480. Integrated Telecommunication System Implementation
Spring. 4(4-0) TC 480 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 Systems
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, Summer. 1 to 6 credits. May reenroll for a maximum of 8 credits.
Junior telecommunication majors and approval of department.

501. 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.

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
Fall, 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 relationships 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 831. 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(3-4) Approval of department.
Researching, writing and producing extended news and public affairs reports.

850. Telecommunication Industries
Winter. 4(4-0) Approval of department.
The sales process for telecommunication accounts. Direction and supervision of facilities sales and promotion personnel, setting up compensation plans.

852. Telecommunication Industries
Spring. 4(4-0) EC 301 or approval of department.
Economic examination of telecommunication industries with emphasis on market structure, conduct, performance, program diversity, new technologies, recent regulatory policies, anti-trust, 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, cable, satellite, long distance, foreign aid, international broadcasting and diffusion, cultural context; consideration of both content and structure in developed and developing countries.

880. Public Broadcasting
Winter. 4(4-0) TC 498 or approval of department.
Investigation of the role, organization, and problems of non-commercial 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 8 credits. Approval of department.

900. 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, anti-trust, 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. 3(3-0)
An overview of theatre arts as a recreational, cultural and social force in contemporary life; fundamentals of play production.
### Theatre Description

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<th>Course Name</th>
<th>Description</th>
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<td>Sophomore Acting Practicum</td>
<td>Fall, 4(0-10) THR 223 or approval of department.</td>
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<td>320</td>
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<td>321</td>
<td>Theatre Production Design</td>
<td>Fall, Spring, 4(0-12) THR 101, THR 104, THR 221, THR 223 or approval of department. THR 320 concurrently. Study and practice in drafting and the use of graphics for the stage, plus practical shop work on departmental productions.</td>
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<td>322</td>
<td>Intermediate Acting</td>
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<td>401A</td>
<td>Dance Studio I</td>
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<td>401B</td>
<td>Dance Studio II</td>
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<td>432</td>
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<td>Advanced Theatrical Makeup</td>
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<td>434</td>
<td>Stage Costume Design</td>
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<td>Advanced Stage Scenery Design</td>
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<td>436</td>
<td>Stage Lighting Design</td>
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**A-217**
Description — Theatre

Courses

437. Scene Painting
Fall of odd-numbered years. 3(0-6)
Majors or approval of department.
A “hands-on” course which introduces and explores the styles, techniques and materials necessary for painting scenery for the stage.

475. Black African Theatre Forms
Spring of even-numbered years. 3(0-6)
Approval of department.
Overview of selected Caribbean and African playwrights. Examination of performance styles and historical situations that may affect the playwright.

477. Development of Theatre I
Fall of even-numbered years. 3(0-6)
Origins and evolution of Western physical theatre from 300 B.C. to 1850 A.D. with emphasis on theatre as a performance art and a social expression.

478. Development of Theatre II
Fall of odd-numbered years. 3(0-6)
Crisis and change in theatre forms since 1850 with emphasis on the emergence of the stage director and the influence of new technology.

479. Black American Theatre
Spring of odd-numbered years. 3(0-6)
Black American Theatre from its beginning in ritual theatre and oral tradition of Africa through its redefinition in America.

480. American Theatre History
Spring of even-numbered years. 3(0-6)
Focus on major events and artists of the American Theatre from 1665 to the present.

481. Direction and Design: Styles
Spring of odd-numbered years. 3(0-6)
THR 303.
Provide background in historic research skills and historic production techniques.

483. Theatre Organization and Management
Fall. 3(3-0)
Administration, organization and philosophy of theatre.

489. Tour
Spring. 3(0-6) May reenroll for a maximum of 6 credits. Approval of department.
Rehearsal for and participation in the various departmental touring productions.

490. Theatres of India and Southeast Asia
Winter of odd-numbered years. 3(0-6)
Origins and development of major theatre forms of India and Southeast Asia supplemented by significant plays illustrative of the cultural traditions, religious ritual and social revolution.

491. Theatres of China and Japan
Winter of even-numbered years. 3(0-6)
Origins and development of major theatre forms of China and Japan supplemented by key plays and their unique manner of presentation.

493. History of Dance I
Fall of even-numbered years. 3(0-6)
Approval of department.
Historical overview of dance to 1900. Emphasis on various dance forms, artists and cultures.

494. History of Dance II
Winter of odd-numbered years. 3(3-0)
Approval of department.
The history of dance from 1900 to the present. Focus on various dance forms, philosophies and personalities, including those of the American musical theatre.

499A. Readings in Special Theatre Problems
Fall, Winter, Spring. 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.
Independent study projects related to specific problems in the production of advanced and/or experimental nature. Taught tutorially.

499B. Design Tutorial
Fall, Winter, Spring. 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.
Independent study projects related to specific problems in the design and/or experimental nature. Taught tutorially.

499C. Directing Tutorial
Fall, Winter, Spring. 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.
Independent study projects related to specific problems in direction of an advanced and/or experimental nature. Taught tutorially.

499D. Children's Theatre Tutorial
Fall, Winter, Spring. 3 to 6 credits. May reenroll for a maximum of 12 credits. THR 421, THR 422.
Independent study projects related to specific problems in children's theatre or creative dramatics.

512. Introduction to Veterinary Practice and Animal Behavior
Winter. 3(2-0) First year Veterinary Medicine students.
Animal behavior including patterns, inheritance, learning, communication, sleep patterns, social structure, physical examination, digestive and eliminative, human-animal bonding; solving behavior problems; medical record development and establishing client relationships.

805. Studies in Comparative Theatre and Drama
Fall. Winter, Spring, Summer. 3(3-0)
May reenroll for a maximum of 12 credits. Approval of department. Interdepartmental with the Department of English.
Comparative study of selected playwrights, movements, trends and developments in world drama from the beginnings to the present day.

806. Advanced Directing Practices
Winter, Summer. 4(4-0) May reenroll for a maximum of 12 credits. Approval of department.
Directing theory and practice in the 20th century. Study and laboratory experimentation.

808. History of Dance I
Fall, Winter, Spring. 3(3-0)
May reenroll for a maximum of 12 credits. Approval of department.
Selected periods in Western and Asian Theatre History emphasizing the theatre as a cultural expression and a performing art.

809. Acting Theory
Fall. 2(2-0) Approval of Instructor.
Discussion of the theories, processes, techniques, and styles of acting set forth in the writings of prominent performers, teachers, and critics.

900. Special Problems—Theatre
Fall, Winter, Spring. 1 to 6 credits. May reenroll for a maximum of 15 credits.
Special problems in theatre research and experimentation with emphasis on the relation of theatre to other disciplines.

999. Doctoral Dissertation Research
Fall, Winter, Spring. Variable credit. Approval of department.

URBAN PLANNING

See Geography.

VETERINARY MEDICINE VM (COLLEGE OF)

512. Physical Examination and Animal Handling I
Winter. 2(0-6) First year Veterinary Medicine students.
Techniques for restraint and examination of horses, poultry, dogs, cats, caged birds, inspections of production units.

515. Introduction to Veterinary Practice and Animal Behavior
Winter. 3(2-0) First year Veterinary Medicine students.
Animal behavior including patterns, inheritance, learning, communication, sleep patterns, social structure, physical examination, digestive and eliminative, human-animal bonding; solving behavior problems; medical record development and establishing client relationships.