

TELECOMMUNICATION

465*. **Telecommunication Network Management**
 Spring. 4(3-2)
 P: TC 463, TC 464, MGT 302. R: Open only to Telecommunication and College of Engineering majors.
 Techniques for analyzing organizational requirements for voice, data and image communication systems.
 QP: TC 470 QA: TC 480 TC 430

476*. **Telecommunication Research Methods**
 Spring. 4(4-0)
 R: Open only to College of Communication Arts and Sciences majors.
 Telecommunication research methods including content analysis, sampling, experiments, surveys, statistics, ratings, polling and qualitative research.
 QA: TC 335

477*. **International Telecommunication**
 Fall, Spring, Summer. 4(4-0)
 R: Open only to Telecommunication majors.
 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.
 May reenroll for a maximum of 7 credits.
 P: TC 310. R: Open only to Telecommunication majors. Approval of department; application required.
 Directed study under faculty supervision.
 QP: TC 230 TC 301TC 302TC 302 QA: TC 499

491*. **Special Topics in Telecommunication**
 Fall, Spring. 1 to 4 credits. May reenroll for a maximum of 8 credits.
 R: Open only to College of Communication Arts and Sciences majors. Approval of department.
 Contemporary issues in telecommunication.

493*. **Telecommunication Internship**
 Fall, Spring, Summer. 1 to 7 credits.
 May reenroll for a maximum of 7 credits.
 R: Open only to Telecommunication majors. Approval of department; application required.
 Supervised professional experience in a telecommunication institution, business or facility.

801*. **Telecommunication Technologies**
 Spring, Summer. 3(3-0)
 R: graduate students
 Examination of new trends in the development of mass media and information technologies and trends in their applications.
 QA: TC 801

810*. **Telecommunication Policy Analysis**
 Spring, Summer. 3(3-0)
 R: graduate students
 Systematic analysis of major public and private telecommunication policies applying tenets from law, political science, economics, communication and general social science.
 QA: TC 810

821*. **Mass Communication Theory and Research**
 Fall. 3(3-0)
 R: graduate students
 Current telecommunication/mass communication research and theories, including exposure patterns, diffusion of news and influences, mass media.
 QA: TC 821

824*. **Media Campaigns and Formative Evaluation**
 Fall of even-numbered years. 3(3-0)
 R: graduate students
 Examines impact of public communication campaigns aimed at educating and persuading mass audiences; strategies for message development; techniques for audience analysis and evaluation.
 QA: TC 875

840*. **Telecommunication Media Arts Theory**
 Fall. 3(3-0)
 R: graduate students
 Application of theoretical perspectives which inform mediated expression and the processes of creating, analyzing, and disseminating knowledge with telecommunication media.
 QA: TC 830

842*. **Design and Development of Media Projects**
 Spring. 4(3-2)
 P: TC 442 or permission of instructor;
 TC 840 R: seniors and graduate students telecommunication
 Presents overview of production industry and technology, message design and development, project management and production techniques, including professional level production projects.
 QP: TC 451 TC 830

851*. **Telecommunication Financial Analysis**
 Fall. 3(3-0)
 P: TC 458 R: graduate students telecommunication
 Financial analysis of telecommunication properties and systems including broadcast, common carrier and cable capitalization, pricing, acquisition criteria and forecasting techniques.
 QP: TC 401 QA: TC 851

852*. **Telecommunication Industries**
 Spring, Summer. 3(3-0)
 R: graduate students
 Economic analysis of telecommunication and information industries with emphasis on market structure, conduct, performance, content diversity, new technologies, recent regulatory policies, antitrust.
 QA: TC 852

856*. **Multichannel Telecommunication Management**
 Spring. 3(3-0)
 R: graduate students
 Management and Promotion problems 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)
 R: graduate students
 Theoretical approaches from a social science perspective to the study of information technologies and sciences, including work from such diverse disciplines as economics, sociology, geography, communication and organization studies.
 QA: TC 860

872*. **Telecommunication and National Development**
 Fall. 3(3-0)
 R: graduate students
 Role of electronic mass media and telecommunication in facilitating national development in countries of Asia, Africa, Latin America, the Caribbean and the Middle East. Examples from agriculture, health, family planning, nutrition, education sectors.
 QA: TC 869

876*. **Research Methods in Telecommunication**
 Fall. 3(3-0)
 P: undergraduate statistics course R: graduate students
 Application of research methods in the telecommunication field.
 QP: TC 335 QA: TC 831

877*. **Comparative and International Telecommunication**
 Spring. 3(3-0)
 R: graduate students
 Comparison of various country approaches to broadcasting, cable, satellite and telephone systems. Policy, economic, institutional and content issues. Interactions and media flows between countries; international institutions.
 QA: TC 870 TC 871

890*. **Independent Study**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 R: graduate students telecommunication approval of department required
 Directed study under supervision of TC faculty.
 QA: TC 890

891*. **Special Topics in Telecommunication**
 Fall, Spring. 3(3-0)
 R: graduate students communication arts and sciences
 Contemporary issues in telecommunication. Topics vary.

899*. **Master's Thesis Research**
 Fall, Spring, Summer. 1 to 8 credits.
 May reenroll for a maximum of 8 credits.
 R: telecommunication approval of department
 Master's thesis research.

960*. **Media and Technology**
 Spring. 3(3-0) Interdepartmental with the Department(s) of Advertising, Journalism.
 R: advanced graduate students (class 7) mass media Ph.D. (98) and Communication (94)
 Theoretical frameworks concerning media/communication processes and how they are affected by and affect technology. Social, organizational, critical, historical, and economic perspectives.

965*. **Media Economics**
 Spring. 3(3-0) Interdepartmental with the Department(s) of Advertising, Journalism.
 R: advanced graduate students (class 7) mass media Ph.D. (98)
 Economic theory and analysis relevant to the mass media. Economic structure and performance of various mass media industries and of advertising. Conditions of competition among media and within related industries.
 QA: ADV 965

THEATRE

THR

100. **Theatre and Society**
 Fall, Spring, Summer. 3(2-2)

Theatre as social comment. Translation of social vision into dramatic art. Demonstration and application of theatrical conventions, play genres, and production techniques.
 QA: THR 101

THEATRE

- 101. Acting I**
Fall, Spring. 3(2-2)
Improvisational exercises, creative exercises, monologue and scene study.
QA: THR 223
- 211. Production Design: Scenery and Lighting**
Fall, Spring. 3(0-6)
Technical aspects of the design and construction of stage scenery and lighting.
QA: THR 221 THR 320 THR 321 THR 436
- 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.
QA: THR 104 THR 432
- 290*. Independent Study**
Fall, Spring, Summer. 1 to 4 credits.
May reenroll for a maximum of 6 credits.
R: Approval of the Department
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
- 301*. Contemporary Acting I**
Spring. 3(0-6)
P: THR 101. R: Open only to majors in Theatre or approval of department.
Intensive practicum including scene study, rehearsal and performance of works by playwrights such as Chekhov, Ibsen, Strindberg, Pirandello, and Pinter.
QP: THR 223 QA: THR 211
- 302A*. Classical Acting: Tragedy**
Fall. 3(0-6)
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(0-6)
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)
P: THR 101 R: Not open to majors
Continuation of THR 101 with emphasis on vocal interpretation and characterization. Department play attendance required.
QP: THR 223 QA: THR 323
- 311*. Production Practicum**
Fall, Spring. 5(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 even-numbered years. 3(2-2)
P: THR 211 or THR 212
Basic rendering and design techniques relative to effective costume and scenic design.
QA: THR 304
- 341*. 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 of even-numbered years. 3(2-2)
P: Completion of IAH 210 "A" and IAH "B"
A comparison of plays and musicals that are also films with emphasis on structural changes from the play to film.
QA: THR 335
- 401*. Contemporary Acting II**
Spring. 3(0-6)
P: THR 301 or THR 302A or THR 302B. R: Open only to majors in Theatre. Approval of department.
Intensive practicum including scene study, rehearsal, and performance of works by twentieth-century American playwrights such as Williams, Miller, O'Neill, Albee, and Odets.
QP: THR 211 QA: THR 411
- 402*. Voice and Movement Studio**
Fall, Spring. 2(0-4) May reenroll for a maximum of 8 credits.
P: THR 101.
Intensive practicum in advanced techniques for developing physical awareness in movement and voice as instruments of expression.
QA: THR 402 THR 212
- 409*. Auditioning**
Fall. 2(0-4)
P: THR 301 or THR 302A or THR 302B or THR 401 R: Senior Approval of Department
Theory and practice of techniques used for production casting in the theatre and elsewhere. Monologues, cold readings, improvisations, as well as interview and resume preparation.
QA: 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, instant 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 plot.
QP: THR 221 QA: THR 436
- 412*. Stage Costume Design**
Spring. 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 draping and fabrication.
QP: THR 104 QA: THR 434
- 413*. Make-up**
Spring. 3(2-2)
P: THR 212. R: Not open to freshmen.
Theory and application of two-dimensional and three-dimensional make-up for the stage.
QA: THR 432 THR 433
- 414*. Scene Design**
Fall of even-numbered years. 3(2-2)
P: THR 211. R: Not open to freshmen and sophomores.
Creating stage setting 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)
May reenroll for a maximum of 6 credits.
P: THR 211
Techniques in scene painting for drops, scenery units and floor treatment for a variety of theatrical spaces.
QA: THR 437
- 421*. Creative Dramatics**
Fall, Spring. 3(2-2)
R: Not open to freshmen and sophomores.
Techniques for developing playmaking, story dramatization and improvisational skills in young people. Emphasis on school, camp and recreational use.
QA: THR 420 THR 421
- 422*. Children's Theatre**
Spring. 3(2-2)
R: 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 or idea and culminate in audience assessment.
QA: THR 426
- 431*. History of Theatre to 1850**
Fall. 3(3-0)
R: 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.
QA: THR 477
- 432*. History of Theatre since 1850**
Spring. 3(3-0)
R: Not open to freshmen and 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.
QA: THR 478
- 441*. Advanced Play Directing**
Spring. 3(0-6)
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 practicum.
QP: THR 301 THR 302 QA: THR 303
- 451*. Dance Studio: Classical Forms**
Fall. 3(0-6) May reenroll for a maximum of 9 credits.
R: 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.
QA: THR 401A
- 452*. Dance Studio: Theatrical Forms**
Spring. 3(0-6)
R: Approval of department.
Intensive practicum emphasizing forms of musical theatre dance, coordinated with the department's production program.
QA: THR 401B

THEATRE

- 453*.** **Labanotation**
 Fall of odd-numbered years. 3(2-2)
 R: Not open to freshmen and sophomores.
 Theory and practice of labanotation with emphasis on notating movement, reading notated scores, and analyzing movement theory.
 QA: THR 403
- 454*.** **Choreography and Dance Production**
 Spring of even-numbered years. 3(2-2)
 P: THR 451 or THR 452.
 Intensive practicum in choreography. Principles and methods of dance production.
 QP: THR 401ATHR 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 and anthropological perspective on selected ethnic forms of dance. Emphasis on dance idioms and dance artists as cultural expressions.
 QA: THR 493
- 456*.** **History of Dance since 1900**
 Spring of odd-numbered years. 3(3-0)
 R: Not open to freshmen and sophomores.
 Overview and anthropological perspective on dance. Modern dance artists and theorists. Contributions of theatrical dance forms.
 QA: THR 494
- 480*.** **Senior Seminar**
 Spring. 2(2-0)
 P: THR 341 plus 15 credits in Theatre
 R: Senior Theatre
 Contemporary theatre, dance and performance theory and practice for theatre seniors.
- 490*.** **Independent Study**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 6 credits.
 R: Approval of the Department
 Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
 QA: THR 499A
- 494*.** **Performance Tour**
 Fall, Spring. 3(0-6) May reenroll for a maximum of 6 credits.
 R: Acceptance into cast of touring production.
 Rehearsal for and participation in the various departmental touring productions.
 QA: THR 489
- 800*.** **Theatre Research Methodology**
 Fall. 3(3-0)
 R: Theatre
 Research techniques appropriate to theatre. Initial planning for Thesis or Dissertation.
 QA: THR 800
- 801*.** **Practicum in Theatre Arts: Acting**
 Fall, Spring. 3(0-8) May reenroll for a maximum of 18 credits.
 R: Theatre
 Acting techniques including improvisation, Stanislavskian techniques, to develop diverse acting skills.
 QA: THR 803A
- 802*.** **Stage Voice**
 Fall. 2(0-4) May reenroll for a maximum of 6 credits.
 R: Theatre
 Study and practice of principles and exercises for development of the speaking voice for actors. Application to selected dramatic texts.
 QA: THR 802

- 803*.** **Acting Theory**
 Spring of even-numbered years. 3(3-0)
 R: Theatre
 Theories, processes, techniques, and styles of acting set forth in the writings of prominent performers, teachers and critics.
 QA: THR 809
- 811*.** **Problems in Theatre Design**
 Fall, Spring. 3(2-2) May reenroll for a maximum of 15 credits.
 Characteristics and approaches toward the solution of design problems in costumes, scenery, lighting, architecture, properties or sound.
 QA: THR 804
- 812*.** **Twentieth Century Theatrical Design**
 Fall of odd-numbered years. 3(3-0)
 Scenic design concepts of 20th century through selected work of Appia, Craig and others to the present day.
 QA: THR 814
- 813*.** **Period Research & Resources for Directors and Designers**
 Fall of even-numbered years. 3(3-0)
 Methodology for researching historical artifacts and customs that directors and designers will adapt for use in sets, props, costumes and directing.
 QA: THR 815
- 831*.** **Studies in Theatre History**
 Fall, Spring. 3(3-0) May reenroll for a maximum of 12 credits.
 Selected periods and genres of world theatre history emphasizing the theatre as a cultural expression and a performance art.
 QA: THR 808
- 832*.** **Studies in Comparative Theatre and Drama**
 Fall, Spring. 3(3-0) May reenroll for a maximum of 12 credits.
 Interdepartmental with the Department(s) of English.
 Comparative study of selected playwrights, developments, movements and trends in world drama from their beginnings to the present time.
 QA: THR 805
- 833*.** **Dramatic Theory and Criticism**
 Fall. 3(3-0)
 P: THR 800 or Approval of Department
 Dramatic criticism and theory from the early Greek to the present.
 QP: THR 800 QA: THR 801A THR 801B
- 841*.** **Advanced Directing Practices**
 Spring of odd-numbered years. 3(2-2)
 May reenroll for a maximum of 6 credits.
 Directing theory and practice in contemporary theatre including research and experimentation.
 QA: THR 806
- 890*.** **Independent Study**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 8 credits.
 R: Approval of the Department
 Special projects, directed reading, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.
 QA: THR 890

- 899*.** **Master's Thesis Research--Plan A**
 Fall, Spring, Summer. 2 to 4 credits.
 May reenroll for a maximum of 6 credits.
 R: Approval of the Department
 Directed research leading to a master's thesis, used in partial fulfillment of plan A master's degree requirements.
 QA: THR 899
- 990*.** **Doctoral Independent Study**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 12 credits.
 R: Approval of the Department
 Special projects, directed reading, and research arranged by an individual doctoral candidate and a faculty member in areas supplementing the regular course offerings.
 QA: THR 990
- 999*.** **Doctoral Dissertation Research**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 24 credits.
 R: Approval of the Department
 QA: ENG 999

URBAN PLANNING UP

- 201.** **The Role of Planning in Urban and Regional Development**
 Fall. 3(03-0)
 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
- 231*.** **Presentation Techniques for Planning and Design Professionals**
 Fall. 2(0-.8)
 Uses of graphic, photographic video and computer generated media to make presentations to clients and community groups.
 QA: LA 120
- 231A*.** **Presentation Techniques for Planning and Design Professionals**
 Fall. 2(0-.8)
 C: LA220
 Uses of graphic, photographic video and computer generated media to make presentations to clients and community groups.
 QA: LA 120
- 231B*.** **Site Design for Planners and Developers**
 Fall. 2(0-8)
 P: UP 231A C: LA 220 R: Social Science
 Soils, drainage, elevations, view, topography, utilities, wetlands, and other elements considered in designing a site for a development project.
 QA: LA 120
- 233*.** **Site Design for Planners and Developers**
 Fall. 2(0-8)
 P: UP 231A R: Social Science
 Soils, drainage, elevations, view, topography, utilities, wetlands, and other elements considered in designing a site for a development project.
 QA: LA 120