

**Descriptions — Teacher Education
of
Courses**

942. Economic Analysts in Educational Policy Making
Spring of even-numbered years. 3(3-0) Interdepartmental with Educational Administration. Administered by Educational Administration. Economic effects of education. Economic analysis of policy issues in education. Alternative theoretical perspectives. Applications to the United States and other countries.

946. Current Issues in Literacy Research and Instruction
Spring of odd-numbered years. 3(3-0)
Current research trends in the psychological, social, and political dimensions of literacy and literacy instruction.

950. Mathematical Ways of Knowing
Fall of even-numbered years. 3(3-0)
P: Two undergraduate mathematics courses. Philosophical, cultural, political, societal, psychological, and historical perspectives on knowing in mathematics as a discipline.

955. Contemporary Issues in Science Curriculum and Teaching
Fall. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Epistemological, social, psychological, and historical foundations of science education in relation to contemporary issues and problems of science curriculum, teaching, and policy.

960. Language, Literacy, and Educational Policy
Fall of odd-numbered years. 3(3-0)
Policy in relation to framing curriculum. The linguistic nature of pupil assessment. Gatekeeping functions of schools.

965. The Craft of Policy Analysis in Education
Spring of odd-numbered years. 3(3-0)
Framing problems, devising alternative solutions, and predicting impacts.

970. Curriculum and Pedagogy in Teacher Education
Spring of even-numbered years. 3(3-0)
Teacher learning opportunities at the preservice, induction, and inservice levels. Intended and enacted curriculum, sources of pedagogy, and their impact on teachers' knowledge, skills, and attitudes.

971. Teacher Learning in School Settings
Fall of odd-numbered years. 3(3-0)
Research about school-based learning by prospective, beginning, and experienced teachers. Observation, conversation, writing, and classroom research as tools for improving teaching.

975. Policy Perspectives on Teaching and Teacher Education
Fall of odd-numbered years. 3(3-0)
Policy issues such as teacher accountability, teacher knowledge, and political influence.

982. Seminar in Curriculum, Teaching, and Educational Policy (MTC)
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. Intensive study in an area of curriculum, teaching, and learning; educational policy and social analysis; or teacher education and teacher learning.

990. Independent Study
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Open only to doctoral students.
Supervised individual study in an area of curriculum, teaching, and educational policy.

991. Special Topics in Curriculum, Teaching, and Educational Policy
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

991A. Special Topics in Science Education
Spring of odd-numbered years. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

994. Laboratory and Field Experience in Curriculum, Teaching, and Educational Policy
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to doctoral students. Approval of department.
Supervised practica, observations, and internships in an area of curriculum, teaching and learning; educational policy and social analysis; or teacher education and teacher learning.

995. Research Practicum in Curriculum, Teaching, and Educational Policy
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 doctoral students. Approval of department.
Supervised research practicum. Design, execution, analysis, presentation, critique, and revision of research projects.

999. Doctoral Dissertation
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course.
R: Open only to Ph.D. students.

TELECOMMUNICATION TC
**Department of Telecommunication
College of Communication Arts
and Sciences**

100. The Information Society
Fall, Spring, Summer. 3(3-0)
Technological and social trends in the information society. Social policy involving information technologies and information services. Examples from the telephone, computer, television, cable, radio and satellite systems.

200. History and Economics of Telecommunication
Fall, Spring, Summer. 4(4-0)
P: EC 201 or concurrently. R: Not open to freshmen. Institutional, economic and content development of telecommunication including broadcasting, cable, new video technologies, and telephone and data transmission.

201. Introduction to Telecommunication Technology
Fall, Spring, Summer. 4(4-0)
P: MTH 110 or MTH 116; CPS 100 or CPS 130 or CPS 131 or concurrently. R: Not open to freshmen. Operational principles of audio, data and video telecommunication technologies.

240. Telecommunication Media Arts
Fall, Spring, Summer. 4(2-4)
R: Not open to freshmen.
Characteristics of image and sound media and their role in shaping the meaning of media messages. Application of aesthetic principles in the design of mediated communication.

275. Effects of Mass Communication
Fall, Spring, Summer. 3(3-0) Interdepartmental with Communication.
R: Not open to freshmen.
Major social effects of mass media on audience behavior. Political communication. Media effects on children. Message strategies producing attitude change. Interrelationships between mass media and interpersonal communication.

310. Basic Telecommunication Policy
Fall, Spring, Summer. 4(4-0)
P: TC 100, TC 200, TC 201, TC 240.
Policy and plans in telecommunication systems and services in the United States and other nations.

342. Basic Video Design and Production
Fall, Spring, Summer. 4(2-4)
P: TC 240. R: Open only to Telecommunication majors. Approval of department; application required. Conceptualization, design, planning, producing, directing, editing, and evaluation of video programs.

343. Basic Audio Production
Fall, Spring, Summer. 4(2-4)
P: TC 201, TC 240. R: Open only to Telecommunication majors. Approval of department; application required. Basic audio production techniques. In-depth audio and radio industry analysis. Media writing.

345. Media Arts Content and Culture
Spring. 3(3-0)
R: Not open to freshmen and sophomores.
Media content as cultural discourse. Cultural themes in content and structure of media entertainment, news, sports, religious and political programs and commercials.

352. Broadcast and Cable Programming and Audience Promotion
Fall, Spring, Summer. 3(3-0)
P: TC 200, TC 240, or approval of department. R: Not open to freshmen.
Evaluation, selection and scheduling of cable and broadcast programming. Audience promotion strategies and techniques.

354. Telecommunication Marketing and Sales Promotion
Fall, Spring. 3(3-0)
P: TC 200, ML 300.
Application of advertising and marketing concepts to broadcast stations, cable systems, program networks and telecommunications.

361. Telecommunication System and Service Policies
Spring. 3(3-0)
P: TC 200, TC 201, TC 310; ACC 230.
Services, systems, and public policy related to telephone and telecommunication.

370. History of Film and Documentary
Fall, Spring. 4(2-4)
R: Not open to freshmen.
Analysis of fiction and non-fiction forms, emphasizing social background and cultural values. Screening of significant feature and documentary films.

- 442. Advanced Video Design and Production (W)**
Fall. 4(2-4)
P: TC 342, TC 343. R: Open only to Telecommunication majors. Completion of Tier I writing requirement. Approval of department; application required. Advanced principles of studio and field production. Techniques of design, recording, editing and writing. Emphasis on electronic field production and editing.
- 443. Audio Industry Design and Management (W)**
Fall, Spring. 4(2-4)
P: TC 342, TC 343. R: Open only to Telecommunication majors. Completion of Tier I writing requirement. Approval of department; application required. Advanced audio production specializing in multi-channel techniques. Industry focus on all aspects of the audio field.
- 446. Hypermedia Design**
Fall. 4(3-2)
P: CPS 100 or CPS 130 or CPS 131; TC 342 or approval of department.
Current and future hypermedia capabilities. Applications and design of systems.
- 452. Telecommunication and Information Industries (W)**
Spring, Summer. 4(4-0)
P: TC 100, TC 200, TC 201. R: Completion of Tier I writing requirement.
Telecommunication and information industry issues including economic dynamics, market structures, business practices, and interfaces with other industries.
- 456. Multichannel Television (W)**
Fall, Spring. 4(4-0)
P: TC 352, TC 354. R: Open only to Telecommunication seniors and graduate students. Completion of Tier I writing requirement.
Television in a multichannel environment; developments in broadcasting, cable, satellite master antennae TV, direct broadcast satellite, multipoint distribution systems, and home video applications.
- 458. Telecommunication Management**
Fall, Spring, Summer. 4(4-0)
P: TC 354, MGT 302.
Theoretical and practical aspects of telecommunication management including case studies.
- 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.
- 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.
- 462C. Telecommunication Applications: Electronic Information Services**
Spring of odd-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.
- 463. Digital Telecommunication Networks**
Fall. 3(3-0)
P: TC 361. R: Approval of department.
Operation and management of common carrier, digital telecommunication systems. Digital telephony business planning and financial analysis for public telecommunication networks.
- 465. Telecommunication Network Management (W)**
Spring. 4(3-2)
P: TC 463, TC 464, MGT 302. R: Open only to Telecommunication and College of Engineering majors. Completion of Tier I writing requirement.
Techniques for analyzing organizational requirements for voice, data and image communication systems.
- 476. Telecommunication Research Methods (W)**
Spring. 4(4-0)
R: Open only to seniors and graduate students. Completion of Tier I writing requirement.
Telecommunication research methods including content analysis, sampling, experiments, surveys, statistics, ratings, polling and qualitative research.
- 477. International Telecommunication (W)**
Fall, Spring, Summer. 4(4-0)
R: Open only to seniors and graduate students. Completion of Tier I writing requirement.
Comparison of national approaches to use of television, radio, cable, telephone, data and satellite communication. Development, international interaction, data flows, propaganda, impact on cultures.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

**Descriptions — Telecommunication
of
Courses**

- 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.
- 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. 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.
- 916. Qualitative Research Methods**
Spring. 3(3-0) Interdepartmental with Journalism and Advertising. Administered by Journalism.
R: Open only to Ph.D. students in Mass Media and Communication.
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 and Journalism. Administered by 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 and Advertising. Administered by Journalism.
R: Open only to Ph.D. students in Mass Media.
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 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.

- 975. Quantitative Research Design**
Fall. 3(3-0) Interdepartmental with Advertising and Journalism. Administered by Advertising.
P: 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**

- 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.
- 101. Acting I**
Fall, Spring. 3(2-2)
Improvisational exercises, creative exercises, monologue and scene study.
- 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: 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.
- 300B. Production**
Fall, Spring, Summer. 1 credit. 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)
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.
- 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.

THR

- 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.
- 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.
- 311. Production Practicum**
Fall, Spring. 5(0-10)
P: THR 211, THR 212.
Intensive experience participating in the production program of the department.
- 312. Design Media and Techniques**
Spring of even-numbered years. 3(2-2)
P: 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: THR 311.
Intensive practicum in concepts and techniques of stage directing. Stage design, movement, tableaux, and analysis.
- 350. Plays as Film**
Fall. 3(2-2)
P: Completion of LAH requirement.
A 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)
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.
- 402. Voice Studio**
Fall, Spring. 2(0-4) A student may earn a maximum of 4 credits in all enrollments for this course.
P: THR 101. R: Open only to juniors and seniors in Theatre.
Intensive practicum in advanced techniques for developing physical awareness in voice as an instrument of expression.
- 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.
- 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.