609. Otolaryngology Clerkship
Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 609.
Common otolaryngologic disorders, emergencies, including diagnosis and treatment, and judgment concerning proper management by primary physicians.

610. Plastic Clerkship
Fall, Winter, Spring. 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 609.
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 colorectal disease. Application of 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 609.
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, vision 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 telecommunications: primarily radio and television broadcasting and cable communication. Citizen responsibilities in the development of telecommunications 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. 4(2-4) Majors.
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) Majors.
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) Sophomore.
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) 333 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.
490. Cinema II
Spring. 4(1-6) 390 and approval of department.
Theory and practice in film production: script, scheduling, shooting, editing, sound. Familiarization 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(1-8) 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 function 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. 2(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.

855. Broadcast Management: Foreign Domestic Systems
Winter. 4(4-0) 498 or approval of department.
Organizations, financing, and programming as related to domestic and cultural determinants. Special emphasis on the role of broadcasting in developing nations.

900. Global Broadcasting: Foreign Domestic Systems
Winter. 4(4-0) 498 or approval of department.
Organizations, financing, and programming as related to historic and cultural determinants. Special emphasis on the role of broadcasting in developing nations.

990. Global Broadcasting: International Systems
Spring. 4(4-0) 498 or approval of department.
Propaganda and information services. International coordinating organizations such as ITU, UNESCO, Euronews, and Internews. Development in satellite communication.

THEATRE

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.

103. Theatre Foundations: Stagecraft
Fall, Winter, Spring, Summer. 3(0-0)
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(0-4) Theatrical 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 experience 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.

301. Directing and Design Practicum I
Fall, Winter, Spring. Summer. 4(3-3) 304 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.