

609. Otolaryngology Clerkship

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

Common otolaryngologic disorders, emergencies, including diagnosis and treatment, and judgments concerning proper management by primary physicians.

610. Plastic Clerkship

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

Principles of wound healing and tissue repair. Indications and applications of plastic procedures.

611. Urology Clerkship

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

Demonstration of clinical manifestations of genito-urinary disease, investigative methods and techniques of diagnosis and management, familiarity with urologic emergencies and performance of basic urologic skills.

612. Rectal Surgery

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

Data collection, physical examination, and problem formulation relating to colon and rectal disease. Involvement in special techniques, examinations, and surgical procedures is an important aspect of the experience.

613. Orthopedic Clerkship

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

Diagnostic and management information and skills, including emergencies, in common orthopedic problems.

614. Neurosurgery Clerkship

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

A hospital-based experience to provide the student with familiarity with the field and understanding of the contribution of neurosurgery in medicine generally.

615. Ophthalmology Clerkship

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

Development of skills and knowledge in ophthalmology, neuro-ophthalmology, visual function, and management of problems such as glaucoma, the red eye, and trauma.

616. Thoracic Surgery Clerkship

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

Problem-solving in thoracic medicine and surgery, also stressing pulmonary physiology, use of diagnostic tools and tests, and indications for surgical procedures.

617. Emergency Medicine Clerkship

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.

Exposure to acute problems of wide variety is provided by this experience. Evaluation, management and disposition of patients is seen in the framework of the continuing patient care system.

SYSTEMS SCIENCE

See Electrical Engineering and Systems Science.

TELECOMMUNICATIONS TC

College of Communication Arts and Sciences

120. Telecommunication in the United States

Fall, Winter, Spring. 3(3-0) Non-majors.

History, economics, public control, programming, social effects and future of telecommunication; primarily radio and television broadcasting and cable communication. Citizen responsibilities in the development of telecommunication systems and services.

150. Introduction to Telecommunication

Spring. 3(3-0) Majors.

Nature, development, economics, social control and influence of the telecommunication media in modern society.

201. Fundamentals of Radio Broadcasting

Fall, Winter, Spring, Summer. 4(2-4)

150. Basic orientation to the radio studio, with laboratory experiences in production, writing, and performance.

202. Fundamentals of Television Broadcasting

Fall, Winter, Spring. 4(2-4) 201.

Basic orientation to the television studio, with laboratory experiences in production, writing, and performance.

280. History of the Motion Picture

Fall, Winter. 4(2-4) Sophomores.

Development of the motion picture from its beginning to the present, emphasizing social background and cultural values. Screening of significant films from various periods and countries.

310. Basic Telecommunication Policy

Winter, Spring. 4(4-0) 150, Juniors, approval of department.

Essential U.S. public communication policy is treated through rigorous methodological analysis of case and statutory law, public documents and related primary materials.

333. Television Directing

Fall, Winter, Spring, Summer. 4(2-4) 202 and approval of department.

Television producing and directing methods with assigned experiences in the television studios.

335. Television and Radio Audience Studies

Winter, Summer. 3(3-0) Juniors.

Analysis and evaluation of broadcast audience measurement services and other feedback systems. Broadcast audience characteristics, attitudes and behavior.

350. Advanced Radio Production

Winter, Spring. 4(2-4) 201 and approval of department.

Planning, coordinating and producing the radio program. Emphasis on documentary and studio productions utilizing original ideas and methods.

351. Television Studio Production

Fall, Spring. 4(2-4) Junior majors, 202 and approval of department.

Advanced television crew operations. Writing and production of programs directed by students in 451.

390. Cinema I

Fall. 4(3-2) 280 and approval of department.

Survey of the film production process: concepts, techniques, procedures, problems, tools. Emphasis on production as the execution of film design.

399. WKAR-TV Internship

Fall, Winter, Spring. 2 credits. May re-enroll for a maximum of 4 credits. 202; television-radio majors only; approval of department.

Internship in television studio operation.

401. Television and Radio Station Management

Fall, Spring. 4(4-0) Seniors and 15 credits in television and radio courses.

Problems of station management in budgeting, programming, sales, government regulation and community relations.

402. Television and Radio Station Programming

Winter, Spring. 4(4-0) Seniors and 15 credits in television and radio courses.

Objectives and methods of planning television and radio programs. Evaluation of individual program formats and their relation to various types of audiences and markets. Laws and regulations affecting programming.

415. Cable Communication

Winter. 4(4-0) Juniors.

History, technology, public policy, services, economics, management and social effects of broadband cable communication systems.

437. Television Program Development

Winter, Summer. 3(1-4) Senior non-majors.

Television production planning and practices. Designed for non-majors who desire a working knowledge of the medium for application in other fields.

451. Advanced Television Directing

Fall, Spring. 3(0-6) Senior majors, 333 and approval of department.

Assigned experiences in television directing of programs written and produced by students in 351.

489. Television and Radio in Education

Fall, Summer. 4(4-0) Seniors, Juniors with approval of department.

Uses of broadcast media for instructional purposes, both on-the-air and in the classroom. Current usages by institutions of higher learning and public schools, including both broadcasting and closed-circuit television. Survey of research studies of the effects of educational broadcasting. Types of educational programs are evaluated. Specialists in educational radio and television participate as guest lecturers.

**Descriptions — Telecommunications
of
Courses**

- 490. Cinema II**
Spring. 4(1-6) 390 and approval of department.
Theory and practice in film production: script, scheduling, shooting, editing, sound. Elaboration and implementation of Cinema I concepts.
- 498. International Broadcasting**
Fall, Summer. 4(4-0) Seniors; Juniors with approval of department.
Important national and international systems of broadcasting, their history, programming patterns and control.
- 499. Individual Projects**
Fall, Winter, Spring, Summer. Variable credit. Approval of department.
- 801. Trends and Issues in Broadcasting**
Spring, Summer. 4(4-0) Approval of department.
Salient issues and prevailing trends in broadcasting. Consideration of inter-dependencies and relationships within and between broadcasting organizations and society.
- 822. Art Instructional Media Laboratory II—Television**
Fall, Winter, Spring, Summer. 4(1-9) May re-enroll for a maximum of 8 credits. Approval of department. Interdepartmental and jointly administered with the Department of 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, Summer. 3(3-0) Approval of department. Interdepartmental with and administered by the College of 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) 333 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. Research Methods in Broadcasting**
Fall, Summer. 4(4-0) Approval of department.
- 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. Broadcast Management: Sales and Promotion**
Winter. 4(4-0) 401 or approval of department.
Direction and supervision of station sales and promotion personnel in securing and servicing national, regional and local accounts.
- 851. Broadcast Management: Profit and Personnel**
Spring. 4(4-0) 401 or approval of department.
The management of station finances and the motivation of station personnel.
- 880. Public Broadcasting**
Winter. 4(4-0) 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.
- 885. Teaching of Broadcasting**
Summer. 4(4-0) Approval of department.
Philosophy and objectives of instruction in broadcasting. The undergraduate and graduate curricula. The content of radio and television courses and methods of teaching.
- 890. Special Problems**
Fall, Winter, Spring, Summer. Variable credit. Approval of department.
- 899. Research**
Fall, Winter, Spring, Summer. Variable credit. Approval of department.
- 941. Evaluation and Criticism in Broadcasting and Film**
Winter. 3(3-0) Approval of department.
Formulation and application of standards for objective appraisal of the social, ethical and artistic aspects of radio, television and film programs.
- 990. Global Broadcasting: Foreign Domestic Systems**
(1995.) Winter. 4(4-0) 498 or approval of department.
Organization, financing, and programming as related to historic and cultural determinants. Special emphasis on the role of broadcasting in developing nations.
- 991. Global Broadcasting: International Systems**
(1995.) Spring. 4(4-0) 498 or approval of department.
Propaganda and information services. International coordinating organizations such as ITV, UNESCO, Eurovision, and Interservice. Developments in satellite communication.
- 103. Theatre Foundations: Stagecraft**
Fall, Winter, Spring, Summer. 3(0-6) Majors.
Materials utilized in theatre and necessary fabrication skills. Emphasis on structural qualities, color theory and design fundamentals.
- 204. Intensive Sophomore Practicum**
Fall, Winter, Spring, Summer. 12(0-40) Theatre apprenticeship conducted on MSU campus and at Calumet Theatre.
See THR 201 for areas covered.
- 211. Sophomore Acting Practicum I**
Fall. 4(0-10) 101, 103 or approval of department.
Intensive preparation of actor's physical and vocal instrument through exercises and improvisation and scene study.
- 212. Sophomore Acting Practicum II**
Winter. 4(0-10) 211 or approval of department.
Continuation of 211.
- 213. Sophomore Acting Practicum III**
Spring. 4(0-10) 211, 212 or approval of department.
Continuation of 212.
- 221. Introduction to Technical Theatre**
(240A). Fall, Winter, Spring, Summer. 4(2-2) Non-majors only.
To acquaint the student with fundamental practice of stage appreciation and discipline with an opportunity to practice basic technical theatre skills.
- 223. Introduction to Acting**
(243.) Fall, Winter, Spring, Summer. 4(0-4) Non-majors only.
Training the beginning actor to utilize his experiences to develop himself as an artistic instrument.
- 300A. Rehearsal**
Fall, Winter, Spring, Summer. 1(0-1) May re-enroll for a maximum of 6 credits. Combined credits in 300A and 300B may not exceed 6. Approval of director.
A minimum of 6 hours of rehearsal per week in the public performance program of the University Theatre.
- 300B. Production**
Fall, Winter, Spring, Summer. 1(0-1) May re-enroll for a maximum of 6 credits. Combined credits in 300A and 300B may not exceed 6. Approval of technical staff.
A minimum of 6 hours of production assignment per week in the public performance program of the University Theatre.

THEATRE **THR**
College of Arts and Letters[†]

- 101. Theatre Appreciation: Foundations**
Fall, Winter, Spring, Summer. 3(3-0).
Theatre arts as a recreational, cultural and social force in contemporary life; fundamentals of play production and analysis for critical appreciation.
[†]Effective January 1, 1971. Formerly in College of Communication Arts.
- 301. Directing and Design Practicum I**
Fall, Winter, Spring, Summer. 4(3-3) 204 and approval of department.
Practice in directing for the theatre emphasizing the concept of the stage as an expressive medium for movement and graphic design.
- 302. Directing and Design Practicum II**
Fall, Winter, Spring, Summer. 3(0-4) 301 or approval of department.
Continuation of 301.