

490. Independent Study
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Not open to freshmen and sophomores. Approval of department.
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

492. Senior Seminar
Spring. 2(2-0)
P: THR 341, 15 credits in Theatre. R: Open only to seniors in Theatre.
Contemporary theatre, dance, and performance theory and practice.

494. Performance Tour
Fall, Spring. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Acceptance into cast of touring production.
Rehearsal for and participation in the various departmental touring productions.

800. Theatre Research Methodology
Fall. 3(3-0)
R: Open only to graduate students in Theatre.
Research techniques appropriate to theatre. Library resources.

801. Practicum in Theatre Arts: Acting
Fall, Spring. 3 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
R: Open only to graduate students in Theatre.
Acting skills and techniques, including improvisation and Stanislavskian techniques.

802. Stage Voice
Fall. 2 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to graduate students in Theatre.
Principles and exercises for developing the speaking voice. Application to selected dramatic texts.

803. Acting Theory
Spring of even-numbered years. 3(3-0)
R: Open only to graduate students in Theatre.
Theories, processes, techniques, and styles of acting set forth in the writings of prominent performers, teachers and critics.

811. Problems in Theatre Design
Spring. 3(2-2) A student may earn a maximum of 15 credits in all enrollments for this course.
R: Open only to graduate students in Theatre.
Approaches to design problems in costumes, scenery, lighting, architecture, properties, or sound.

812. 20th Century Theatrical Design
Fall of odd-numbered years. 3(3-0)
R: Open only to graduate students in Theatre.
Scenic design concepts of 20th century through selected work of Appia, Craig, and others.

813. Period Resources for Directors and Designers
Fall of even-numbered years. 3(3-0)
R: Open only to graduate students in Theatre.
Methodology for researching historical customs and artifacts that directors and designers adapt for use in sets, props, costumes, and directing.

831. Studies in Theatre History
Fall of odd-numbered years, Spring of odd-numbered years. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course.
R: Open only to graduate students in Theatre.
Selected periods and genres of world theatre history. Theatre as cultural expression and as performance art. Topics vary.

832. Studies in Comparative Theatre and Drama
Fall, Spring. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course.
Interdepartmental with English.
Comparative study of selected playwrights, developments, movements, and trends in world drama from their beginnings to the present.

833. Dramatic Theory and Criticism
Fall. 3(3-0)
P: THR 800 or approval of department. R: Open only to graduate students in Theatre.
Critical and theoretical texts on drama from the early Greeks to the present.

841. Advanced Directing Practices
Spring of even-numbered years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to graduate students in Theatre.
Directing theory and practice in contemporary theatre, including research and experimentation.

890. Independent Study
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to graduate students in Theatre or approval of department.
Special projects, directed reading, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.

894. Special Projects in Theatre
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Open only to graduate students in Theatre. Approval of department.
Special projects related to specific assignments in acting, directing, or design in departmentally approved production.

899. Master's Thesis Research
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course.
R: Open only to graduate students in Theatre.
Directed research leading to a master's thesis, used in partial fulfillment of Plan A master's degree requirements.

990. Doctoral Independent Study
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course.
R: Open only to graduate students in Theatre or approval of department.
Special projects, directed reading, and research arranged by an individual doctoral student and a faculty member in areas supplementing the regular course offerings.

999. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 99 credits in all enrollments for this course.
R: Open only to doctoral students in Theatre.

TRANSCOLLEGIATE COURSES

TCC

Office of the Provost

289. Civilizations, Food Crops and the Environment (D)
Fall, Spring. 3(3-0)
P: IAH 201, one 200-level ISS course, one ISB or ISP course. R: Not open to freshmen.
Role of the major food crops in the survival of civilizations and cultures from the past to the present, and the resulting environmental impacts.

301. Issues in the Information Society
Fall, Spring. 3(2-2)
P: One IAH course, one ISB course or one ISP course, one ISS course. R: Not open to freshmen and sophomores.
Integration of social, economic, technological, and public policy issues raised by the spread of information technologies and services in a post-industrial society.

302. Science, Technology and Values
Fall. 3(3-0)
P: Completion of Tier I writing requirement. Two IAH courses, one ISB course, one ISP course, two ISS courses. R: Open only to juniors and seniors.
The relationship of science to social and value issues. Rational decision-making utilizing scientific information. Controversies involving scientific findings concerning human nature.

303. Scientific Rationality and Cultural Relativism (D)
Spring. 3(3-0)
P: Completion of Tier I writing requirement, two IAH courses, one ISB course, one ISP course, two ISS courses. R: Open only to juniors and seniors.
Conflicting conceptions of rationality embodied in the theory and practice of contemporary sciences and humanities. The historical roots of scientific rationality and implications for questions of cultural diversity.

304. Energy, the Environment and Human Development
Fall, Spring. 3(3-0)
P: One ISB course, one ISP course. R: Open only to juniors and seniors.
Basic physics. Sources of energy, energy expenditure, and environmental effects. International energy strategies.

305. Growing Up and Coming of Age in Three Societies (D)
Fall, Spring, Summer. 3(3-0)
P: One IAH course, one ISS course, completion of Tier I writing requirement. R: Not open to freshmen and sophomores.
Diverse disciplinary and cultural perspectives of childhood and youth. Continuity and change in families and schools. Factors such as ethnicity, race, gender, and political philosophies. Focus on three contrasting societies.

306. Origins
Fall. 3(3-0)
P: One IAH course, one ISS course, one ISB or ISP course. R: Open only to juniors and seniors. Completion of Tier I writing requirement.
Archaeological approaches to major developments in human history. Topics include: origins of life; origins of culture, technology, religion, food production, art, writing, complex societies, and industrialization.

**Descriptions — Transcollegiate Courses
of
Courses**

307. Feminist Perspectives on Women in Culture and Society
Fall. 3(3-0)
P: One IAH course, one ISB course, one ISP course, one ISS course. R: Open only to juniors and seniors. Feminist perspectives on women and gender involving questions of gender diversity and socialization, political movements, sexual orientation, work, and feminist theories.

310. Nutrition and Food Choices: Decisions and Dilemmas
Spring. 3(3-0)
P: One IAH course, one ISB course or one ISP course, one ISS course. R: Not open to freshmen. Nutritional issues and food choices from the individual level to the global level. Influence of science, history, values, culture, ethics, and political and social systems on nutritional options and food choices.

315. The Black African Diaspora and World Civilization
Spring. 3(3-0)
P: One IAH course, one ISS course. R: Not open to freshmen and sophomores. Completion of Tier I writing requirement. Demography, history, and culture of the Black African Diaspora. Relation of that Diaspora to Africa. Cultural and material strategies for survival. Heritage of domination and oppression and geo-social mobility. Displacement and migration.

321. The Science of Sound from Pythagoras to Digital
Fall, Spring. 3(3-0)
P: Completion of Tier I writing requirement. Two IAH courses, one ISB course, one ISP course, two ISS courses. Introduction to acoustics emphasizing basic physical, physiological, and psychological principles with application to speech, communications, musical instruments, room acoustics, and analog and digital audio.

350. Land and Society
Fall, Spring. 3(3-0)
P: IAH 201, one ISS course. R: Open only to juniors and seniors. Completion of Tier I writing requirement. Environmental impact of decisions by individuals, communities, and societies on use of land resources in production and utilization of food, fiber, and fuel.

356. The Impact of the Automobile
Fall. 3(3-0)
P: Completion of one IAH course, one ISS course, and one ISB or ISP course. R: Open only to juniors and seniors. The automobile as a primary influence on society in the twentieth century: changes in economics, technology, land use, energy sources, environmental quality, and family and individual values.

323. Site Design for Planners and Developers
Fall. 2 credits.
P: UP 231. R: Open only to students in the College of Social Science. Designing a site for a development project: soils, drainage, elevations, view, topography, utilities, wetlands, and other elements.

313. Introduction to Data Analysis for Urban and Regional Planners
Fall. 3(2-2) Interdepartmental with Geography.
P: CPS 101 or CPS 131; UP 201. Data gathering analysis, information presentation, and basic techniques of urban planning. Application of related computer programs and software.

314. Methods for Investigation of Urban Systems
Spring. 3(2-2) Interdepartmental with Geography.
P: UP 313. Models, approaches, and techniques for urban and regional problem analysis and plan formulation.

323. Land and Environmental Planning
Fall. 3(3-0)
P: UP 201. Principles and techniques of environmental and land use planning. Environmentally sensitive management of growth and change at both urban and regional levels.

334. Real Estate Project Design
Spring. 4(2-4)
P: UP 233. Subdivision design, criteria, and standards. Integrating activities, structures, and spaces on parcels of varying sizes and configurations.

344. Ethics and Politics in Planning (W)
Spring. 3(3-0)
P: UP 201. R: Completion of Tier I writing requirement. Political impact of community decision-making on planning. Ethics and values of professional practice.

354. Local Economic Planning
Spring. 3(3-0)
P: UP 201, EC 201 or approval of department. The economic component of comprehensive community planning. Taxation and services delivery. Fiscal health and physical and social development of a community.

400. Special Topics in Urban Planning
Fall of odd-numbered years. 2 to 4 credits.
R: Open only to juniors and seniors in Urban and Regional Planning. Issues and problems in contemporary urban planning.

408. Comparative Urban Development Planning
Spring. 3(3-0)
P: UP 201. R: Open only to majors in Urban and Regional Planning, or Urban and Regional Planning-Urban Studies. Community planning concepts and practices, tools and techniques in different countries. Case studies.

413. Urban Geography
Fall. 3(3-0) Interdepartmental with Geography. Administered by Geography.
P: GEO 113. R: Not open to freshmen and sophomores. Theories and models of urban spatial form. Underlying structures and processes. Socio-spatial dimensions of modern urbanism. Differentiation and locational conflict in residential, commercial, and industrial space.

414. Geography of Transportation
Fall of odd-numbered years. 3(3-0) Interdepartmental with Geography. Administered by Geography.
P: GEO 113. R: Not open to freshmen. Spatial principles of transportation. Theories of interaction, network structures, and location-allocation models. Role of transport and transport planning.

415. Location Theory and Land Use Analysis
Fall. 3(3-0) Interdepartmental with Geography. Administered by Geography.
P: GEO 113. R: Not open to freshmen. Classical and neoclassical, static and dynamic models of industrial location and spatial organization. Land rent theory. Central place theory. Multi-locational organization. Growth transmission.

417. Information Systems and Program Evaluation in Urban Planning
Fall. 3(2-2)
P: UP 314 or approval of department. R: Open only to majors in Urban and Regional Planning, or Urban and Regional Planning-Urban Studies or Public Administration. Systems and methods for surveillance, monitoring, management and evaluation of development projects, social programs and public policies.

418. The Ghetto
Fall of odd-numbered years. 3(3-0) Interdepartmental with Geography. Administered by Geography.
P: GEO 413 or SOC 375 or UP 201 or ISS 320 or MC 343 or MC 384 or approval of department. R: Not open to freshmen and sophomores. Analysis of the ghetto including its spatial organization and structure. Distribution of racial and ethnic populations. Emphasis on U.S. cities.

425. Geographic Information Systems
Spring. 4(3-2) Interdepartmental with Geography. Administered by Geography.
P: GEO 221. Technical and theoretical issues in the design, evaluation, and implementation of geographic information systems for research and application.

427. Mine Land Reclamation Planning
Fall of odd-numbered years. 3(3-0)
P: UP 334. R: Open only to majors in Urban and Regional Planning or Urban and Regional Planning-Urban Studies or Landscape Architecture or Resource Development or Resource Development-Urban Studies. Issues, procedures, and opportunities in mine land reclamation.

428. Principles of Regional Planning
Fall. 3(3-0)
P: GEO 113 or UP 201. R: Not open to freshmen and sophomores. Principles and theoretical issues of regional planning. Applied spatial analysis techniques. Policies and procedures.

437. Urban Design
Fall of even-numbered years. 3(1-4)
P: UP 334 or LA 473 concurrently. R: Not open to freshmen and sophomores. Urban design theory and application of physical design principles at various scales. Design of urban open space systems, building groupings, urban linkage, and site details in studio projects.

URBAN PLANNING UP

**Department of Geography
College of Social Science**

201. The Role of Planning in Urban and Regional Development
Fall. 3(3-0)
Contemporary urban issues, historical contexts, and the role of planning in the solutions of the problems faced by cities and their surrounding regions.

231. Presentation Techniques
Fall. 2 credits.
R: Open only to students in College of Social Science. Not open to students with credit in LA 220. Uses of graphic, photographic, video, and computer generated media to make presentations to clients and community groups.