Listed below are courses which have recently been approved for inclusion in the current Undergraduate Catalogue; some of which will be offered for the second semester of this academic year.

DEPARTMENT OF SPEECH AND THEATRE

ST 215 Speech for Radio and Television
Study and practice of styles and techniques of speech for broadcasting. 3 crs.

ST 270 Community Theatre
Trends, organization, and practices of local and regional theatrical groups. Non-performance. 3 crs.

ST 271 Stage Make-up
Study and practice in the art of straight and character make-up for stage, television, and film. Two contact hours per week twice weekly. To be offered annually during the 4th quarter. 1 cr.

ST 272 Stage Costuming
A study of period fashions and principles of costume design. Two contact hours per week twice weekly. To be offered in alternate years. 1 cr.

ST 373 Theatre Management
Prq: ST 370
Study of the commercial aspects of theatrical production: publicity, programs, financing, ticket sales, and house management. 3 crs.

ST 375 Scene Design
Prq: ST 370
Theory and practice of designing for stage productions. Laboratory fee. 3 crs.

DIVISION OF NATURAL SCIENCES AND MATHEMATICS

NS 400 Senior Interdisciplinary Seminar in Environmental Science
Prq: An introductory course in environmental science or permission of instructors.
Current environmental issues will be discussed and analyzed in detail from an interdisciplinary viewpoint. The importance of thorough analysis and planning in developing long term solutions to environmental problems will be emphasized. Faculty with appropriate interdisciplinary backgrounds will participate. Three one-hour meetings weekly. 3 crs.

DEPARTMENT OF BIOLOGICAL SCIENCES

BI 170 Biology and Human Thought
The science of living organisms in relation to the cultural development of humans. The sources of modern biology, concepts of evolution, and levels of biological organization are included. Primarily for non-science majors. Three one-hour lectures per week. 3 crs.

BI 227 Introduction to Animal Behavior
Prq: BI 101, 102 or equivalent or permission of instructor. (A course in physiology is recommended.)
An introduction to the study of animal behavior, primarily from the ethological view but including contributions from other disciplines to achieve a synthesis of theory regarding the behavior of animals. Topics to be covered include social behavior, display and ritualized behavior, aggression, appetitive and consummatory behavior, fixed action patterns, homing and migration, circadian and other rhythms, learned and innate elements of behavior, and animal communications. Two lecture periods and one two-hour lab period weekly. 3 crs.
DEPARTMENT OF BIOLOGICAL SCIENCES (continued)

BI 430 Biological Electron Microscopy
Prq: BI 427 or permission of instructor.
An introduction to the techniques of tissue preparation including fixation, dehydration and embedment procedures, followed by sectioning and staining. Practical use of the electron microscope to observe and record images of specimens and photographic darkroom techniques necessary to prepare acceptable electron micrographs. One lecture and one four-hour lab period weekly.

BI 481 Sensory Physiology
Prq: BI 101, 102 or equivalent.
Discussion on the structure and function of human sensory receptors: vision, hearing, touch, smell, taste; muscle receptors and autonomic system receptors. Two lectures and one two-hour lab period weekly.

DEPARTMENT OF CHEMICAL SCIENCES

CH 290 Environmental Chemistry
A study of the chemical aspects of such environmentally important problems as air and water pollution, solid waste disposal, thermal pollution, wastewater treatment, environmental antagonists, mercury pollution, the internal combustion engine, or other topics of current interest. Laboratory work will be concerned with techniques for detecting, monitoring and controlling environmental phenomena. Emphasis will be placed on the use of analytical techniques in determining ecological parameters. Lecture, laboratory and assigned special projects in the field.

DEPARTMENT OF MATHEMATICS

MA 180 Computer Programming With Applications
Prq: Approval of the student's major department.
Approximately ten weeks of the course will be devoted to the following topics under the direction of a member of the Mathematics Dept.: Programming in the Basic language using the Kronos time-sharing system, use of "canned" programs, elementary data processing techniques, solution of simple arithmetic and algebraic problems. Approximately five weeks of the course will be devoted to computer applications to problems arising in the student's major field of interest. The latter will be under the direction of a faculty member in the student's major field. MA 180, MA 190, MA 290, only one of these may be offered for credit.

MA 382 Switching Theory
Prq: MA 301 and MA 290.
Boolean algebra and functions. Combinational and sequential logic nets, threshold logic, minimization theory, completeness theorems. Introduction to automata theory.

MA 491 Computer Seminar
Prq: MA 292
Exploration of interdisciplinary uses of computers. Problems arising through the increasing use of computers in our society. Seminar will be project oriented and students will present their work to the class for discussion and criticism.

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

PE 221 Aesthetics of Sport and Dance
An examination of the theories used to explain that which precipitates the aesthetic emotion. Emphasis will be given to the research dealing with significant form and dynamic symmetry which is currently being published in aesthetics in sport and dance. Also the epistemological concepts governing static form and dynamic form.