4 lec.

492 Equipment (2–4) 
Prereq: 390. (arranged) Selection and use of household equipment including materials, construction, operation, and care.

495 Home Management (3) 
Prereq: soph. (arranged) Decision making applied to the use of family resources with purpose of creating family environment in which optimum human development will occur. 3 lec.

496 Home Management Laboratory (3) 
Prereq: soph. (arranged) Principles of decision making and management in group living situation. Home management house experience provided. 8 lab.

450 Problems in Teaching Home Economics (2–4, max 6) 
Prereq: perm. (arranged) Individual problems in teaching.

459 Human and Consumer Sciences Seminar, Workshop and Short Course in International Service (2–4) 
Special seminar or workshop for international students or for family and consumer sciences majors who want to prepare for international service.

479A Workshop in Human and Consumer Sciences (1–6) 
Special workshops on topics related to human and consumer sciences.

479A Home Economics Education 

479B Clothing and Textiles 

479C Food and Nutrition 

479D Child Development 

479E Consumer Economics 

479F Home Furnishings 

479G Home Management 

479H Household Equipment 

479I School Lunch Management 

479K Family Life Education 

490A–D Independent Study (2–5, max 15) 
Prereq: perm. Independent study, advanced level, under direction of faculty member in area of specialization.

490A Family Studies and Community Services 

490B Fashion and Retail Merchandising 

490C Interior Architecture 

490D Human Nutrition and Food Science 

491A Understanding Play (4) 
Prereq: HCCF 160 or EDTE 200. Study of selected play theory for purpose of developing recreation therapy programs. (No credit if REC 460 is taken.) 3 lec, 2 lab.

491B-F Seminar or Short Course in Human and Consumer Sciences (2–4) 
Advanced studies of research and recent developments in any of the five areas of family and consumer sciences.
Introduction to Residential Design and Color Theory (4)

A    Introduction to Residential Design
Courses / Human and Consumer Sciences
area of specialization.

and 4-dimensional explorations. Students must
finish es as related to space, form, and light. 2
elements of color for interior environments are
explored. Color is studied in terms of furnish-
ings characteristics, relationsh-
ips, and theories of color
phenomena, and the formal and expres-
sive aspects of color.

491E Textiles and Clothing
491C Home Economics Education
499H Honors Thesis in Human and

200 Beginning Computer-Aided Design (2)
Prereq: soph, jr or sr. The use of computer-
aided design to support the generation of
architectural floor plans, elevations, schedules and details in
construction documents. 2 lab.

201 Environmental Design Studio I (4)
Prereq: major, concurrent 201A. The use of computer-
aided design to support the generation of
architectural floor plans, elevations, schedules and details in
construction documents. 2 lab.

202 Environmental Design Studio II (4)
Prereq: 201, 201A, concurrent. The use of computer-
aided design to support the generation of
architectural floor plans, elevations, schedules and details in
construction documents. 2 lab.

202A Environmental Design Seminar II (2)
Prereq: 201, 201A. Discussion and presentation of
basic environmental design theories, concepts, and
skills as related to HCIA 202. Students must maintain a computer workstation in the
design studio for this course. This course must be taken concurrent with HCIA 202. 2 lec.

211 Problems in Environmental Design Studio I (4)
Prereq: perm, non-major, concurrent 211A. Investigation for the non-major of conceptual issues of the built environment with relation to digital and physical media in the design process. Emphasis placed on 3-dimensional and 4-
dimensional explorations. 8 lec.

211A Problems in Environmental Design Seminar I (2)
Prereq: perm, non-major. Discussion and presentation of design process theory and application as related to implementation of digital and physical media in the studio setting for non-
majors. This course must be taken concurrent with HCIA 211. 2 lec.

212 Problems in Environmental Design Studio II (2)
Prereq: perm, non-major. Investigation for the non-major of conceptual issues of the built environment with relation to digital and physical media in the design process. Emphasis placed on 3-dimensional and 4-
dimensional explorations. 8 lec.

279 Rendering and Presentation Techniques (4)
Prereq: 202. (fall) Emphasizes the rendering of
interior designs with light, shadow, materials, and interior architectural design using computer-
ad applications. Rendering and presentation techniques include per-
spectives, elevations, isometrics, and sketching in various color and black-and-white media. Final presentation techniques, such as 3D develop-
ment, lettering styles, and point size, are stressed. 2 lec, 4 lab.

288 Lighting Fundamentals (3)
Prereq: jr, pass portfolio review. (winter) Fundamental concepts of illumination. Examination of vision, light, color, tasks, and the environment. The impact of symbols, concepts, electrical systems, basic equations, and lighting cal-
culations. Exploration of light sources and controls. Study of physiological and psychological consider-
ations. 3 lec.

299 Professional Practices (2)
Prereq: major. (fall) Study of the field of interior design concentrating on career options and professional organizations. 2 lec.

300 Computer-Aided Design: Professional Applications (2)
Prereq: HCIA, HCRM, or HCRM major. Introduction of computer-aided design applications to support the generation of architectural floor plans, elevations, schedules and details in construction documents. 2 lec.

301 Interior Architecture Studio I (4)
Prereq: 202, 202A, concurrent. The use of computer-
aided design to support the generation of
architectural floor plans, elevations, schedules and details in
construction documents. 2 lec.

301A Interior Architecture Seminar I (2)
Prereq: major. Discussion and presentation of
topics, concepts, and skills related to 301. This
course must be taken concurrent with HCIA 301A. Students must maintain a computer workstation in the
studio for this course. Special fee $15. 8 lab.

301A Interior Architecture Seminar II (2)
Prereq: major. Discussion and presentation of
topics, concepts, and skills related to 301. This
course must be taken concurrent with HCIA 301A. Students must maintain a computer workstation in the
studio for this course. Special fee $15. 8 lab.

302 Interior Architecture Studio II (4)
Prereq: 202, 202A, concurrent. Intermediate studies in professional interior architecture
studio practices. Design investigations as related to research, analysis, theory, ideation and conceptualization, programming, schematic design, project evaluation and refinement, materials, finishes and detailing, furnishings, lighting, communication graphics, and formal presentation. This course is based on current and historical issues that may include commercial, institutional, and/or residential design typologies. Students must maintain a computer workstation in the studio for this course. Special fee $15. 8 lab.

302A Interior Architecture Seminar II (2)
Prereq: major. Discussion and presentation of
topics, concepts, and skills related to 302. This
course must be taken concurrent with HCIA 302. Students must maintain a computer workstation in the
studio for this course. 2 lec.

311 Problems in Interior Architecture I (4)
Prereq: perm, non-major, concurrent 311A, jr or sr. Investigation for the non-major of conceptual issues of the built environment with relation to digital and physical media in the studio setting for non-
majors. Emphasis placed on 3-dimensional and 4-
dimensional explorations. 8 lec.

311A Problems in Interior Architecture Seminar I (2)
Prereq: major, concurrent. Discussion and presentation of design process theory and application as related to implementation of digital and physical media in the studio setting for non-
majors. This course must be taken concurrent with HCIA 311A. 2 lec.

330 Cyberspace Design: Construction and Implementation of 3-Dimensional Digital Environments (5)
Prereq: 180, Exploration and design of 3-
dimensional cyberspace environments as related to the discipline of interior architecture. 2 lec., 8 lab.

340 Interior Design Computer-Aided Design (3)
(fall, winter) Investigation and development of computer applications to support the generation of
architectural floor plans, elevations, schedules and details in construction documents. 2 lec., 2 lab.

350 Materials Construction I (3)
Prereq: soph, jr, or sr. The use of material selection and application, construction systems, and building codes as related to interior architecture. Field trips to actual construction sites when available. 3 lec.

351 Materials Construction II (3)
Prereq: 350. Investigation of interior finishes and furnishings, fire performance, selection of materials, and material specifications. Field trips to actual construction sites when available. 3 lec.

352 Business Procedures and Contract Doc-
uments (3)
Prereq: 351. The use of material selection and application, construction systems, and building codes as related to interior architecture. 3 lec.

355 Materials Construction (3)
Prereq: 350. Investigation of interior finishes and furnishings, fire performance, selection of materials, and material specifications. Field trips to actual construction sites when available. 3 lec.

361 Professional Design Development and Construction Document Studio (4)
Prereq: 301, 301A or 302, 302A, concurrent. The use of computer-aided design applications to support the generation of architectural floor plans, elevations, schedules and details in construction documents. 2 lec.

361A Professional Design Development and Construction Document (2)
Prereq: 301, 301A or 302, 302A, concurrent. The use of computer-aided design applications to support the generation of architectural floor plans, elevations, schedules and details in construction documents. 2 lec.

385 Home Furnishings Workshop (4)
Prereq: 113, 180 or 6 hrs ART and perm. (arranged) Lab problems in advanced techniques in home furnishings, including upholstering, slip-covering, and refinishing furniture.
400 Senior Seminar—Professional Evaluation (1)
Coreq: 499 or concurrent. Provides opportunity for students to evaluate personal growth by sharing experiences in verbal and written form with faculty and fellow students.

401 Interior Architecture Studio III (4)
Prereq: 301 A, 301 B, 301C, 400A. Continuation of intermediate studio in professional interior architecture studio practices. Design investigations as related to the development of design and conceptualization, programming, schematic design, project evaluation and refinement, materials, finishes and detailing, furnishings, lighting, communication graphics, and formal presentation. Topics vary based on current social and aesthetic trends, institutional and/or residential design typologies. Students must maintain a computer workstation in the studio for this course. Special fee $15. 3 lab.

401A Interior Architecture Seminar III (2)
Prereq: 361, 361A. Discussion and presentation of theories, concepts, and skills related to 401. This course must be taken concurrent with HCS 401. Students must maintain a computer in the design studio for this course. 2 lab.

402 Interior Architecture Studio IV (4)
Prereq: 301 A, 301 B, 301C, 400A. Advanced professional studio for this course. Workspace in the studio for this course. Special fee $15. 5 lab.

402A Interior Architecture Seminar IV (2)
Prereq: 361, 361A. Discussion and presentation of theories, concepts, and skills related to 402. This course must be taken concurrent with HCS 402. Students must maintain a computer in the design studio for this course. 2 lab.

411 Problems in Interior Architecture II (4)
Prereq: permission of instructor. Advanced professional studio. Analysis of the discipline and professional practice. Topics to include a research project. 3 lab.

411A Problems in Interior Architecture (4)
Prereq: perm, non-major, Jr or Sr. Discussion and presentation of theories, concepts, and skills related to HCS 411. This course must be taken concurrent with HCS 411. 1 lab.

470 Research and Programming for Interior Architecture (3)
Prereq: 361, 361A, Sr. Research methodologies and programming as related to interior architecture. Related topics include behavior-environmental relationships, survey of precedents in design typologies, and foundations in design appropriate to a full-course work in this field. Work in this course is related to the development of project statement, program, research, and analysis for senior thesis project. 3 lab.

480 History of Furniture and Interior Design III (3)
Prereq: Jr. Study of the history of interiors, furnishings, decorative arts, and architecture of Europe and America (Early American through Victorian). 3 lab.

482 History of Furniture and Interior Design III (3)
Prereq: Jr. Study of the history of interiors, furnishings, decorative arts, and architecture of the twentieth century. 3 lab.

484 Advanced Interior Design Studio II (4)
Prereq: 281, .(winter) Investigation, design, and specification of materials and furnishings for hotels and restaurants. Lab experiences include executing plans, elevations, perspectives, cost estimates, rationalizations, and oral presentations. Special fee. 2 lab.

486 Advanced Interior Design Studio IV (4)
Prereq: 281, major. (spring) Investigation, design, and specification of materials for hotels and restaurants. Lab experiences include executing plans, elevations, perspectives, cost estimates, rationalizations, and oral presentations. Special fee. 1 lab.

495 Thesis Interior Architecture Studio (5)
Prereq: 402, 402A, 470. Independent research project and development as proposed in HCS 470. Project requires application of interdisciplinary knowledge. Student must maintain computer workstation in the design studio for this course. Tier III equivalent course. 10 lab.

499 Field Work—Interior Design (3-12)
Prereq: 280, 350A, 352. On-the-job training through cooperation with residential and commercial firms for interior design majors.

Retail Merchandising (HCRM)
150 Design and Illustration Techniques (4)
Prereq: 201, ECON 104, jr comp, sr only. Design and illustration techniques in relation to retail merchandising and promotion. 4 lec.

210 Introduction to Retailing (4)
Prereq: 117, soph, Tier I math. (arranged) Fundamental principles of retailing, consumer behavior, and retail functions. Emphasis on scientific thought, creative expression, and construction problems. 2 lab, 4 lec.

250 The Consumer in American Society (4)
Prereq: ECON 103 or soph. An analysis of basic components and operations of the economy in the United States as they affect the consumers. Current consumer issues, influences, restrictions of consumer choice, and consumer expenditures and resources which are available to consumers as they participate in decision making and consumption. 4 lec.

283 Apparel Production Process (4)
Prereq: 201 or 201A. On-demand examination of factors associated with apparel production and manufacturing, related to design, sizing, fit and apparel components. 4 lec.

299 Professional Development (4)
Prereq: soph, Jr or Sr. (winter) In-depth study of career opportunities and job responsibilities; assessment of personal and professional assets and needs. On-the-job mini-experience related to career option. 4 lec.

312 Studies in Clothing and Textiles (2-4, max 8)
Prereq: perm. Selected topic in clothing and textiles.

315 Elementary Textiles (4)
Prereq: soph, Tier I math. (fall, winter) Properties and processing of fibers, yarns, fabrics, dyes, and finishes. Workshop emphasis on consumer use. Lab Fee $15. 3 lec, 2 lab.

383 Product Development, Evaluation, and Distribution (4)
Prereq: C or better 201 or 283. Examination of the evaluation criteria for quality control of apparel, and related products. 4 lec.

399 Career Search Strategies (3)
Prereq: C or better in 299, major. (Fall) Job-seeking skills, company review, issues in professional development and occupational experience. 3 lec.

399A Retail Merchandising Field Work Experience (2)
Prereq: C or better in 399. Students seek and complete a field work experience in the retail industry for a total of 150 hours over a 5–10 week period (15–30 hours per week). Projects are related to the individual’s experience of the field. Emphasis is on reflection of the learning experience and its relationship to program goals.

399B Retail Sales Internship (4)
Prereq: C or better in 201. Internship in retail sales. Students seek and complete a field work in an area of retail selling. A minimum of 300 hours of work experiences, and standard testing period (37–40 hours per week). Projects are related to the learning experience and its relationship to program goals.

400 Internship Preparation (1)
Prereq: C or better in 399. Professional skills are evaluated, internship plans are discussed, and portfolios are reviewed. 1 lab.

405A History of Costume (4)
Prereq: jr. (winter) Costume through ages as reflection of historical period and source for present-day design. 4 lec.

405B History of Textiles (2)
Prereq: 315, (spring, even yrs) Textiles through ages as reflective of historical period and source for present-day design. 2 lec.

407 Global Issues in Textile, Apparel, and Retail Industries (4)
Prereq: C or better 201, ECON 104, Jr comp, Sr only. (Fall, winter) Economic factors influencing textile and fashion markets and their impact. 4 lec.

415 Flat Pattern (4)
Prereq: jg, (spring, odd yrs) Creative apparel design and interpretation with emphasis on flat pattern manipulation. 2 lec, 4 lab.

416 Draping (4)
Prereq: (arranged) Designing of apparel using draping techniques. Emphasis on fabric as medium rather than pattern development in design process.

417 Retail Merchandising—Management (4)
Prereq: 201; jr or Sr; CS 120 or MIS 101 or 2018 or HCS 340. (Fall, winter) Marketing and management principles related to buying and controlling of merchandise. Emphasis on organizational and managerial aspects of retailing, planning, buying, and controlling merchandise assortments. Retail mathematics principles included. 4 lec.

418 Quality Control for Apparel and Textiles (4)
Prereq: C or better 315; Sr. (spring) Principles, techniques and process of textile testing and clothing. Lab sessions emphasize standard textile testing procedures and research methods. 2 lec, 4 lab.

419 Studies in Textiles Testing (3)
Prereq: perm. Individual research and lab testing of problems in advanced textiles.

420 New York Study Tour (2)
Prereq: jr, (spring, alternate yrs) Directed study related to retailing and apparel industry in conjunction with on-site tours of textile and apparel market centers. Fees for travel, food and housing. Students receive credit (CR), not a letter grade.

423 Retail Merchandising—Promotional Strategy (4)
Prereq: C or better in 201, JOUR 250, 150 or ART 113 or 116 or HCS 181, Jr or Sr. Provides a broad understanding of the ways in which good, services, and ideas can be promoted within the retail industry. Emphasis on practical application, incorporates factors influencing retail promotional planning such as communication theory, corporate and store image, target markets, and competitive marketplace stance with the promotional mix components. 4 lec.

437 Strategic Merchandise Planning (4)
Prereq: C or better 417, (winter, spring) Advanced use of spreadsheets and merchandise mathematics incorporated into computer simulations of various
merchandising techniques. Topics include assortment planning, buying, personnel management, and inventory control. 4 lec.

454 Clothing for Persons with Special Needs (3) (arranged) Exploring dressing techniques and functional design alternatives for individuals with special needs. Focus given to populations such as elderly, physically, or mentally disabled, and temporarily or permanently disabled. 3 lec.

480 Strategic Retail Policy (4) Prereq: C or better 499. Capstone course serves as an intensive personal and professional assessment tool for prospective retailers. Projects lead to a completed professional portfolio. Approved Tier III equivalent. 4 lec.

499 Internship: Retail Merchandising (16) Prereq: major, sr., 400, 12 hrs. from 383, 407, 417, 423, 437, perm. On-the-job experience through cooperation with industry and/or retail establishments.

Humanities
See English.

Human Resource Management (HRM)

298 Internship (1) Prereq: perm. Internship experience that provides on-site exposure to general business operations and procedures. Intended for experiences following the freshman year.

320 Human Resource Management (4) Prereq: MGT 202 or MGT 240 or perm. Survey of human resource management practices in areas of human resource planning, recruitment, selection, training and development, performance appraisal, compensation, discipline, safety audit, and personnel research. Includes applications in employment law and discussion of interface of line and staff responsibilities in organization.

324 Advanced Concepts in Human Resource Management (4) Prereq: MGT 200 or 202 or 240. A course designed for students entering the HRM major. Topics covered include staffing, training and development, performance management, compensation and benefits, and employment relations. Also covered is the role of the HR manager as a contributing member of the management team and the strategic relationship of the HR function to the organization.

398 Internship (1–4) Prereq: perm. Internship experience that provides opportunities to learn by participating in day-to-day activities of a business concern for at least four consecutive weeks. Intended for experiences following the sophomore year.

425 Employee Relations (4) Prereq: MGT 200. Study of discretionary and mandatory employee relations issues such as discipline procedures, individual employment contracts, union contract administration, and alternative dispute resolution. Topics also include employee safety and health issues, and compliance with health and safety regulations.

430 Compensation Management and Human Resource Information Systems (4) Prereq: 320 or 324, or perm. Advanced study of compensation and the management of complex compensation systems. Topics will include job analysis, job evaluation, pay structure design and implementation, and performance-based pay. The role of information systems in the creation and administration of compensation systems will be addressed.

440 Training, Development, and Performance Management (4) Prereq: 320 or 324. Advanced study of strategic knowledge and performance management systems in organizations. Topics include design, delivery, and evaluation of training and strategic training initiatives. The design of employee performance assessment methods and implementation of proper feedback processes will be addressed.

450 Recruitment and Selection (4) Prereq: 320 or 324. Students will gain expertise in the design and application of strategic internal and external recruitment and selection methods, legal compliance and application to relevant issues such as downsizing, right sizing, reengineering, and outplacement.

455 International Human Resource Management (4) Prereq: HRM 320 or 324. Course exposes students to the management of human resources in foreign countries. Students will explore topics dealing with cultural issues associated with doing business in different countries. Recruiting, selecting, and motivating individuals in a foreign country, and the unique challenges of multinational human resource management will be studied.

460 Strategic Human Resource Management (4) Prereq: 430, 440, 450. Integrative course serving as capstone course. Students are expected to apply functional HRM knowledge to an understanding of how, through acting as internal change agents, HRM helps the organization achieve its strategic objectives. Current applications such as outsourcing and downsizing may be brought into focus. Tier III equivalent course.


497 Independent Research (1–4) Prereq: perm. Focus on research involving some human resource management topic. Topic selection and study are under direction of faculty member.

498 Internship (1–4) Prereq: perm.

Human Services Technology (HST)
The following courses for the A.A.S. in human services technology are available on the Chillicothe and Southern campuses.

100 Introduction to Human Services Technology (4) Comprehensive introduction to knowledge and skills required for successful human services work. Topics include history and issues in human services, philosophical models, methods of service delivery, professional roles, and others.

120 Crisis Intervention (3) Provides theoretical understanding and skill-based training in assessment and intervention strategies that are solution oriented and that may be applied to a variety of interventions.

150 Behavior Management I (3) Prereq: PSY 101 recommended. Examines applications behavioral principles and techniques to various human service settings. Emphasis on learning to objectively describe, measure, and analyze behavioral data. Ethical issues in behavior management discussed.

151 Behavior Management II (4) Prereq: 150. Continuation of 150, exploring additional applications of behavioral techniques in both individual and group settings. Practice provided in contingency contracting and designing token economy.

152 Behavior Management III (4) Prereq: 151. Continuation of 151 with emphasis on specific behavioral techniques such as progressive relaxation training and biofeedback. Discussion of cognitive methods of behavior change. Course also attempts to integrate use of behavioral techniques with other intervention approaches.

165 Intervention Strategies (4) Explores theories and current issues in counseling and intervention; also discusses methods for implementing outcomes, as well as values and ethical practice concerns.

170 Group Dynamics I (6) Prereq: PSY 101 recommended. Explores theories and issues current in group dynamics. Provides exercises to demonstrate applications of various theoretical positions. Also discusses methods for implementing groups and outcome evaluation.

171 Group Dynamics II (3) Prereq: 170. Continuation of 170 with emphasis on participation in variety of group exercises. Students involved both as participants and group leaders. Critical feedback and evaluation provided through videotaped group sessions.

175 Chemical Dependency (3) Explores the dynamics of substance abuse and chemical dependency, along with treatment models and intervention strategies.

190 Case Management (4) Introduction to the philosophy, goals, and methods of case management and its role in the fields of social and protective services, mental retardation/developmental disabilities, mental health, and corrections.

200 Personal Management (3) Examines management of one’s own behavior and positive relationship with others in social context. Emphasis on empathy and understanding through literature and/or other modes of communication.

210 Practicum I (2) Prereq: perm. Students will participate in 150 hrs supervised field experience at local agency or institution. Provides opportunity to gain practical training and experience under guidance and supervision of professional agency staff.


220 Practicum II (2) Prereq: 210. Provides additional opportunities to develop helping skills and to practice techniques learned in class. Students may opt for more intensive experiences at same agency as 210 or select another from those participating with HST program. 150 hrs required.

222 Practicum Seminar II (1) Opportunity for group discussion of special topics and problems related to student practicum experiences and professional development. Enrollment concurrent with 220.

250 Practicum III (2) Prereq: 220. Emphasis on the 150-hr practicum on continued skill development and broadening of experience. Students who have completed 210 and 220 at same agency expected to select another for final practicum.

255 Practicum Seminar III (1) Opportunity for group discussion of special topics and problems related to student practicum experiences and professional development. Enrollment concurrent with 250.

275 Community Resources (3) Prereq: soph or perm. Topics include basis of program planning; organizing community and local support for programs; researching potential funding sources. Development of grant writing skills including the areas of budget preparation and program evaluation.

290 Special Problems (1–4, max 10) Provides opportunity for students to explore topics of interest on individual basis, or in structured courses developed as common interests arise. Approval by the instructor may be necessary for advanced practicum experiences. May be repeated.

Indonesian/Malaysian
See Foreign Languages and Literatures.

Industrial Manufacturing Technology (IMT)
The following courses for the proposed A.A.S. in industrial manufacturing technology are available only on the Lancaster campus.

110 Applied Manufacturing Techniques (3) Comprehensive study of machine processes used in manufacturing with regard to selection, plant layout, and maintenance requirements. 2 lec, 2 lab.
115 Welding and Fabricating (3)
Welding and fabricating, including use of sheet metal fabricating. Covers gas and electric welding and cutting processes, as well as weld joint preparation and finishing. 1 lec, 4 lab.

117 Metal Machining I (3)
Prereq: 110. Basic operation and capabilities of conventional machine tools commonly used in the repair and maintenance of industrial equipment. 1 lec, 4 lab.

150 Machine Repair I (3)
The study of basic machine components used to build industrial machinery. Topics include gears and gear boxes, drivers, clutches, brakes, chains, couplings, and belts. This course includes a hands-on laboratory experience providing the student with the necessary skills to repair or replace these components in various types of machinery.

189 Special Topics (1-3, max 9)
Prereq: 110. Special topics that are current and relevant to the industrial maintenance field. May be repeated.

217 Metal Machining II (3)
Prereq: 117. Study and application of advanced metal machine tool practices, including the programming and operation of computer numerical controlled (CNC) milling equipment. 1 lec, 4 lab.

220 Basic Hydraulics and Pneumatics (4)
Application of hydraulic and pneumatic principles to common industrial control circuits, emphasizing maintenance of hardware and circuitry. 2 lec, 4 lab.

230 Tool Design (4)
Prereq: 117. Basic jig and fixture design. Relation to manufacturing processes, material requirements, gauging and cutting tools, with emphasis on repair and maintenance. 1 lec, 6 lab.

240 Materials and Material Testing (3)
Prereq: 110. Applications of materials used in manufacturing and design, including metals, plastics, ceramics, lubricants, coatings, and testing methods. 2 lec, 2 lab.

250 Machine Repair II (3)
Prereq: 150. Machine repair as it relates to industrial equipment, including replacement of machine components such as bearings, shafts, and other wearing parts. 1 lec, 4 lab.

275 Self-Directed Work Teams (4)
Industrial work teams and the methods used to make them work. Explores use of continuous improvement and project management as they relate to the team concept. Includes field trips to local companies utilizing these methods. 2 lec, 4 lab.

289 Independent Study (1-5, max 5)
Prereq: 110. Study of a particular topic pertinent to the industrial maintenance field under the direction of a faculty member. May be repeated. 1-5 lec, 2-8 lab.

290 Externship (4)
Prereq: 110, 115, 117, 220, 240, 250. Performance of industrial maintenance technician duties in a supervised, unpaid experience, working 20 hours/week with a local company. Efforts are made to rotate experience.

Industrial Technology (IT)

100 Introduction to Industrial Technology (1)
Introduction to career opportunities, job functions, and professional organizations in industrial technology. Discussion of curriculum and degree-approximate procedures. 1 lec.

101 Engineering Graphics Fundamentals (3)
Basic theory and practice in engineering drawing, covering technical drawing, orthographic projection, dimensioning, and auxiliary, section, and pictorial views. Lab activities include free-hand sketching and computer-aided design (CAD) using AutoCAD and SolidEdge software. 2 lec, 3 lab.

102 Engineering Graphics Applications (4)
Prereq: IT 101. Theory and practice of constructing three-dimensional geometric models using computer-aided design (CAD). Also includes geometric dimensioning and tolerancing, fasteners, and the integration of graphic documents into the industrial environment. Lab activities include development of drawings, detail, and assembly drawings. 2 lec, 4 lab.

103 Computer Applications in Industrial Technology (4)
Study of computer hardware and software including operating systems, word-processing, spreadsheet, business graphics, presentation, and Web application software. Lab exercises will stress common applications of software in engineering and technology and use of networks to share data among applications. 3 lec, 1 lab.

104 Architectural Drawing (5)
Prereq: interior design major or perm. Basic drawing techniques used in architectural drafting. Topics include orthographic, isometric projection, floor plans, interior elevations, and wall sections. 5 lec.

110 Introduction to Manufacturing Processes (4) (2A)
Survey of industrial materials and processes with applications to current manufactured consumer products. Emphasis is placed on generic processes such as forming and separating as applied to a variety of industrial materials. 4 lec.

111 Manufacturing Materials (4)
Survey of industrial materials used in manufacturing, including ferrous, nonferrous, polymeric, wood, elastomers, and composite materials. Analysis of relationships between product requirements and material characteristics. Includes strength of materials, alloying elements, heat treatment, and production processes. Emphasis is placed on basic chemical and/or crystalline structure of materials. Lab activities emphasize the selection of materials from vendors, determination of material properties, and comparison of various materials as a choice for design applications. 3 lec, 2 lab.

112 Introduction to Manufacturing (4)
Prereq: 101. Introduction to the workings of a manufacturing enterprise. Includes the study of planning, organizing, and controlling labor, material, equipment and tooling. Lab activities emphasize use of manufacturing documentation and tooling to produce quality products. 2 lec, 4 lab.

117 Basic Metal Machining (4)
Prereq: 101. Study and application of the machining processes used in manufacturing, emphasizing economic impact of design parameters. Includes process planning, machine tool set-up and operating procedures, metal cutting parameters, and machine tool capabilities. Also includes precision measurement and introduction to CAD/CAM (computer-aided design/computer-aided manufacturing) and nontraditional machining. Lab activities include analyzing physical properties of cutting equipment, and using traditional machine tools to produce parts. (No credit for both 117 and 216.) 2 lec, 4 lab.

201 Computer Graphics (4)
Prereq: 101, 102, 112. Study and application of advanced computer-aided design (CAD) and computer-aided engineering (CAE) systems using parametric modeling principles. Lab activities based upon commercial CAD/CAM software. 2 lec, 4 lab.

205 Geometric Dimensioning and Tolerancing (3)
Prereq: IT 102, 103, or IT 216. Advanced study. Theory and practice of geometric dimensioning as a precise engineering language to specify part geometry based on the function and relationship of assembled parts. Includes size tolerances, and all geometric characteristics. 4 lec.

206 Computer Methods in Industrial Technology (4)
Prereq: IT 103 or MS201 or CS210. IT 112, advanced standing. Study of the computer methods used to solve industrial and business problems. Emphasis is on developing solutions using common software. Topics include project management (Project), advanced spreadsheet modeling (Excel) ad database implementation (Access). 3 lec, 2 lab.

208 Industrial Plastics (4)
Prereq: 120, 112, 125. Study of the physical properties and applications of plastics used in manufacturing processes. Includes material properties and applications. Emphasis on major industrial processes including injection molding, extrusion, and thermoforming. Lab activities include material testing, process set-up and operation, and quality control. 2 lec, 4 lab.

215 Metal Casting (4)
Prereq: 102, 111, 112, advanced standing. Theory and practice of cast metals and foundry processes. Includes pattern design, pattern making, sand casting, chemical analysis, charge metal composition, flow analysis, and foundry-related documentation. Lab activities include sand casting and full mold casting of aluminum. 2 lec, 4 lab.

216 Metal Machining (4)
Prereq: 102, 111, 112, advanced standing. Study and application of machining processes in metalworking and in manufacturing, emphasizing shop floor management and problem solving. Includes process planning, machine tool set up and operating procedures, metal cutting parameters, and machine tool capabilities. Also includes precision measurement and tooling to computer numerical control (CNC) and nontraditional machining. Lab activities include analyzing parts and preparing to machine parts. (No credit for 117 and 216.) 2 lec, 4 lab.

217 Production Metal Machining (4)
Prereq: 206 and 216, advanced standing. Theory and practice of production techniques for metal machining using computer numeric controlled (CNC) machine tools, and electrical discharge machining (EDM). Includes part print analysis, process analysis and planning, quality assurance, factors, and computer-aided design and machining (CAD/CAM). Lab activities include analyzing parts and preparing to machine parts. 2 lec, 4 lab.

220 Aircraft Powerplants (4)
Prereq: Aviation management or flight major. Theory of operation of reciprocating engines and gas turbine engines for aircraft. Exposure to thermodynamics of flight. Engines include gas turbine, jet, shaft, and propeller propulsion machines. Also includes propulsion systems issues such as fuel, lubrication, air supply, and electrical systems. Lab activities provide experience in investigating actual hardware and software design of aircraft engine maintenance considerations. 3 lec, 2 lab.

221 Power Transmission (4)
Prereq: PHYS 201 or 251, advanced standing. Theory and application of physical principles associated with the use of mechanical, hydraulic, pneumatic, and electrical power in manufacturing. Includes gears, chains, couplings, clutches, pumps, cylinders, compressors, and electrical single and multiphase motors. Lab activities include working with gear systems, internal combustion engines, conveyors, motors, hydraulic and pneumatic systems. 3 lec, 2 lab.

222 Civil Engineering Graphics (3)
Prereq: 101, CE major. Theoretical applications of problems relating to true length lines, angle between a line and a plane, dihedral angles, and true size and shape of planes. Development of practical application drawings in the areas of property layout, road plan and profile, reinforced concrete retaining walls, environmental problems, and layout of water, storm sewer, and sanitary sewer utilities, and road sections. Includes use of computer-aided design (CAD) software. 2 lec, 3 lab.

230 Manufacturing Computer Technology (4)
Prereq: 206, advanced standing. Overview of hardware platforms, operating systems, networks, and applications used in manufacturing. Includes use of computers to support automated production machinery and equipment. Emphasis on designing, planning, developing proposals for, and implementing integrated computer production systems. Lab activities demonstrate the technology components presented in lecture. 3 lec, 2 lab.

Courses / Industrial Technology
231 Manufacturing Database Applications (4)  
Prereq: 206, advanced standing. Survey of database types and their applications in manufacturing. Includes principles of database design and implementation. Also includes introduction to e-commerce and the sharing of database information over the Internet. Activities include using Visio to design databases, developing graphical front-ends, and implementing typical manufacturing databases using commercial software. 3 lec, 2 lab.

303 Applications of Object Oriented Programming (4)  
Prereq: 206, advanced standing. Introduction to object oriented programming and rapid application development using Visual Basic as programing language. Lab activities emphasize the development of programs for various industrial technology applications, including the use of graphics and integration with other Windows-based programs. 3 lec, 2 lab.

309 Plastics Tooling (4)  
Prereq: 208, advanced standing. Study of tooling required for extrusion, injection molding, compression molding, thermo-forming, and other production processes used to produce plastic parts. Lab activities include design and construction of molds for plastic forming. 2 lec, 4 lab.

317 Superabrasive Machining (4)  
Prereq: 216, advanced standing. Study and application of industrial diamonds and cubic boron nitride tools for metal machining and grinding. Includes manufacture, identification, and selection of superabrasive tools. Lab activities include tool wear studies and economic analyses. 2 lec, 4 lab.

318 Computer Numerical Control (4)  
Prereq: 217, advanced standing. Advanced computer-aided design and computer-aided machining (CAD/CAM) for computer numerical control (CNC) machine tools. Lab activities emphasize mold design and construction on CAD/CAM software. 2 lec, 4 lab.

320 Hydraulics and Pneumatics (4)  
Prereq: 221, advanced standing. Application of hydraulic and pneumatic principles to common industrial uses for power transmission and mechanism control. Includes a study of hardware and circuitry. Lab activities include construction and testing of fluid power circuits. 2 lec, 4 lab.

332 Industrial Electronics (4)  
Prereq: 221, PHYS 202 or 252, advanced standing. Theoretical and practical application of fundamental concepts of DC and AC circuits. Includes measurement of DC and AC electrical parameters and operation of electronic output devices such as in transistors, operational amplifiers, AC and DC motors, solenoids, relays, and meters. Also includes Boolean logic used in digital circuits. Lab experiences include building, testing, and troubleshooting basic AC and DC electrical circuits. 3 lec, 2 lab.

337 Manufacturing Networks and Data Communications (4)  
Prereq: 230, 332, advanced standing. Theory and applications of communication technology used in manufacturing plants. Includes study of dedicated device communications, network communication protocols for interconnecting manufacturing equipment and computers, and specialized standards for communicating with controllers and shop floor data acquisition systems. 3 lec, 2 lab.

347 Plastics Molding Processes (4)  
Prereq: 208, 216, (CHEM 121 or 151), advanced standing. (Fall) In-depth analysis of selected molding processes including injection, blow molding, thermo-forming, fabrication, composite, and finishing processes. Includes part and mold design, material selection, process optimization, and manufacturing costs. Lab activities include mold building and testing and process optimization. 2 lec, 4 lab.

351 Production Tooling (4)  
Prereq: 208, 217, 218, advanced standing. Theory and practice of designing and constructing tooling to improve productivity and quality in various manufacturing applications. Lab activities include using computer-aided design (CAD) software to design work holding jigs and fixtures. Also includes construction and testing of jigs, fixtures, and gages. 2 lec, 4 lab.

354 Automatic Identification and Data Capture (4)  
Prereq: 231 and advanced standing. Study of methods and systems used to automatically identify objects including bar coding, optical character recognition, magnetic stripe, radio frequency identification and biometrics. Various industrial applications are studied, such as inventory, producing, order picking, and shipping/receiving. Lab experiences emphasize application of automatic identification technologies. 3 lec.

361 Product Design (4)  
Prereq: 102, 206, (208 or 216), advanced standing. Study of product design from concept to release for production, with emphasis on design for manufacturability. Lab activities include the design, development, and creation of mockups and prototypes. 3 lec, 2 lab.

362 Product Documentation (4)  
Prereq: 206 and (208 or 216 or 218), advanced standing. Theory and practice of documenting the objectives and outcomes of a manufacturing company using the international quality standard ISO 9000:2000. Also includes product configuration control and product data management (PDM). 4 lec.

363 Quality Assurance (4)  
Prereq: 206, 208, 216, 218, ENG 305J, and MATH 251 or QBA 217, advanced standing. Theory and practice of quality assurance principles in manufacturing. Includes statistical process control, process capability, gage capability, and quality management. 4 lec.

390 Industrial Materials (4)  
Prereq: 208, (CHEM 122 or 152), advanced standing. Advanced theory and application of common industrial materials. Includes examination of the behavior of ceramics, polymers, metals, and composites. 4 lec.

395 Industrial Work Experience (1)  
Prereq: perm, advanced standing. Credit for work experience related to B.S.I.T. degree. Minimum 10-week term of full-time employment required. Written report required. May be repeated for maximum of 3 credits.

400 Senior Seminar (1)  
Prereq: s.s., advanced standing. Discussion of projected employment opportunities, career enhancement activities, and professional development in industrial technology. 1 lec.

401 Computer-Aided Modeling (4)  
Prereq: 101. Study and application of computer-aided design parametric modeling software systems. Lab activities include the development of product models through reverse engineering, model analysis, rapid prototyping and model animation. Data transmission issues are also covered. 2 lec, 4 lab.

405 Dimensional Analysis (4)  
Prereq: 205. Study effects of general and geometric dimensioning on the form, fit, and function of an assembly of parts. Emphasis on solving assembly stack-up problems by manual calculation and computer simulation programs to determine clearance or interference between assembled components. 4 lec.

435 Industrial Instrumentation and Controls (4)  
Prereq: 303, 332, advanced standing. Theory and application of digital controls in manufacturing. Includes relay logic, and closed loop control theory using negative feedback. Introduction to sensors, signal conditioning, circuits, D-A and A-D conversion, and proportional-integral-Derivative (PID) control. Lab experiments include programmable logic controllers and control of mechanical, hydraulic, pneumatic and electrical systems. 3 lec, 2 lab.

436 Electronic Applications in Manufacturing (4)  
Prereq: 208, advanced standing. Study of practical applications of electronic control systems in manufacturing, including sensors, process control, packaging systems, assembly and material handling. Emphasis on analysis and improvement of existing applications. Lab activities focus on the integrated control of conveyors, robots, and machines. 3 lec, 2 lab.

452 Computer Integrated Manufacturing (4)  
Prereq: 351 or 354, advanced standing. Capstone course. Theory and application of concepts of enterprise-wide computer integrated manufacturing and manufacturing systems. Emphasis on design technology and software to optimize all business technical functions and operations in the manufacturing environment, including product design, order planning, enterprise resource planning (ERP), lean manufacturing and supply chain management (SCM). Product development lab activities include producing mockups, prototypes, and documentation for products to be manufactured in IT 462. IT 452 and 462 must be taken as a two quarter sequence. 3 lec, 2 lab.

462 Product Manufacturing (5)  
Prereq: 363, 452, advanced standing. Capstone course requiring students to use knowledge from previous technical and business courses to develop a manufacturing plan for a product. Includes production planning and control, resource planning, product cost considerations, facilities planning, and tooling design and construction. Lab activities include the implementation of the above plan including tool build, plant layout, and analysis. Introduction of product and process, and developing robotic work cells. 3 lec, 2 lab.

464 Robotic Applications (4)  
Prereq: 322, advanced standing. Theory and application of robots used in manufacturing. Includes classifications, sensors and feedback mechanisms, robot/computer communications, and programming. Also includes selection of robots based on task and economic criteria. Lab activities include on- and off-line programming of robots and developing robotic work cells. 3 lec, 2 lab.

483 Industrial Safety (3)  
Prereq: 217, advanced standing. Study of organized industrial safety programs, including historical and social perspectives. 3 lec.

484 Maintenance Systems (4)  
Prereq: 320 or 332, advanced standing. Study of organized industrial maintenance systems. Includes environmental control, structural, mechanical, and electrical requirements. 4 lec.

490 Special Investigations (1-4)  
Prereq: perm, advanced standing. Independent study, supervised by an instructor in an area under the direction of a faculty member.

491 Special Topics in Industrial Technology (1-5)  
Prereq: perm, advanced standing. Selected topics that are current and relevant to industrial technology. May be repeated.

Interdisciplinary Arts (IART)  
Offerings include courses in introduction to fine arts and history courses in individual content areas. IART 117 and 118 are provided for majors in the College of Fine Arts who wish to study the relationship of all the arts, and for all students in the University who wish to select courses with the basic purpose of understanding their cultural heritage.

These courses fulfill:  
1. Tier II requirements for majors in the College of Fine Arts.
2. Tier II requirements for students in other degree-college programs, or transfer students from other universities; and
3. State requirements for licensure in the College of Education.

117 Introduction to the Arts (4)  
Prereq: 322, advanced standing. Designed to develop and increase understanding of the relationship of the arts and society through an examination of subject, matter, form, and content in each art by means of a critical method of analysis. A variety of visual and performing arts
are covered. Opportunities for participation with the arts through lectures, technical demonstrations, campus field trips, and small-group discussions.

118 Introduction to the Arts (4) (2H)
Designed to develop and increase understanding of the relationship of the arts and the human spirit through an examination of subject, matter, form, and content in each art by means of a critical method of analysis. A variety of visual and performing arts are covered. Opportunities for participation with the arts through lectures, technical demonstrations, campus field trips, and small-group discussions.

150 Viewing Performance (2)
Integrates classroom and student life activities at the University by combining the productions of the Schools of Music, Dance, and Theater with a seminar course dealing with characteristics and artistic concerns of each medium. A two-hour seminar precedes and follows each of the performances. No credit to those with credit for DANC 150, MUS 150, or THAR 150.

211 History of Art (4) (2H)
Survey of Western painting, sculpture, and architecture from prehistoric to early Christian. Students advised but not required to enroll in 211, 212, and 213 in sequence. No credit to those with credit for AH 211.

212 History of Art (4) (2H)
Continuation of 211 from early Christian period of Europe through Renaissance. Students advised but not required to enroll in 211, 212, and 213 in sequence. No credit to those with credit for AH 212.

213 History of Art (4) (2H)
Continuation of 212 from Baroque to present. Students advised but not required to enroll in 211, 212, and 213 in sequence. No credit to those with credit for AH 213.

270 Theater History I (4) (2H)
Development of theater and drama in prehistoric, Greek, and Roman periods. No credit to those with credit for THAR 270.

271 Theater History II (4) (2H)
Development of theater and drama in Medieval and Renaissance periods. No credit to those with credit for THAR 271.

272 Theater History III (4) (2H)
Development of theater and drama from Renaissance to modern. No credit to those with credit for THAR 272.

320X Fine Arts—Florence (1–6)
Prereq: enrollment in OU Italy Program. (spring) Study of fine arts as seen and performed in city of Florence. Churches, museums, and galleries, along with theatrical and musical events, provide examples for study.

321 History and Literature of Music (3)
Prereq: MUS 103. R. Wetzel. History of music with survey of musical literature to 1450. No credit to those with credit for MUS 321.

322 History and Literature of Music (3)
Prereq: 321 or MUS 321. R. Wetzel. History of music with survey of musical literature, 1450–1720. No credit to those with credit for MUS 322.

323 History and Literature of Music (3)
Preq: 322 or MUS 322. R. Wetzel. History of music with survey of musical literature, 1720 to present. No credit to those with credit for MUS 323.

360J Writing in the Arts (4) (1J)
Preq: 117, 118; major in fine arts; or perm. Critical analyses of form, media, and content in fine arts stressing instruction in critical writing.

400 Senior Seminar: Comparative Arts (3)
Preq: fine arts or perm. Designed to increase insight of art majors into all fine arts. Specifically, to understand similarities and differences which exist among several arts through consideration of basic aesthetic concerns.

419 Great Masterworks (4)
Life, times, and works of at least two major artists within specified cultural period.

470 Tragedy (4)
Study of tragic genre through study of plays and critical and theoretical documents. No credit to those with credit for THAR 470.

471 Comedy (4)
Study of comic genre through examination of plays and critical and theoretical documents. No credit to those with credit for THAR 471.

472 Forms of Drama (4)
Study of genres of melodrama, farce, and tragi-comedies through examination of plays and critical and theoretical documents. No credit to those with credit for THAR 472.

481 Individual Problems (1–6)
Preq: perm.

International Studies (INST)
The following courses are available through the Center for International Studies. Four are interdisciplinary courses focusing on Africa (113), Asia (103), Europe (118), and Latin America (121). These courses, which provide an introduction to the regions, satisfy a science requirement, University General Education Tier II (Cross-Cultural Perspectives) requirements, as well as major and certificate requirements. In addition, 80 faculty members in various departments on campus teach more than 150 courses each year that relate to Africa, Asia, Latin America, and Europe.

103 Modern Asia (5) (2C)
Introduction to history, cultures, and current problems of civilizations of Asia. Interdisciplinary survey dealing with China, Japan, India, and Southeast Asia (Burma, Thailand, Vietnam, Cambodia, Laos, Malaysia, Singapore, Indonesia, and the Philippines).

113 Modern Africa (4) (2C)
Interdisciplinary introductory survey of Africa, its culture, history, and modern development. Disciplines include: anthropology, art, dance, economics, education, geography, history, linguistics, literature, and political science.

118 European Studies (4) (2S)
An interdisciplinary approach to European and European Studies through discussion of selected topics from perspectives of geography, history, politics, sociology, economics, literature, and the arts. Special emphasis is given to post-Cold War issues, problems, and developments.

121 Interdisciplinary Survey of Latin America (4) (2S)
Introduction to Latin America through geography, politics, sociology, economics, literature, and art. Special emphasis given to 20th Century issues, problems, and developments.

350 Focus on Malaysia (5)
Introduction to geographical, historical, demographic, cultural, and political settings of Malaysia within the wider context of Southeast Asia. A survey of the historical development of Malaysia with emphasis on the period from the Second World War. No credit for MUS 350.

490 Tun Razak Seminar: Southeast Asia Studies (5)
The Tun Razak Seminar is designed to enable the holder of the Tun Abdullah Razak Chair to present his or her particular specialization. This means the content of the course could be different from year to year, depending on the discipline of the holder. The focus of the course will be on Malaysia as well as other parts of Southeast Asia.

495 Internship (1–15)
This course is designed to allow for a practical experience in an international organization or corporation in the U.S. or abroad to complement the theoretical base supplied in area studies and comparative courses. The applied experience will allow you to see the practical way in which cross cultural issues and second language usage are manifested in a work environment. The internship experience will also allow you to identify personal learning goals that will enhance your career prospects.

*For degree requirements, see “International Studies” in the College of Arts and Sciences section.

Italian
See Foreign Languages and Literatures.

Japanese
See Foreign Languages and Literatures.

Journalism (JOUR)

101 Journalism and Society (4)
An overview of the nature, purposes, and influence of journalistic work within its social, political, economic, historical, and international contexts. No credit if JOUR 105 or TCOM 105 taken.

105 Introduction to Mass Communication (4) (2S)
All forms of mass communication, including newspapers, magazines, radio-television, books, advertising, public relations, advertising, and public opinion. Begins with analysis of communication process and moves with media and career opportunities. No credit if JOUR 101 or TCOM 105 taken.

133 Precision Language for Journalists (4)
Intensive drill in grammar, punctuation, syntax, and usage in contexts designed to prepare future journalists. Extensive attention to media examples. Diagnostic tests during first week place each student to work at own level, whether basic to prepare for beginning courses or more advanced for those who already show considerable ability but would like to sharpen language skills for advanced courses. No credit if 133A. Either 133A or 133B satisfies journalism core requirement.

133A Precision Language for Journalists (4)
Same as 133 except reserved for majors. No credit if taking 133. Either 133A or 133B satisfies journalism core requirement.

189 Journalism Workshop (1–4)
Workshop on selected topics of journalism and mass communication. May be repeated to total 6 hrs of credit.

221 Graphics of Communication (5)
Creative and practical aspects of typography, layout, and design of printed communication.

231 News Writing (4)
Preq: C or better in 133 or 133A. Methods of gathering and evaluating news and writing typical news stories. Practice work covering assignments and preparing copy. No credit if 231A. Either 231 or 231A satisfies journalism core requirement.

231A News Writing (4)
Same as 231, including same prerequisites, except reserved for majors. No credit if 231. Either 231 or 231A satisfies journalism core requirement.

233 Information Gathering (3)
Preq: C or better in 133 or 133A. Gathering of information by journalists and other mass communicators from various sources, such as interviewing sources, government documents, and research and business documents. Preparations communicators to conduct research and to assess and use material in media-related decision making.

250 Advertising Principles (4)
Major factors in development of advertising programs.

270 Introduction to Public Relations (3)
Preq: soph. Provides an overview of public relations, its history, development, practice, and application. Looks at the process of public relations, including the planning, implementation, and evaluation of public relations campaigns. Surveys research, strategies, and tactics used by public relations practitioners. Analysis of case studies.

311 History of American Journalism (4)
Preq: 233. Development of newspaper, magazine, and broadcast journalism from colonial period to present. Social, political, economic, and mechanical aspects.
314 Fundamentals of Online Journalism (4)  
Prereq: 221, 231, 233, or perm. Selecting, editing, writing, and formatting content for Web-based media. Evaluating and criticizing online journalistic practices.

321 Print Advertising and Layout (4)  
Prereq: 221, 231 or 231A, 250. See title.

331 Reporting Contemporary Issues (3)  
Prereq: 221 or 231A. Research, reading, and speech reporting on current social problems. Emphasis on analytical skills and ability to report in depth for mass audience.

332 Reporting Practice (2)  
Prereq: 231 or 231A, perm. Students develop news stories in city and sports reporting, along with features.

333 News Editing (4)  
Prereq: 221, C or better in 231 or 231A. Copyreading, headline writing, news selection, and layout of news pages.

334 Editing Practice (2)  
Prereq: 333, perm. Copyreading, handling of local correspondence, wire copy, and working out make-up problems.

340 Advertising Strategies (4)  
Prereq: 233 or 250. A case analysis approach to discovering techniques for solving advertising problems.

350 Radio Broadcast News (4)  
Prereq: 231 or 231A and 233. Intensive writing and reporting skills development for radio news broadcast.

352 TV Broadcast News (4)  
Prereq: 350. Intensive writing and reporting skills development for television news.

353 Broadcast News Practice (2)  
Prereq: 350. Preparation of news for broadcast. Students serve as assistants in newsroom of University’s broadcasting station or by special arrangement and perm, in other stations.

362 Community Newspapers (3)  
Prereq: 333 or perm. Editorial and business practices of suburban weeklies and dailies.

363 Reviewing and Criticism (3)  
Prereq: 231 or 231A and major, or perm. Written criticism of fine and popular arts. Special role of critic who serves both as reporter and evaluator of artistic works for lay audience.

370 Media Relations and Publicity (4)  
Prereq: C or better 221, 270, 333. Focus on publicity function of public relations and on skills in both public relations writing and media contact.

375 Advertising Media Planning and Buying (4)  

407 Electronic Publishing (4)  
Prereq: 221, 231 or 231A. Introduction to the production, design, and techniques of electronic publishing using a journalistic approach. Explores major software packages for electronic publishing using Macintosh computers and provides experience to develop a thorough knowledge of electronic publishing.

411 Communication Law (3)  
Prereq: C or better in 231 or 231A and 233, or perm. Principles and case studies in communication law, constitutional guarantees, libel, privacy, contempt, privilege, copyright, and government regulatory agencies.

412 Ethics, Mass Media, and Society (3)  
Prereq: sr. C or better in 411 or perm. Social responsibility of journalistic or other mass communicator. Professional codes, responsibility of media for social change, reaction to political and economic pressures.

415 Online Journalism Practice (3)  
Prereq: 314 or perm. Development and production of a news site incorporating audio, video, and text formats. Stress on news gathering and presentation skills in an online media environment. Repeat with perm. Max 6 hours.

416 Seminar in Online Journalism (3)  
Prereq: 314, 333. Introduction to ethical, theoretical, and societal issues of the Internet and online journalism. Digital divide and diversity, social impact of the Internet, and communicators’ new roles in a globally networked society.

418 Web Editing and Management (3)  
Prereq: 314. A problem-solving approach to creation and management of interactive features; evaluating effectiveness of Web sites; strategies and problems of site development.

419 Legal Issues of Online Journalism (3)  
Prereq: 314. Legal issues as they apply to online journalism.

420 Magazine Editing and Production (4)  
Prereq: 221, 233. Theory and techniques of magazine editing and production, including analysis of magazine industry and of specific magazines and audiences they serve. Editorial objectives and formulas, issue planning, article selection, layout, illustration, typography, printing, and distribution. Magazine project required.

431 Magazine Production Practice (3)  
Prereq: 430, 441. Practice course on E.W. Scripps School of Journalism’s quarterly lab magazine. Each student assigned specific responsibilities in magazine editing, production, advertising, and circulation.

432 Specialized Business Magazines (4)  
Prereq: 221 or perm. In-depth study of professional, business, technical, and industrial magazines. Consideration of various types of publishing problems, usually as case studies.

435 Advanced Editing (3)  
Prereq: 333. Edit content on deadline for Athens.com and its affiliated publications. Work with professional copy editors across the state to broaden perspectives on the craft of news editing.

441J Magazine Feature Writing (4)  
Prereq: 231 or 231A, 233 or perm. Writing and marketing factual magazine feature articles of various types. Finding subjects, securing photographs, writing articles, and surveying markets.

442 Advanced Magazine Feature Writing (3)  
Prereq: 441. Writing and marketing magazine articles. Emphasis on specialized markets.

450 Advertising Copy Writing (3)  
Prereq: 221, 231 or 231A, 250. Effective persuasion in advertising media.

452 Broadcast News Producing (4)  

455 Seminar in Broadcast News (3)  
Prereq: 350, 352. Discussion of problems—operational, social, economic, legal, and ethical—faced by broadcasters reporting public affairs.

458 TV News Practicum (4)  
Prereq: 352. Practicum in preparation and presentation of TV newscast. Students select news material, including video, format, and script for newscast, then deliver on air. Students will rotate through various levels of TV newscast and stage and learn the practices of on-air newscasts. Students also appear on air and assume management responsibilities.

459 Advanced TV News Practicum (3)  
Prereq: 452, 458. Advanced practicum in preparation and presentation of TV newscast. Students involved in selecting, editing, scripting, and formatting for on-air newscasts. Students also appear on air and assume management responsibilities.

461 Specialized Journalism (3)  
Prereq: sr and perm. Seminar approach to individual study of journalistic areas of special interest to individual students.

464 Reporting of Public Affairs (3)  
Prereq: 231 or 231A, sr, major, or perm. Problems of preparing in-depth, interpretive, and analytical reports on public affairs for mass media, with practice in writing such reports. Focus mostly on contemporary issues.

465 The Editorial Page (3)  
Prereq: 233, sr, major, or perm. Problems of content, selection, and presentation of opinion on editorial page. Extensive writing of analytical and persuasive editorials and in-depth interpretive articles.

466 International Mass Media (4)  
Prereq: sr. Development and operations of world mass communication channels and agencies. Comparative analysis of media, media practices, and flows of news throughout world. Relation of communication practices to international affairs and understanding.

467 Foreign Correspondence (4)  
Prereq: 231 or 231A, or perm. Role of foreign correspondent in news gathering. History, scope, techniques.

468 Column Writing (3)  
Prereq: 231 or 231A. The study of newspaper columnists, past and present, with extensive writing of various kinds of columns.

470 Sportswriting (3)  
Prereq: 231 or 231A. A look at sportswriting from lead to 30—the good, the bad, and the ugly of life in a sports press box.

471 Public Relations Principles (4)  
Prereq: 270, sr, and PR major or perm. Using contemporary case studies, all aspects of public relations are studied and analyzed in group discussions and written projects. Heavy emphasis on participation in class discussions.

472 Advanced Public Relations (4)  
Prereq: 471 or perm. Planning public relations programs and projects, including selection of audiences, messages, and media, and evaluation of effects. Project in area of student’s interest.

475 Advanced Advertising Media Planning and Buying (4)  
Prereq: 250, 375, Jr. Media theories appropriate in specific client advertising situations. Use of computer software for solving media problems. Review, creation, and testing of quantitative and qualitative media models. Advanced work in media objectives, strategy, tests, and execution of media plans and evaluation.

476 Advertising Research (4)  
Prereq: 233, 250. Original research in advertising, research methods and procedures, and syndicated/secondary research.

477 Promotional Media (4)  
Prereq: 375. Overview and professional projects concerning media sales and promotion management. Development of advertising promotion plan and professional advertising sales presentations.

479 Computer Assisted Reporting (3)  
Prereq: 231, 232 or 464. Advanced class designed to introduce fundamentals of computer assisted reporting, specifically using database analysis.

481 Newspaper Management (3)  
Prereq: 333. Problems in publishing affecting all departments.

482 Advertising Management (4)  
Prereq: 340 and additional 8 advertising hrs. See title.

484 Supervising School Publications (4)  
Prereq: 12 hrs or perm. Conference course for prospective advisors of school newspapers, yearbooks, magazines, and other publications. Purposes and functions, legal aspects, staff selection, content, copy, layout, production, printing, advertising, photography, business.

485 Journalism in the Secondary School Curriculum (4)  
Prereq: 9 hrs of journalism. Internship study and analysis of appropriate content for high school journalism courses. Planning course outlines and curricula.

486 Advertising Campaigns (5)  
Prereq: 375, 450, and 8 additional advertising hrs. Capstone course in advertising sequence to provide thorough understanding of basic elements of advertising campaigns. Includes creation of campaign.