Descriptions — Teacher Education

918. Teacher Assessment and Development
Fall. 3(3-0) Completion of 27 credits at graduate level.
Concepts of teacher assessment, techniques and instruments for analysis of teaching, current assessment practices, and strategies for teacher development based on needs.

919. Psychology and Pedagogy of Reading
Spring. 3(3-0) CEP 811, T E 820A, CEP 815, or approval of instructor. Interdepartmental with and administered by the Department of Counseling, Educational Psychology and Special Education.
Psychological foundations of reading process, and instruction in reading. Cognitive processes and implications for models of reading are emphasized.

920A. Research Methods for Studying Teaching Effects I
Fall. 3(3-0) Admission to doctoral program in education-related field.
Methods, theoretical perspectives and recent research about teaching effects on student outcomes.

920B. Research Methods for Studying Teaching Effects II
Winter. 3(3-0) T E 920A.
Data collection and data analysis methods for research on teaching effects.

920C. Research Methods for Studying Teaching Effects III
Spring. 3(3-0) T E 920B.
Development of research proposal for research on teaching effects; development, piloting, and revision of data collection methods.

921. Fieldwork Research in Educational Settings I
Fall. 4(4-0) Approval of instructor.
Substantive and methodological issues in planning and conducting fieldwork research in educational settings. Knowledge and skills necessary to evaluate quality of fieldwork research. Critical review of examples of research reports.

922. Fieldwork Research in Educational Settings II
Winter. 4(4-3) T E 921, approval of instructor.
Supervised fieldwork research in educational settings. Techniques of data collection and analysis. Research question formation, entry, evidence, and ethics.

923. Fieldwork Research in Educational Settings III
Spring. 4(4-0) T E 922, approval of instructor.
Supervised analysis and reporting of fieldwork research data. Literature review, model construction, analysis of field notes and other data. Preparing narrative reports addressed to scientific audiences and to audiences of practitioners.

928. Conceptual Foundations of Educational Research
Fall. 3(3-0) Approval of instructor. Interdepartmental with the Department of Counseling, Educational Psychology and Special Education.
Epistemology and ideology in educational research. Analysis of concepts of method, causation, objectivity and subjectivity in historical perspective.

930. Educational Selection: Characteristics and Consequences of Student Assessment
Winter of odd-numbered years. 3(3-0) Doctoral student or approval of instructor.
Influence of assessment and selection of students on the shaping of student learning, educational trajectory, and access to social position.

931. Teaching: An American Argument
Spring of odd-numbered years. 3(3-0) Graduate student or approval of instructor.
Historical analysis of competing conceptions of teaching in American social thought, literature, and social science, 1850 to present; implications for understanding, criticism, and reform of teaching.

932. Enduring Dilemmas of Educational Policy
Spring of even-numbered years. 3(3-0) T E 975, T E 976, T E 977 or approval of instructor.
Enduring dilemmas that confront educational policymakers; how underlying tensions (e.g., between capitalism and democracy) shape policy on issues such as tracking, desegregation, vocationalism, and achievement.

937. Education and Economic Development
Fall. 3(0) Approval of instructor.
Relationship between education and economic development, including economic growth, income distribution, and employment.

938. Sociolinguistics, Classrooms, and Educational Inequalities
Spring. 3(3-0) Approval of instructor.
Sociolinguistic and micro-ethnographic analyses of face-to-face interaction in educational settings, focusing on classrooms as sites for both reinforcing and overcoming educational and socio-economic inequalities.

939. Policy and Legal Issues in Testing
Spring of even-numbered years. 3(3-0) CEP 431. Interdepartmental with the Department of Counseling, Educational Psychology and Special Education.
Public policy and legal issues concerning the use of standardized testing to make critical decisions about individuals in American public education.

975. Seminar: The Purposes and Effects of Schooling
Fall. every third Summer beginning 1987. 3(3-0) Admission to doctoral program in teacher education or approval of instructor.
Analysis of national and international perspectives on schooling which shape educational aspirations. Implications of different purposes of schooling for curricula, teaching force composition, pedagogical strategies, organizational arrangements, and student outcomes.

976. Seminar: Improving the Quality of Teaching
Winter; every third Summer beginning 1988. 3(3-0) Admission to doctoral program in teacher education or approval of instructor.
Consideration of various disciplines, historical and current accounts, and comparative research to improve the quality of teaching through changes in working conditions, formal teacher education, and school curricula.

977. Seminar: Consequences of Educational Reform
Spring; every third Summer beginning 1989. 3(3-0) Admission to doctoral program in teacher education or approval of instructor.
Multiple and conflicting sources, processes, and consequences of reform in educational policies and practices. Legislative and legal, curricular, institutional, professional, societal, and cross-cultural considerations.

982. Seminars in Curriculum, Teaching, and Educational Policy (MTC)
Fall. Winter. Spring. Summer. 1 to 9 credits. May reenroll for a maximum of 15 credits. Approval of department.
Seminars in teacher education doctoral emphasis areas: curriculum and instruction, disciplinary knowledge in K-12 education; research on teacher knowledge, practice, change; teacher preparation and staff development; teaching, policy, social analysis.

983. Readings and Independent Study in Curriculum, Teaching, and Educational Policy
Fall. Winter. Spring. Summer. 1 to 9 credits. May reenroll for a maximum of 15 credits. Approval of department.
Individual or group study in the various doctoral emphasis areas of curriculum, teaching, and educational policy.

999. Doctoral Dissertation Research

TELECOMMUNICATION TC

College of Communication Arts and Sciences

210. Telecommunication Process and Effects
Fall. Winter. Spring. Summer. 4(4-0) Sophomore or approval of department.
Human communication processes and behavior as modified by telecommunication. Functions, audiences, and implications of electronic media on society.

220. History and Economics of Telecommunication
Fall. Winter. Spring. Summer. 4(3-2) Sophomores. EC 201, successful completion of MTH 105.
Institutional and cultural development and underlying economic principles of the telecommunication field, including broadcast programs.
239.  Basic Telecommunication Technology  
Fall, Winter, Spring, Summer. 4(4-0)  
Sophomores, TC 210, TC 220, CPS 115.  
An analysis of technical factors involved in electronic communication: transmission, sound physics and audio technology, light physics, visual behavior and image technology, computer and automation controls, technical telecommunication policy formulation.

290.  History of the Motion Picture  
Fall, Spring. 4(2-4). Sophomores.  
Development of the motion picture from its beginning to the present, emphasizing social behavior and cultural values. Screening of significant films from various periods and countries.

300.  The Effects of Mass Communication  
Fall, Winter, Spring, Summer. 4(4-0)  
Interdepartmental with the Department of Communication.  
Major social effects of mass media on audience behavior. Political communication. Media effects on children. Message strategies producing attitude change. Interrelationship between mass media and interpersonal communication. Decision making in mass media.

301.  Basic Audio Production  
Fall, Winter, Spring, Summer. 4(2-4)  
TC 230, majors or approval of department.  
Basic orientation to audio and radio studios, with laboratory experiences in production, writing and performance.

302.  Basic Video Production  
Fall, Winter, Spring. 4(2-4) TC 230.  
Basic orientation to video and television studios, with lab experiences in production, writing and performance.

310.  Basic Telecommunication Policy  
Fall, Winter. 4(4-0) TC 210, TC 220, TC 230.  
Essential U.S. public communication policy is treated through rigorous methodological analysis of case and statutory law, public documents and related primary materials.

325.  Telecommunication Program and Production Management  
Winter. 4(4-0) TC 302 or concurrently.  
Sources of program material, economies of program market, program regulation, use of audience needs and interests, formative and summative research, programming strategy, showmanship, management of production facilities and personnel.

335.  Audience Survey and Analysis  
Winter, Spring. 4(4-0) Juniors.  
Designing research for the study of telecommunication audiences. Survey research, sampling, questionnaire construction, research administration, analysis and interpretation of research results. Audience measurement services and feedback systems.

350.  Advanced Audio Production  
Fall, Spring. 4(2-4) TC 301 and approval of department.  
Advanced audio production techniques including operation of signal processing equipment and multi-track recorders. Lecture and studio assignments culminate in multi-track studio mixdowns.

351.  Television Studio Production  
Fall, Spring. 4(2-4) TC 302, approval of department.  
Advanced television crew operations. Writing and production of programs directed by students in TC 451.

361.  Television Directing  
Fall, Winter, Spring. Summer. 4(2-4) TC 302 and approval of department.  
Television producing and directing methods with assigned experiences in the television studio.

395.  Television Content and Culture  
Winter. 4(4-0) Juniors.  
Examination of television content as a reflection of cultural values. Analysis of theme, format and dramatic structure.

396.  The Documentary Film  
Spring. 4(2-4) TC 280.  
History of documentary film and analysis of documentary types, providing a solid basis for the understanding and evaluation of the nonfiction film. Screening of significant films.

399.  Telecommunication Internship  
Fall, Winter, Spring. 1 to 5 credits. May reenroll for a maximum of 10 credits.  
Telecommunication juniors and seniors; approval of department.  
Internship in a telecommunication studio or in a government agency or business.

401.  Telecommunication Management  
Fall, Spring. 4(4-0) TC 310, Juniors.  
Sale, ratings, facility organization, departmental functions, management duties, promotion, market analysis, programming and program formats. Short case studies are used to illustrate topic areas.

410.  Property and Rights in Telecommunication  
Spring. 2-4) TC 210.  
Property rights, agreements, licenses, audience behavior, performance, program and related rights and properties used in telecommunication, communication and related information storage and processing.

415.  Cable Communication  
Fall, Winter, Spring, Summer. 4(4-0) Juniors.  
History, technology, public policy, services, economics, management and social effects of broadband cable communication systems.

421.  Electronic Field Production and Editing  
Spring. 4(2-4) TC 301, TC 302.  
Principles of videotape recording and editing in single camera production style. Historical, technical, legal and ethical aspects of electronic field production and editing. Extensive field work required.

430.  Telecommunication Computer Applications  
Fall. 4(4-0) TC 230, CPS 115 or CPS 120 or approval of department.  
Telecommunication applications for computer hardware and software. Includes consideration of human factors, policy and application to consumer, business and research sectors of telecommunication industry.

437.  Television Program Development  
Fall, Winter, Spring. 3(2-2) Senior nonmajors.  
Television production planning and practices. Designed for non-majors who desire a working knowledge of the medium for application in other fields.

440.  Videotex Systems and Applications  
Spring. TC 430 or approval of department.  
Technology assessment of one-way and interactive videotex systems and applications, system technical design, hardware, software, information providers and users. Policy, economic and social issues considered.

451.  Advanced Television Directing  
Fall, Spring, Summer. 4(4-0). TC 381, approval of department.  
Assigned experiences in television directing of programs written and produced by students in TC 381.

452.  Telecommunication Industries and Services (MTC)  
Fall, Winter, Spring. 4(4-0)  
May reenroll for a maximum of 8 credits. TC 290, TC 291, TC 399.  
Analysis of different telecommunication industries with focus on economic history, market structure, business practices, and interrelationships with other industries.

460.  Integrated Telecommunication Systems  
Winter. 4(4-0) TC 310.  
Role and function of telephony and related audio/data/image telecommunication systems, networks and services in modern society.

470.  Integrated Telecommunication Systems Operations  
Winter. 4(4-0) TC 460 or approval of department.  
Operation of voice, data, video and image communication systems. Technical features of transmission systems, protocols, architecture and terminal equipment.

480.  Integrated Telecommunication System Implementation  
Spring. 4(4-0) TC 460 or approval of department.  
Techniques for assessing organizational requirements for voice, data, video and image communication systems. Guidelines for effective implementation of integrated telecommunication systems.

489.  Telecommunication in Education  
Fall, Winter. 4(4-0) Juniors.  
Uses of telecommunication media for instructional purposes. Usage by educational and other public institutions. Corporate and industrial applications for training and education. Applications of interactive telecommunication in education.

498.  International Telecommunication  
Fall, Summer. 4(4-0) Juniors.  
Alternative approaches to television, radio, cable, and satellite communication with examples from selected national and international systems. Telecommunication's role in national development. Conflict and cooperation in information distribution and propaganda.

499.  Individual Projects  
Fall, Winter, Spring. 1 to 6 credits. May reenroll for a maximum of 8 credits.  
Junior telecommunication majors and approval of department.
Descriptions — Telecommunication of Courses

801. Telecommunication Technologies
Spring, Summer. 4(4-0) Approval of department.
Developing technologies in telecommunication, such as telephony, cable, multiple multipoint distribution services, videocassette recordings, low power television, videotext, satellite distribution. Impacts and interrelationships of services.

810. Telecommunication Policy Analysis
Winter, Spring. 4(4-0) TC 310, or approval of department.
Systematic interdisciplinary analysis of major public and private telecommunication policies applying tenets from law, political science, economics, communication, general social science and technology.

815. Multichannel TV Operations and Programming
Spring. 4(4-0) TC 401. TC 415 or approval of department.
Case studies in multichannel television system management and programming; cable, multiple multipoint distribution service, satellite master antenna TV, direct broadcast satellite.

821. Mass Communication Theory and Research
Fall. Spring. 4(4-0)
Current behavioral science theories and research, e.g., media institutions, decision-making, mass media exposure patterns, diffusion of news and influence, effective message strategies, political communication, and mass media in socialization.

822. Art Instructional Media Laboratory II — Television
Fall, Winter, Spring, Summer. 4(1-9) May reenroll for a maximum of 8 credits. Approval of department. Interdepartmental with and administered by Studio Art.
Analysis of teaching video tapes and television programs in art. Utilization of television as a medium of artistic expression and communication for application to art education or related fields.

825. Seminar in Instructional Television
Spring. 3(3-0) Approval of department. Interdepartmental with and administered by the Department of Counseling, Educational Psychology and Special Education.
Television use in instruction, particularly as it concerns the learner, the classroom teacher, the instructional developer and the administration.

830. The Television Producer
Winter. 4(4-0) TC 381 or approval of department.
Producer's functions in planning and supervising the execution of television programs, with emphasis on content, organization and use of production techniques to secure the intended audience response.

831. Media Research I
Fall. 4(4-0) Approval of department. Interdepartmental with the Department of Advertising.
Survey and experimental research designs and their relationship to mass media problems. Applied mass media research, audience research, consumer studies, mass media message research.

832. Media Research II
Winter. 4(4-0) TC 381. Interdepartmental with the Department of Advertising.
Data analysis techniques and presentation of mass media research data. Models for the study of mass media research problems.

840. News and Public Affairs Programming
Winter. 4(4-0) Approval of department.
Analysis of broadcast journalism functions in relation to program design. Writing practice in analytic and editorial forms. Programming responsibilities, legal and ethical restraints.

841. News and Public Affairs Producing
Spring. 4(2-4) Approval of department.
Researching, writing and producing extended news and public affairs reports.

850. Telecommunication Sales and Sales Management
Winter. 4(4-0) TC 401 or approval of department.
The sales process for telecommunication account executives. Development and presentation of an actual sales presentation. Direction and supervision of facility sales and promotion personnel, setting up compensation plans.

851. Telecommunication Financial Management
Spring. 4(4-0) TC 832.
Financial analysis of broadcast stations and cable systems, acquisition criteria, recapitalization, and evaluation of system performance. Role of finance and managerial economics in pricing, profit maximization. Application of forecasting techniques.

852. Telecommunication Industries
Spring. 4(4-0) EC 291 or approval of department.
Economic examination of telecommunication industries, with emphasis on market structure, conduct, performance, program diversity, new technologies, recent regulatory policies, antitrust, and common carrier.

859. Telecommunication and Development
Fall. 4(4-0) TC 498 recommended.
Role of telecommunication and electronic media in change and development in Third World within frameworks of diffusion of innovations, critical and dependency theories.

870. Comparative Telecommunication Systems
Winter. 4(4-0) TC 498 or approval of department.
Comparative analysis of broadcasting, cable, satellite and telephone systems. Emphasis on development and economics policy, historical and cultural context; consideration of both content and structure in developed and developing countries.

871. International Telecommunication Systems and Issues
Spring. 4(4-0) TC 498 or approval of department.
International issues: crossborder radio, television, sales/flows, foreign investment, transborder data flow, satellite broadcasting. Institutions such as ITU, UNESCO, INT'L SAT and Eurovision.

880. Public Broadcasting
Winter. 4(4-0) TC 489 or approval of department.
Investigation of the role, organization, and problems of non-profit broadcasting by television and radio, especially since its recognition by federal legislation as an alternate program service to commercial broadcasting in the United States.

890. Special Problems
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 6 credits. Approval of department.

899. Master's Thesis Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

910. Public Policy in Mass Media II
Spring. 4(4-0) Students in the Ph.D. Program in the Mass Media or approval of department.
Analysis of theory, documents and research in public policy as it relates to mass media including administrative, antitrust, copyright, advertising and communication policy.

931. Mass Media and the First Amendment
Fall. 4(4-0) Advanced graduate students, Interdepartmental with the Department of Advertising and the School of Journalism. Administered by the School of Journalism.
First amendment rights and the mass media. Analysis in depth of past and present public policy in areas of confrontation over guaranteed rights of freedom of expression.

THEATRE

College of Arts and Letters

101. Theatre Appreciation: Foundations
Fall, Winter, Spring, Summer. 3(3-0).
An overview of theatre arts as a recreational, cultural and social force in contemporary life; fundamentals of play production.

104. Introduction to Costuming
Fall, Winter, Spring. 3(2-2)
Introductory study of theatrical costuming including theory, patterning, materials, construction and history of dress.

211. Sophomore Acting Practicum
Fall. 4(0-10) THR 223 or approval of department.
Intensive training in rehearsal techniques and performance skills through exercises, improvisation and scenes. Emphasis is placed on individual expression, development and potential.

212. Stage Voice Practicum
Winter. 4(0-10)
Intensive training in breathing, tone production, articulation, and phrasing through exercises and performance projects. Emphasis is placed on helping students understand their voice and speaking potentials.

221. Introduction to Technical Theatre
Fall, Winter, Spring, Summer. 3(2-2)
Fundamentals of the technical aspects of stage practice with an opportunity to practice basic technical theatre skills in the department shops.

223. Introduction to Acting
Fall, Winter, Spring. 4(1-6)
Training beginning performers to utilize their experiences to develop themselves as artistic instruments.

300A. Rehearsal
Fall, Winter, Spring. Summer. 1(0-3)
May reenroll for a maximum of 7 credits. Approval of department.
Rehearsal in department's major productions.