

## Telecommunication—TC

- 890 Independent Study**  
Fall, Spring, Summer. 1 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 Telecommunication. Approval of department; application required.  
Individualized study under faculty supervision.
- 891 Special Topics in Telecommunication**  
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate students in the College of Communication Arts and Sciences or approval of department.  
Contemporary issues. Topics vary.
- 899 Master's Thesis Research**  
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to graduate students in Telecommunication. Approval of department.  
Master's thesis research.
- 916 Qualitative Research Methods**  
Spring. 3(3-0) Interdepartmental with Journalism; Advertising. Administered by School of Journalism. R: Open only to Ph.D. students in Mass Media and Communication. SA: ADV 916, JRN 916  
Qualitative research in mass and specialized communication systems. Topics include documentary, bibliographic, case study and participant observation methods.
- 921 Media Theory**  
Fall. 3(3-0) Interdepartmental with Advertising; Journalism. Administered by Department of Advertising. R: Open only to Ph.D. students in Mass Media and Communication.  
Process and effects of mediated communication. Audiences, socialization, and persuasion. Macro-societal, and intercultural perspectives. Theory construction.
- 930 Law and Public Policy of the Media**  
Fall. 3(3-0) Interdepartmental with Journalism; Advertising. Administered by School of Journalism. R: Open only to Ph.D. students in Mass Media. SA: ADV 930, JRN 930  
Philosophical, legal, political, and statutory principles underlying law and public policy applied to media. Selected issues involving constitutional law, common law, statutes, and administrative policy.
- 960 Media and Technology**  
Spring. 3(3-0) Interdepartmental with Advertising; Journalism. R: Open only to Ph.D. students in Communication Arts and Sciences-Mass Media or Communication or approval of department.  
Theoretical frameworks concerning media and communication processes, and their interactions with technology. Social, organizational, critical, and economic perspectives.
- 965 Media Economics**  
Spring. 3(3-0) Interdepartmental with Advertising; Journalism. R: Open only to Ph.D. students in Communication Arts and Sciences-Mass Media or Communication or approval of department.  
Economic theory and analysis relevant to the mass media. Economic structure and performance of mass media and advertising industries. Competition among media and within related industries.

- 975 Quantitative Research Design**  
Fall. 3(3-0) Interdepartmental with Advertising; Journalism. Administered by Department of Advertising. RB: One graduate-level research design or statistics course. R: Open only to Ph.D. students in Mass Media.  
Survey, experimental and content-analytic techniques applied to the study of media. Academic and applied research methods. Univariate and multivariate techniques.

## THEATRE

### Department of Theatre College of Arts and Letters

- 101 Acting I**  
Fall, Spring. 3(2-2)  
Improvisational exercises, creative exercises, monologue and scene study.
- 110 Theatrical Play Analysis**  
Fall, Spring. 3(3-0)  
Play study in relation to theatrical production.
- 211 Production Design: Scenery and Lighting**  
Fall, Spring. 3(0-6)  
Technical aspects of the design and construction of stage scenery and lighting.
- 212 Production Design: Costumes, Props and Makeup**  
Fall, Spring. 3(0-6)  
Technical aspects of the design and construction of stage costumes and props. Materials and techniques related to theatrical makeup.
- 290 Independent Study**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.  
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
- 300B Production**  
Fall, Spring, Summer. 1(0-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department.  
Assisting with box office, publicity, costume shop, scene shop, or running crew for department productions.
- 301 Contemporary Acting I**  
Spring. 3(0-6) RB: (THR 101) R: Open only to students in the Department of Theatre or approval of department.  
Intensive practicum including scene study, rehearsal and performance of works by twentieth century playwrights.
- 302 Classical Acting**  
Fall. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (THR 101) R: Open only to students in the Department of Theatre. SA: THR 302A, THR 302B  
Experience in classical acting utilizing Greek, Elizabethan and Restoration texts.

## THR

- 310 Acting for Non-majors**  
Fall, Spring. 3(2-2) RB: (THR 101) R: Not open to students in the Department of Theatre.  
Emphasis on vocal interpretation and characterization. Department play attendance required.
- 311 Production Practicum**  
Fall, Spring. 5(0-10) P:M: (THR 211 and THR 212)  
Intensive experience participating in the production program of the department.
- 312 Design Media and Techniques**  
Spring of even years. 3(2-2) RB: (THR 211 or THR 212)  
Rendering and design techniques for effective costume and scenic design.
- 341 Beginning Play Directing**  
Fall, Spring. 3(0-6) P:M: (THR 101 and THR 311 and THR 110)  
Intensive practicum in concepts and techniques of stage directing. Stage design, movement, tableaux, and analysis.
- 350 Plays as Film**  
Fall of even years. 3(2-2)  
Comparison of plays and musicals that are also films, with emphasis on structural changes from the play to film.
- 401 Contemporary Acting II**  
Spring. 3(0-6) RB: (THR 301 Or THR 302) R: Open only to students in the Department of Theatre.  
Intensive practicum including scene study, rehearsal, and performance of works by twentieth-century American playwrights such as Williams, Miller, O'Neill, Albee, and Odets.
- 402 Voice Studio**  
Fall, Spring. 2(0-4) A student may earn a maximum of 4 credits in all enrollments for this course. RB: (THR 101) R: Open only to juniors or seniors in the Department of Theatre.  
Intensive practicum in advanced techniques for developing physical awareness in voice as an instrument of expression.
- 409 Auditioning**  
Fall. 2(0-4) RB: (THR 301 Or THR 302) R: Open only to seniors in the Department of Theatre.  
Theory and practice of techniques used for production casting in the theatre and elsewhere. Monologues, cold readings, and improvisations. Interview and resume preparation.
- 410 Oral Interpretation**  
Spring. 3(2-2) RB: (THR 101)  
Selecting, interpreting and performing dramatic and non-dramatic literature for an audience. Reading for sense, instant characterization through vocal expressiveness, and audience control.
- 411 Stage Lighting Design**  
Fall of odd years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (THR 211) R: Not open to freshmen.  
Theory and practice in lighting design and equipment. Application of light to stage production through play analysis, color theory, and the development of lighting plot.

- 412 Stage Costume Design**  
Spring of odd years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (THR 212) R: Not open to freshmen.  
Creating stage dress through script, color, and fabric analysis. Practical application through rendering draping and fabrication.
- 413 Make-up**  
Spring. 3(2-2) RB: (THR 212) R: Not open to freshmen.  
Theory and application of two-dimensional and three-dimensional make-up for the stage.
- 414 Scene Design**  
Fall of even years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (THR 211) R: Not open to freshmen.  
Creating stage setting through script, color, and architectural analysis. Practical application through rendering and technical drawing.
- 415 Scene Painting**  
Fall of even years. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (THR 211) R: Not open to freshmen.  
Techniques in scene painting for drops, scenery units and floor treatment for a variety of theatrical spaces.
- 421 Creative Dramatics**  
Fall, Spring. 3(2-2) R: Not open to freshmen or sophomores.  
Techniques for developing playmaking, story dramatization and improvisational skills in young people. Emphasis on school, camp and recreational use.
- 422 Children's Theatre**  
Spring of odd years. 3(2-2) R: Not open to freshmen or sophomores.  
Development and application of skills for producing traditional or improvised performances for children. Projects may originate with play script and culminate in audience assessment.
- 431 History of Theatre to 1850 (W)**  
Fall of even years. 3(3-0) P:M: Completion of Tier I writing requirement. RB: (IAH 201) R: Not open to freshmen or sophomores.  
Theory and practice from mythic and cultic origins to the beginning of stage realism. Emphasis on theatre as an expression of its social and cultural matrix.
- 432 History of Theatre since 1850**  
Spring of odd years. 3(3-0) RB: (IAH 201) R: Not open to freshmen or sophomores.  
Crisis and change in theatre architecture and dramatic forms. Dominance of commercial theatre, the rise of educational theatre, and the impact of high technology.
- 441 Advanced Play Directing**  
Spring. 3(0-6) P:M: (THR 341) R: Open only to juniors or seniors in the Department of Theatre.  
Advanced directing skills, theories and techniques applied to the non-realistic play. Works selected from Shakespeare, the musical theatre, and other non-realistic forms used as practicum.
- 450 Movement Studio**  
Fall, Spring. 2(0-4) A student may earn a maximum of 4 credits in all enrollments for this course. R: Open only to students in the Department of Theatre or Dance Specialization.  
Intensive practicum in advanced techniques for developing the physical awareness and movement range of the actor.
- 451 Dance Studio: Classical Forms**  
Fall. 3(0-6) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to students in the Department of Theatre or Dance Specialization.  
Intensive practicum in theatre dance forms with an emphasis on performance. Selected dance idioms and specialized styles that enhance the development of the dancer as a performing artist.
- 452 Dance Studio: Theatrical Forms**  
Spring. 3(0-6) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to students in the Department of Theatre or Dance Specialization.  
Intensive practicum emphasizing forms of musical theatre dance, coordinated with the department's production program.
- 453 Labanotation**  
Fall of odd years. 3(2-2) R: Open only to students in the Department of Theatre or Dance Specialization.  
Theory and practice of labanotation with emphasis on notating movement, reading notated scores, and analyzing movement theory.
- 454 Choreography and Dance Production**  
Spring of even years. 3(2-2) R: Open only to students in the Department of Theatre or Dance Specialization.  
Intensive practicum in choreography. Principles and methods of dance production.
- 455 History of Dance to 1900**  
Fall of even years. 3(3-0) R: Not open to freshmen or sophomores.  
Overview and anthropological perspective on selected ethnic forms of dance. Emphasis on dance idioms as cultural expressions.
- 456 History of Dance since 1900**  
Spring of odd years. 3(3-0) R: Not open to freshmen or sophomores.  
Overview and anthropological perspective on dance. Modern dance artists and theorists. Contributions of theatrical dance forms.
- 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: Approval of department.  
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
- 492 Senior Seminar**  
Fall. 2(2-0) R: Open only to seniors in the Department of Theatre. Approval of department.  
Contemporary theatre, dance, and performance theory and practice.
- 494 Performance Tour**  
Fall, Spring. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department; open only to cast members 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(0-8) 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(0-4) 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 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 Modern and Contemporary Theatrical Design**  
Fall of odd years. 3(3-0) R: Open only to graduate students in Theatre.  
Scenic design concepts from Appia and Craig to the present.
- 813 Period Resources for Directors and Designers**  
Fall of even 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.
- 814 Digital Design Media for Theatre**  
Spring. 3(2-2)  
Targeted exploration of common software tools for theatrical production designers in costumes, scenery and lighting.
- 831 Studies in Theatre History**  
Fall of odd years. Spring of odd 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.

## Theatre—THR

**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. SA: ENG 832

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) RB: (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 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.

**850 Portfolio Development: Digital and Traditional**  
Spring. 2(1-2)

Practices in traditional media as a basis for digital portfolio technologies. Software and hardware options applied to theatrical design portfolios.

**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.

**201 The Role of Planning in Urban and Regional Development**  
Fall, Spring. 4(4-0)

Contemporary urban issues, historical contexts, and the role of planning in the solutions of the problems faced by cities and their surrounding regions.

**314 Methods for Investigation of Urban Systems**  
Spring. 4(3-2) Interdepartmental with Geography. P:M: (STT 201 and CSE 101) RB: (UP 201)

Models, approaches, and techniques for urban and regional problem analysis, research, program evaluation, and project management. Application of related computer software.

**324 Visual Communication and the Design Process**  
Fall. 4(2-4) P:M: (UP 201 or concurrently) R: Open only to sophomores or juniors or seniors in Urban and Regional Planning. SA: UP 231, UP 233, UP 334

Expressing concepts in visual terms for solutions to physical planning projects: graphic techniques and reproduction. Using the design process for solving land use problems: inventory, analysis, synthesis, community input and strategies for implementation.

**343 Planning Theory: Ethics and Politics (W)**  
Spring. 4(4-0) P:M: (UP 201 or concurrently) and completion of Tier I writing requirement. R: Open only to sophomores or juniors or seniors in the College of Social Science. SA: UP 344

Political impact of community decision-making on planning. Ethics and values of professional practice. Gender, equity, and diversity issues within this context will be explored.

**353 Land Use Planning**  
Fall. 4(4-0) P:M: (UP 201 or concurrently) RB: (PLS 100) SA: UP 323

Principles and techniques of land use planning, including role of social, economic and political systems. Comprehensive planning, neighborhood/sector planning, practical tools for land regulation and environmentally sensitive development.

**365 Planning Law (W)**  
Spring. 3(3-0) P:M: (UP 201 and UP 323) and completion of Tier I writing requirement. R: Open only to juniors or seniors in Urban and Regional Planning or Interdisciplinary Studies in Social Science majors. SA: UP 465

Statutory and case law for local government planning and development regulation.

**400 Special Topics in Urban Planning**  
Fall, Spring. 2 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. P:M: Completion of Tier I writing requirement. R: Open only to juniors or seniors or graduate students in Urban and Regional Planning.

Issues and problems in contemporary urban planning.

**408 Comparative Urban Development Planning**  
Spring. 3(3-0) RB: (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 Department of Geography. R: Not open to freshmen or 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 years. 3(3-0) Interdepartmental with Geography. Administered by Department of Geography. P:M: (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 Department of Geography. P:M: (GEO 113 or UP 201) RB: One of the prerequisites or an introductory ECON course. R: Not open to freshmen or sophomores.

Classical and neoclassical, static and dynamic models of industrial location and spatial organization. Land rent theory. Central place theory. Multi-locational organization. Growth transmission.

**418 The Ghetto**  
Fall of odd years. 3(3-0) Interdepartmental with Geography. Administered by Department of Geography. R: Not open to freshmen or 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 Department of Geography. P:M: (GEO 221)

Technical and theoretical issues in the design, evaluation, and implementation of geographic information systems for research and application.

**437 Urban Design**  
Fall of even years. 3(1-4) R: Not open to freshmen or 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.

**439 Golf Course Planning and Design**  
Fall of even years. 3(3-0) Interdepartmental with Landscape Architecture. RB: (LA 342) R: Open only to seniors or graduate students in Urban and Regional Planning or Urban and Regional Planning-Urban Studies or Landscape Architecture.

History, planning, and design of the golf course as a component of the community. Environmental, regulatory, technical, and financing issues.

**454 Local Economic Planning**  
Fall. 3(3-0) P:M: (UP 353 and EC 201) RB: (UP 201) R: Open only to seniors in the College of Social Science. SA: UP 354

The economic component of comprehensive community planning. Taxation and services delivery. Fiscal health and physical and social development of a community.

## URBAN PLANNING UP

### Department of Geography College of Social Science

**100 The City**  
Spring. 3(3-0)  
Evolution, character, dimensions and elements of cities.