A-66

412. Fruit and Landscape Crop Physiology II
Winter of odd-numbered years. 4(3-2) Juniors.
The flowering and fruiting of woody plants.

416. Handling and Storage of Horticultural Crops
Winter. 4(4-0) Juniors.
Biological principles involving physical movement of fresh products from farm to consumer; physiological processes affecting maturity, quality and condition; selection and use of handling, storage, and transport facilities.

417. Controlled Plant Environment
Fall. 4(3-4) BOT 361 or 414.
Control of greenhouse environment and its effect on growth and production of horticultural crops.

419. Small Fruits
Winter. 3(3-0) Juniors.
Production, culture, utilization and physiology of strawberries, grapes, blueberries and raspberries.

421. Principles of Plant Propagation
Winter. 4(3-2) Juniors.
Principles of plant propagation by seed, cutting, layering, and grafting; stress and stock relationships; practices employed by nurseries in propagation of plants.

424. Pesticide and Growth Regulating Chemicals for Horticultural Crops
Spring. 3(2-2) Juniors.
Spray and dust equipment and application; pesticides and growth regulating chemicals, their use in the growing of horticultural crops, and influence on the physiology of the plant.

432. Vegetable Crop Physiology
Fall and Spring of odd-numbered years. 4(3-2) May re-enroll for a maximum of 8 credits. Juniors.
Modern technology used in production of important fresh market and processing vegetables. Field trips to commercial vegetable areas required.

433. Greenhouse Crop Production Management
Winter. 4(3-2) May re-enroll for a maximum of 8 credits.
Principles of floriculture crop physiology; includes control of environmental conditions, and management. Emphasis on cut flowers in even-numbered years on container-grown plants in odd-numbered years.

440. Nursery Management
Fall of even-numbered years. 3(2-2) Juniors.
Management practices employed by wholesale, retail and landscape nurseries. Field trips to nurseries required.

801. Research Procedures in Plant Science
Winter. 4(3-2) Approval of department.
Ordinary approach to problems of biological research in relation to basic principles of research.

805. Growth and Development
Winter. 4(4-0) BOT 361 or 414, 415.
Morphological and physiological changes in horticultural plants as induced by growth regulators.

809. Water and Nutritional Requirements
Fall. 4(3-2)
Factors affecting nutrition and methods and techniques for evaluating nutrient requirements for crop production.

810. Seminar
Fall, Winter. 10(0-1)

825. Post Harvest Physiology
Spring. 4(3-2)
Biochemical and biophysical changes associated with the maturation, ripening and senescence of harvested horticultural plants.

830. Advanced Horticultural Studies
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

899. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

951. Cytogenetics in Plant Breeding
Winter of odd-numbered years. 3(3-0) BOT 82 and 819; approval of department. Interdepartmental with and administered by the Crop Science Department.
Application of cytogenetic principles to plant breeding. Significance of recombination, role of induced mutations, polyploid, chromosome substitution, and aneuploid analyses as they apply to the field of plant breeding.

953. Cytogenetics in Plant Breeding Laboratory
Winter of odd-numbered years. 3(0-6) CSC 951 or concurrently. Interdepartmental with the Crop Science Department.
Laboratory course to accompany CSC 951.

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

HOTEL, RESTAURANT AND INSTITUTIONAL MANAGEMENT

College of Business

102. Introduction to the Service Industries
Fall. Spring. 3(2-2)
Management careers and opportunities in hotel, motel, food service, health facilities, club, recreational centers, tourism and other public hospitality businesses. Includes front office practice. Local field trip required.

203. Service Industry Accounting
(203A, 355.) Fall, Winter. Summer of odd-numbered years. 4(3-2) AFA 292.
HUMAN MEDICINE

499. Seminar in Medicine and Society
(MED 499.) Fall, Winter, Spring. 2(3-0). Must re-enroll for a maximum of 6 credits. Human Medicine students.
Medicine in its wider social and cultural context. Health viewed as an expression of the person's total functioning - sociocultural, psychological, and biological - with illness regarded as the result of a dysfunction in any one of these areas.

501. Human Biology and Behavior
(MED 501.) Fall. Variable credit. May re-enroll for a maximum of 12 credits. Year V Human Medicine students.
An integrative approach to the human organism, utilizing development as a central theme, and focusing upon the prenatal period.

502. Human Biology and Behavior
(MED 502.) Winter. 12(9-11) 501. Variable credit. May enroll for a maximum of 12 credits.
Continuation of 501 focusing upon birth and the perinatal period.

503. Human Biology and Behavior
(MED 503.) Spring. 9(7-7) 502. Variable credit. May enroll for a maximum of 9 credits.
Continuation of 502 focusing upon the period of childhood.

590. Special Problems in Human Medicine
Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 12 credits. Human Medicine students.
Each student will work under direction of a faculty member of the college on an experimental, theoretical or applied problem. A student should employ this college level course, as distinguished from the departmental level special problems course, when his topic of interest seems to require a broad multidisciplinary approach.

601. Human Biology and Behavior
Fall. Variable credit. May re-enroll for a maximum of 15 credits. Year V - College of Human Medicine Curriculum.
A multidisciplinary study of the human organism unified by the theme of growth and development. Covers the basic scientific and clinical aspects of human growth and development from adolescence to death.

602. Human Biology and Behavior
Winter. 15(8-16) 601. Variable credit. May enroll for a maximum of 15 credits.
Continuation of 601.

603. Human Biology and Behavior
Spring. 15(2-11) 602. Variable credit. May enroll for a maximum of 15 credits.
Continuation of 602.

HUMAN DEVELOPMENT*  H D

College of Human Medicine

590. Special Problems in Human Development
Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 12 credits. Human medicine students.
Each student will work under direction of a staff member on an experimental, theoretical or applied problem.

*Effective January 1, 1968.

HUMANITIES  HUM

University College

Alternative approaches or tracks are offered on an optional basis all of which meet the course objectives of 241, 242, 243. These are described briefly on the following page and are designated by letters which are used as part of the course number for registration. A student will normally proceed through the three courses in the same track. No student may receive credit for more than one track within a course (241, 242, 243).