949. Advanced Applied Stochastic Processes
Winter. 4(4-0) MGT 835, 937. Interdepartmental with and administered by the Management Department.
Selected topics from the following areas: Semi-Markov, Markov-renewal and regenerative processes, Markov and semi-Markov decision processes, decision theory, applications from production, inventory, reliability, queuing, and gaming theory.

971. Advanced Theory of Statistics I
Fall. 3(3-0) 873, MTH 927, 981 or concurrently.

972. Advanced Theory of Statistics II
Winter. 3(3-0) 971; 982 or concurrently.

973. Advanced Theory of Statistics III
Spring. 3(3-0) 972.
Continuation of 972.

981. Advanced Theory of Probability I
Fall. 3(3-0) 883; MTH 927 or approval of department.

982. Advanced Theory of Probability II
Winter. 3(3-0) 981 or approval of department.

983. Advanced Theory of Probability III
Spring. 3(3-0) 982 or approval of department.

990. Problems in Statistics and Probability
Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 10 credits. 873.
Seminar or individual study on an advanced topic in statistics.

995. Topics in Statistics and Probability
Fall, Winter, Spring. Variable credit.
Nonparametric statistics, multivariate statistical analysis, statistical time series analysis, Bayesian statistics, reliability theory, stochastic approximation, design of experiments, sets of decision problems, stochastic processes, sequential analysis, other topics.

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

STUDIO ART
See Art.

SURGERY*
College of Human Medicine

608. Surgery Clerkship
Fall, Winter, Spring, Summer. 1 to 17 credits. May re-enroll for a maximum of 34 credits. H M 602.
An introduction to the surgical patient, assessing 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 genitourinary 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.
Diagnosis 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.

TELECOMMUNICATION*
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
Fall, Spring. 4(4-0) 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)
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(3-0) 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.

*Name change effective July 1, 1975.
Formerly Department of Television and Radio.
†Name change effective July 1, 1975.
Formerly College of Communication Arts.