TELECOMMUNICATION TC

Department of Telecommunication
College of Communication Arts and Sciences

100. The Information Society
Fall, Spring, Summer. 3(4-0)
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 219

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 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. 4(4-2)
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.
QA: TC 300

310. Basic Telecommunication Policy
Fall, Spring, Summer. 3(3-0)
P: TC 100, TC 200, TC 210, TC 240.
Policy and plans in telecommunication systems and services in the United States and other nations.
QP: TC 310, TC 220, TC 230 QA: TC 310

342. Basic Video Design and Production
Fall, Spring. 4(4-2)
P: TC 230. 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 230, TC 230 QA: TC 302, TC 361

343. Basic Audio Production
Fall, Spring. 4(4-2)
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 animation and structure of media entertainment, news, sports, religious and political programs and commercials.
QA: TC 385

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 services, cable systems, program networks and telecommunications.
QA: TC 401

361. Telecommunication System and Service Policies
Spring. 3(3-0)
P: TC 200, TC 210, TC 310; ACC 230, Services, systems, and public policy related to telephony and telecommunication.
QP: TC 310 QA: TC 360

370. History of Film and Documentary
Fall, Spring. 4(4-2)
R: Not open to freshmen. Analysis of fiction and non-fiction films, 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(4-2)
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. 3(2-4)
P: TC 230 QA. 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

450. Hypermedia Design
Fall. 4(3-2)
P: CPS 100 or CPS 130 or CPS 131; TC 342 or approval of department. Advanced concepts and tools for the design and implementation of hypermedia applications. Interactivity and navigation in hypermedia systems.
QP: TC 301, TC 302 QA: TC 350

452. Telecommunication and Information Industries
Spring. 4(4-0)
P: TC 100, TC 200, TC 210. 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 354, TC 355. R: Open only to Telecommunication seniors and graduate students. Television in a multi-channel environment; development in broadcasting, cable, satellite and interactive media systems and home video applications.
QP: TC 325, TC 401 QA: TC 415

458. Telecommunication Management
Fall, Spring. 4(4-0)
P: TC 354, MGT 392.
Theoretical and practical aspects of telecommunication management including case studies.
QP: TC 220, TC 310, TC 356 QA: TC 401
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. QA: TC 230, TC 360

462B. Telecommunication Applications: Teleconferencing Fall, Spring, Summer. 4(3-0) 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

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. QA: TC 390 QA: TC 440


465. Telecommunication Network Management Spring, 4(3-3) P: TC 463, TC 464. 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 496, TC 430

466. 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 and qualitative research. QA: TC 335

477. International Telecommunication Fall, 3(2-2) 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 496

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 302 QA: TC 499

491. Special Topics in Telecommunication Fall, Spring, Summer. 4(4-0) R: Open only to seniors and graduate students. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department. Contemporary issues in telecommunication.

492. 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 261. 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 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 communications campaigns aimed at educating and persuading mass audiences. Strategies for message development and ongoing assessment. Techniques for audience analysis and evaluation. QA: TC 825

840. Telecommunication Media Arts Thesis 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 449 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) R: Open only to graduate students in Telecommunication or approval of department. Telecommunication properties and systems. Broadcast, common carrier, and cable capitalization. Financial and organizational, critical, and economic perspectives.

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

854. 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, Spring. 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 859

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 methodology, data analysis and data presentation, and content analysis of media messages. QA: TC 365 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.

930. 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 industries, 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

THREATRE

Department of Theatre
College of Arts and Letters

190. Theatre and Society Fall, Spring. 3(3-0) Theatre as social comment. Translation of social vision into dramatic art. Demonstration and application of theatre conventions, play genres, and production techniques. QA: THR 101