462A. Telecommunication Applications: Organizational Impacts
Fall of even-numbered years. 3(2-2)
P: TC 361. R: Approval of department; application required.
Use and effects of telecommunication and information technology in organizational settings.
QA: TC 230, TC 360

462B. Telecommunication Applications: Teleconferencing
Fall. 3(0-0)
P: TC 240. R: Approval of department; application required.
Methods of teleconferencing including assessing requirements for teleconferencing, system design and implementation, and system evaluation.
QA: TC 230, TC 360

463C. Telecommunication Applications: Electronic Information Services
Spring of even-numbered years. 3(2-2)
P: TC 361. R: Approval of department; application required.
Advanced electronic information services applications including electronic bulletin board, audio text and video text services, and voice and electronic mail.
QA: TC 330 QA: TC 440

465. Telecommunication Network Management
Spring. 4(3-2)
P: TC 463, TC 364. MGT 302. R: Open only to Telecommunication and College of Engineering majors.
Techniques for analyzing organizational requirements for voice, data and image communication systems.
QA: TC 470 QA: TC 430

476. Telecommunication Research Methods
Spring. 4(4-0)
R: Open only to seniors and graduate students.
Telecommunication research methods including content analysis, sampling, experiments, surveys, statistics, ratings, polling and qualitative research.
QA: TC 335

477. International Telecommunication
Fall, Winter. 3(4-0)
R: Open only to seniors and graduate students.
Comparison of national approaches to use of television, radio, cable, telephone, data and satellite communication. Development, international interaction, data flows, propaganda, impact on cultures.
QA: TC 498

490. Independent Study
Fall, Spring, Summer. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course.
P: TC 310. R: Open only to Telecommunication majors.
Approval of department; application required.
Directed study under faculty supervision.
QA: TC 230, TC 301, TC 362, TC 392 QA: TC 499

491. Special Topics in Telecommunication
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Approval of department.
Contemporary issues in telecommunication.
QA: TC 399

493. Telecommunication Internship
Fall, Spring, Summer. 1 to 7 credits. A student may earn a maximum of 7 credits in all enrollments for this course.
P: TC 100, TC 326. R: Open only to Telecommunication majors. Approval of department; application required.
Supervised professional experience in a telecommunication institution, business or facility.
QA: TC 399

801. Telecommunication Technologies
Fall, Spring, Summer. 3(3-0)
Trends in mass media and information technologies and their applications. Topics include broadcast systems, telephone systems, data communications, satellite systems, and fiber optic systems.
QA: TC 801

810. Telecommunication Policy Analysis
Fall, Spring, Summer. 3(3-0)
R: Open only to graduate students in Telecommunication or approval of department.
Analysis of major public and private telecommunication policies. Applying concepts and data from law, political science, economics, communication and general social science.
QA: TC 810

821. Mass Communication Theory and Research
Fall, Spring. 3(3-0)
Current telecommunication and mass communication research and theories, including exposure patterns, diffusion of news and social effects of mass media.
QA: TC 821

830. Media Campaigns and Formative Evaluation
Spring. 3(3-0)
Impact of public communication campaigns aimed at educating and persuading mass audiences. Strategies for message development and ongoing assessment.
Techniques for audience analysis and evaluation.
QA: TC 830

840. Telecommunication Media Arts
Spring. 3(0-0)
Theoretical perspectives which inform mediated expression. Processes of creating, analyzing, and disseminating knowledge with telecommunication media.
QA: TC 840

842. Design and Development of Media Projects
Spring. 3(3-0)
P: TC 440 or approval of department; TC 840. R: Open only to graduate students in Telecommunication or approval of department.
Overview of production industry and technology. Message design and development. Project management and production techniques.
QA: TC 451, TC 830

851. Financial Aspects of Telecommunication
Fall. 3(3-0)
P: TC 450 or approval of department. R: Open only to graduate students in Telecommunication or approval of department.
Telecommunication properties and systems. Broadcast, common carrier, and cable capitalization. Pricing, acquisition criteria, and forecasting techniques.
QA: TC 401 QA: TC 851

852. Economic Structure of Telecommunication Industries
Spring. 3(3-0)
P: TC 458 or approval of department. R: Open only to graduate students in Telecommunication or approval of department.
Economic aspects of telecommunication and information industries. Emphasis on market structure, conduct, performance. Content diversity, new technologies, recent regulatory policies, and antitrust.
QA: TC 852

856. Multichannel Telecommunication Management
Spring. 3(0-0)
R: Open only to graduate students in Telecommunication or approval of department.
Management and promotion issues in broadcast television, multichannel television and programming.
QA: TC 815, TC 850

860. Theory and Research in Information Technologies and Services
Fall. 3(3-0)
Social science perspectives on the study of information technologies and services. Work from economics, sociology, geography, communication and organization studies.
QA: TC 860

872. Telecommunication and National Development
Fall. 3(3-0)
Role of electronic mass media and telecommunication in facilitating national development in Asia, Africa, Latin America, the Caribbean and the Middle East. Examples from agriculture, health, family planning, nutrition, and education.
QA: TC 858

876. Research Methods in Telecommunication
Fall. 3(3-0)
R: One undergraduate statistics or research design course.
Methodological foundations for the examination of telecommunication issues. Topics include telecommunication research methods, research design and implementation required. Content analysis of media messages.
QA: TC 335 QA: TC 831

877. Comparative and International Telecommunication
Spring. 3(3-0)
Comparison of various national approaches to broadcasting, cable, satellite and telephone systems. Policy, economic, institutional and content issues. Interactions and media flows among countries. International regulatory bodies.
QA: TC 870, TC 871

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.
QA: TC 890

891. Special Topics in Telecommunication
Fall, Spring. 3(0-0)
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.
QA: TC 899

960. Media and Technology
Spring. 3(3-0) Interdepartmental with Advertising and 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(0-0) Interdepartmental with Advertising and Journalism.
R: Open only to Ph.D. students in Communication Arts and Sciences Mass Media or Communication or approval of department.
Economic theories and analysis relevant to the mass media. Economic structure and performance of mass media and advertising industries. Competition among media and within related industries.
QA: ADV 963

THEATRE
THR

Department of Theatre
College of Arts and Letters

190. Theatre and Society
Fall, Spring. 3(2-2)
Theatre as social comment. Translation of social vision into dramatic art. Demonstration and application of theories of theatre conventions, play genres, and production techniques.
QA: THR 101
201. Contemporary Acting I
Fall, Spring. 3(2-2)
P: THR 101. R: Open only to majors in Theatre or approval of department.
Intensive training in classical acting based on Greek and Elizabethan playwrights such as Aeschylus, Sophocles, Euripides, and Shakespeare.
QP: THR 223 QA: THR 211

302A. Classical Acting: Tragedy
Fall. 3(3-0)
P: THR 101. R: Open only to majors in Theatre or approval of department.
Intensive training in classical acting based on texts by Greek and Elizabethan playwrights such as Aeschylus, Sophocles, Euripides, and Shakespeare.
QP: THR 223, THR 211 QA: THR 413

302B. Classical Acting: Comedy
Fall. 3(3-0)
P: THR 101. R: Open only to majors in Theatre or approval of department.
Intensive training in classical acting based on Roman, Commedia, and Manners comedies by playwrights such as Plautus, Terence, Goldoni, Wycherly, and Congreve.
QP: THR 223, THR 211 QA: THR 412

310. Acting for Non-majors
Fall, Spring. 3(2-2)
QP: THR 223 QA: THR 323

311. Production Practicum
Fall, Spring. 3(0-10)
P: THR 211, THR 212
Intensive experience participating in the production program of the department.
QP: THR 104, THR 221, THR 101, THR 223 QA: THR 320, THR 321

312. Design Media and Techniques
Spring of odd-numbered years. 3(2-2)
P: THR 211 or THR 212
Rendering and design techniques for effective costume and scenic design.
QP: THR 320, THR 321 QA: THR 304

311B. Beginning Play Directing
Fall, Spring. 3(0-6)
P: THR 311
Intensive practicum in concepts and techniques of stage directing. Stage design, movement, tableaux, and analysis.
QP: THR 320, THR 321 QA: THR 301, THR 302

350. Plays as Film
Fall. 3(2-2)
P: Completion of IAI requirement. A comparison of plays and musicals that are also films, with emphasis on structural changes from the play to film.
QP: THR 323, THR 321 QA: THR 301, THR 302

401. Contemporary Acting II
Spring. 3(0-6)
P: THR 301 or THR 320A or THR 320B. R: Open only to majors in Theatre or approval of department.
Intensive practicum in acting, scene study, rehearsal, and performance of works by twentieth-century American playwrights such as Williams, Miller, O'Neill, Albee, and Oates.
QP: THR 211 QA: THR 111

402. Voice and Movement Studio
Fall, Spring. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course.
P: THR 101. R: Open only to theatre majors. Approval of department.
Intensive practicum in advanced techniques for developing physical awareness in movement and voice as instruments of expression.
QP: THR 402, THR 212

409. Auditioning
Fall. 3(0-4)
P: THR 301 or THR 320A or THR 320B or THR 401. R: Open only to seniors. Approval of department.
Theory and practice of techniques used for production casting in the theatre and elsewhere. Monologue, cold readings, and improvisations. Interview and resume preparation.
QP: THR 414

410. Oral Interpretation
Spring, 3(2-2)
P: THR 101. Selecting, interpreting and performing dramatic and non-dramatic literature for an audience. Reading for sense, characterization through vocal expressiveness and audience control.
QP: THR 223 QA: THR 406

411. Stage Lighting Design
Fall of odd-numbered years. 3(2-2)
P: THR 211. R: Not open to freshmen and sophomores. Theory and practice in lighting design and equipment. Application of light to stage production through play analysis, color theory, and the development of lighting plots.
QP: THR 221 QA: THR 436

412. Stage Costumes Design
Spring of even-numbered years. 3(2-2)
P: THR 212. R: Not open to freshmen and sophomores. Creating stage dress through script, color, and fabric analysis. Practical application through rendering and draping and fabrication.
QP: THR 104 QA: THR 434

413. Make-up
Spring. 3(2-2)
P: THR 212. R: Not open to freshmen and sophomores. Theory and application of two-dimensional and three-dimensional make-up for the stage.
QP: THR 432, THR 431

414. Scene Design
Fall of even-numbered years. 3(2-2)
P: THR 211. R: Not open to freshmen and sophomores. Creating stage sets through script, color, and architectural analysis. Practical application through rendering and technical drawing.
QP: THR 320, THR 321, THR 304 QA: THR 415

415. Scene Painting
Fall of even-numbered years. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course.
P: THR 211.
Techniques in scenic painting for drops, scenery units and floor treatment for a variety of theatrical spaces.
QP: THR 427

421. Creative Dramatics
Fall, Spring. 3(2-2)
P: Not open to freshmen and sophomores. Technique for developing playmaking, story dramatization and improvisational skills in young people. Emphasis on school, camp and recreational use.
QP: THR 420, THR 421

422. Children's Theatre
Spring of even-numbered years. 3(2-2)
P: Not open to freshmen and 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.
QP: THR 426

431. History of Theatre to 1850
Fall of even-numbered years. 3(3-0)
P: Not open to freshmen and 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.
QP: THR 477

432. History of Theatre since 1850
Fall of even-numbered years. 3(3-0)
P: Not open to freshmen and sophomores. Crisis and change in theatre architecture and dramatic form, dominance of commercial theatre, the rise of educational theatre, and the impact of high technology.
QP: THR 478

441. Advanced Play Directing
Fall, Spring. 3(0-4)
P: THR 341.
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 practice.
QP: THR 301, THR 302 QA: THR 303

451. Dance Studio: Classical Forms
Fall. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course.
P: THR 345. R: Open only to theatre majors. Approval of department.
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.
QP: THR 401A

452. Dance Studio: Theatrical Forms
Spring. 3(0-4) A student may earn a maximum of 6 credits in all enrollments for this course.
P: THR 345. R: Open only to theatre majors. Approval of department.
Intensive practicum emphasizing forms of musical theatre dance, coordinated with the department's production program.
QP: THR 401B

453. Labanotation
Fall of odd-numbered years. 3(2-2)
P: Not open to freshmen and sophomores. Theory and practice of labanotation with emphasis on isolating movement, reading notated scores, and analyzing movement theory.
QP: THR 406

454. Choreography and Dance Production
Fall of even-numbered years. 3(2-2)
P: THR 404, THR 405
QP: THR 401A, THR 401B QA: THR 404, THR 405

455. History of Dance to 1900
Fall of even-numbered years. 3(3-0) R: Not open to freshmen and sophomores.
Overview of the history of dance from classical and cultural forms. Emphasis on dance idioms and dance artists as cultural expressions.
QP: THR 493

456. History of Dance since 1900
Spring of even-numbered years. 3(3-0) R: Not open to freshmen and sophomores. Overview and anthropological perspective on selected ethnic forms of dance. Emphasis on dance idioms and dance artists as cultural expressions.
QP: THR 494

Theatre—Descriptions of Courses
490. Independent Study
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Not open to freshmen and sophomores. Approval of department required. Special projects arranged by an individual student and a faculty member assigned from appropriate departments.
QA: THR 489A

814. Doctoral Independent Study
Fall, Spring. 3(0-0) A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to graduate students in Theatre. Special problems leading to a dissertation, supervised by an individual doctoral student and a faculty member assigned from areas supplementing the regular course offerings. QA: THR 990

815. Doctoral Dissertation Research
Fall, Spring. 3(0-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to doctoral students in Theatre. QA: ENGL 999

URBAN PLANNING

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. QA: UP 200 or UP 400

202. Presentation Techniques
Fall. 2(2-0) 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. QA: LA 120

223. Site Design for Planners and Developers
Fall. 2(0-0) P: UP 201. Open only to students in the College of Social Science. Designing a site for a development project: soils, drainage, elevations, views, topography, utilities, wetlands, and other elements. QA: LA 201

313. Data Collection and Evaluation Analysis for Urban Planners
Fall. 3(2-2) P: CPS 100 or CPS 100 or CPS 111; UP 201. Data gathering analysis, information presentation, and basic techniques of urban planning. Application of related computer programs and software. QA: CPS 300, CPS 115; UP 341

314. Methods for Investigation of Urban Systems
Spring. 3(2-2) P: UP 313. Models, approaches, and techniques for urban and regional problems analysis and plan formulation. QA: UP 341; QA: UP 342

322. 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 urban and regional levels. QA: UP 200; QA: UP 363

334. Real Estate Project Design
Spring. 4(2-4) P: UP 203. Subdivision design, criteria, and standards. Integrating activities, structures, and space on parcels of varying sites and configurations. QA: LA 190, LA 210 QA: UP 351

344. Ethics and Politics in Planning
Spring. 3(3-0) P: UP 201. Political impact of community decision-making on planning theory. Echoes and values of professional practice. QA: UP 200; QA: UP 363, UP 443

354. Local Economic Planning
Spring. 3(3-0) P: UP 201, RC 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. QA: UP 200 or UP 400 QA: UP 462

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.