

**Descriptions—Telecommunication
of
Courses**

- 462A. Telecommunication Applications: Organizational Impacts**
Fall of even-numbered years. 3(2-2)
P: TC 361. R: Approval of department; application required.
Uses and effects of telecommunication and information technology in organizational settings.
QP: TC 230, TC 360
- 462B. Telecommunication Applications: Teleconferencing**
Fall. 3(2-2)
P: TC 240. R: Approval of department; application required.
Methods of teleconferencing including assessing requirements for teleconferencing, system design and implementation, and system evaluation.
QP: TC 230, TC 360
- 462C. 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.
QP: TC 360 QA: TC 440
- 463. Digital Telecommunication Networks**
Fall. 3(3-0)
P: TC 361. C: TC 464 R: Approval of department.
Operation and management of common carrier, digital telecommunication systems. Digital telephony business planning and financial analysis for public telecommunication networks.
QP: TC 360 QA: TC 470, TC 430
- 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 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, Spring, Summer. 4(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.
QP: TC 230, TC 301, TC 302, TC 302 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.
- 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 200, TC 201. 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
- 824. 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 875
- 840. Telecommunication Media Arts Theory**
Fall. 3(3-0)
Theoretical perspectives which inform mediated expression. 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 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.
QP: TC 451, TC 830
- 851. Financial Aspects of Telecommunication**
Fall. 3(3-0)
P: TC 458 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.
QP: TC 401 QA: TC 851
- 852. Economic Structure of Telecommunication Industries**
Spring, Summer. 3(3-0)
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(3-0)
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 869
- 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 market research, syndicated audience surveys, and content analysis of media messages.
QP: 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(3-0)
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(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.
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.
QA: ADV 965

THEATRE

THR

**Department of Theatre
College of Arts and Letters**

100. Theatre and Society
Fall, Spring. 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

- 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. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to freshmen and sophomores. Approval of 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 in Theatre.
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 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
- 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. 3(2-2)
P: Completion of IAH requirement.
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 or 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) A student may earn a maximum of 8 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.
QA: THR 402, THR 212
- 409. Auditioning**
Fall. 2(0-4)
P: THR 301 or THR 302A or THR 302B 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. Monologues, cold readings, and improvisations. 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 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 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) A student may earn a maximum of 6 credits in all enrollments for this course.
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 of even-numbered years. 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 and culminate in audience assessment.
QA: THR 426
- 431. History of Theatre to 1850**
Fall of even-numbered years. 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 of even-numbered years. 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) A student may earn a maximum of 9 credits in all enrollments for this course.
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.
QA: THR 401A
- 452. Dance Studio: Theatrical Forms**
Spring. 3(0-6)
R: Open only to theatre majors. Approval of department.
Intensive practicum emphasizing forms of musical theatre dance, coordinated with the department's production program.
QA: THR 401B
- 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 odd-numbered years. 3(2-2)
P: THR 451 or THR 452.
Intensive practicum in choreography. Principles and methods of dance production.
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 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 even-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

**Descriptions—Theatre
of
Courses**

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.

QA: THR 499A

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(0-6) 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.

QA: THR 489

800. Theatre Research Methodology

Fall, 3(3-0)

R: Open only to graduate students in Theatre.

Research techniques appropriate to theatre. Library resources.

QA: THR 800

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.

QA: THR 803A

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.

QA: THR 802

803. Acting Theory

Spring of odd-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.

QA: THR 809

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 solving problems in costumes, scenery, lighting, architecture, properties, or sound.

QA: THR 804

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.

QA: THR 814

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.

QA: THR 815

831. Studies in Theatre History

Fall of odd-numbered years, Spring of even-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.

QA: THR 808

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.

QA: THR 805

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.

QP: THR 800 QA: THR 801A, THR 801B

841. Advanced Directing Practices

Spring of odd-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.

QA: THR 806

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.

QA: THR 890

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.

QA: THR 890

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.

QA: THR 899

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.

QA: THR 990

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.

QA: ENG 999

URBAN PLANNING

UP

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

231. Presentation Techniques

Fall, 2(0-4)

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

233. Site Design for Planners and Developers

Fall, 2(0-4)

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.

QA: LA 201

313. Data Collection and Evaluation Analysis for Urban Planners

Fall, 3(2-2)

P: CPS 100 or CPS 130 or CPS 131; UP 201.

Data gathering analysis, information presentation, and basic techniques of urban planning. Application of related computer programs and software.

QP: CPS 100 or CPS 112 or CPS 115 QA: UP 341

314. Methods for Investigation of Urban Systems

Spring, 3(2-2)

P: UP 313.

Models, approaches, and techniques for urban and regional problem analysis and plan formulation.

QP: UP 341 QA: UP 342

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.

QP: UP 200 QA: UP 363

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.

QP: LA 120, LA 201 QA: UP 351

344. Ethics and Politics in Planning

Spring, 3(3-0)

P: UP 201.

Political impact of community decision-making on planning. Ethics and values of professional practice.

QP: UP 200 QA: UP 363, UP 443

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.

QP: 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.