

**SURGERY\***

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**College of Human Medicine**

**608. Surgery Clerkship**

Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 43 credits. H M 602.

An introduction to the surgical patient, stressing surgical diagnosis, pre-operative evaluation and post-operative care. Objectives are designed to help the student attain acceptable levels of surgical competence for physicians.

**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 ophthalmoscopy, 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.

\*Established February, 1971.

**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.

**TELEVISION AND RADIO**

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**College of Communication Arts**

**100. Foundations of Broadcasting**

(271.) Fall, Spring, Summer. 3(3-0)  
Origin, development, nature, and function of radio and television in modern society.

**201. Fundamentals of Radio Broadcasting**

(272.) Fall, Winter, Spring, Summer. 4(2-4) 100. Sophomore television-radio majors.

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

**202. Fundamentals of Television Broadcasting**

(352.) 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.

**333. Television Directing**

(433.) 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**

(450.) 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.

**386. Broadcast Promotion**

Winter, Spring. 4(4-0) 202 and Juniors.  
Purpose, creation and production of promotional ideas and material in broadcasting. Introduces the student to the promotional facet of broadcasting, relating it to increasing sales, audience size and improving public relations.

**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.

**401. Television and Radio Station Management**

(485.) 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**

(486.) 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.

**403. Current Issues in Broadcasting**

(497.) Spring. 4(4-0) Seniors and 15 credits in television and radio courses.  
Critical examination of contemporary problems and issues in broadcasting. Resident and outside speakers. Preparation of significant research paper.

**437. Television Program Development**

Winter, Summer. 3(3-0) 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.

**490. Cinema II**

(391.) 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.