

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 even-numbered years. 3(3-0)
Framing problems, devising alternative solutions, and predicting impacts.

970. Curriculum and Pedagogy in Teacher Education

Spring of odd-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 even-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.
QA: TC 210

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.
QP: EC 201, MTH 108 QA: TC 220

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.
QP: TC 210, TC 220 QA: TC 230

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.
QA: TC 301, TC 302

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.
QA: TC 300

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.
QP: TC 210, TC 220, TC 230 QA: TC 310

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.
QP: TC 210, TC 220, TC 230 QA: TC 302, TC 361

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.
QP: TC 230 QA: TC 301, TC 350

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.
QA: TC 395

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.
QP: TC 302 QA: TC 325

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.
QA: TC 401

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.
QP: TC 310 QA: TC 360

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.
QA: TC 280, TC 396

442. Advanced Video Design and Production

Fall. 4(2-4)
P: TC 342, TC 343. R: Open only to Telecommunication majors. 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.
QP: TC 301, TC 302, TC 361 QA: TC 421, TC 351, TC 451

443. Audio Industry Design and Management

Fall, Spring. 4(2-4)
P: TC 342, TC 343. R: Open only to Telecommunication majors. Approval of department; application required.
Advanced audio production specializing in multi-channel techniques. Industry focus on all aspects of the audio field.
QP: TC 301, TC 302 QA: TC 350

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.
QP: TC 302, CPS 115 QA: TC 440

452. Telecommunication and Information Industries

Spring, Summer. 4(4-0)
P: TC 100, TC 200, TC 201.
Telecommunication and information industry issues including economic dynamics, market structures, business practices, and interfaces with other industries.
QP: TC 220 QA: TC 452

456. Multichannel Television

Fall, Spring. 4(4-0)
P: TC 352, TC 354. R: Open only to Telecommunication seniors and graduate students.
Television in a multichannel environment; developments in broadcasting, cable, satellite master antennae TV, direct broadcast satellite, multipoint distribution systems, and home video applications.
QP: TC 325, TC 401 QA: TC 415

458. Telecommunication Management

Fall, Spring, Summer. 4(4-0)
P: TC 354, MGT 302.
Theoretical and practical aspects of telecommunication management including case studies.
QP: TC 220, TC 310, TC 335 QA: TC 401

**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 telecommunications 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