490. Operational Analysis in the Housing and Feeding Industry
Spring. 4(4-0) 305. seniors.
Advanced management concepts, leading to an understanding of decision theory as applied to directed investigation into specific hospitality operations.

499. Independent Study
Fall, Winter, Spring, Summer. 1(1-0) to 15(1-0). May re-enroll for a maximum of 15 credits.
Approval of school. Research in any phase of food, lodging, hospitality, tourism or health facilities operations.

811. Policy Formulation and Organization
Spring. 4(4-0). 875, 888; MGT 806.
Development of goals, objectives and consistent business policies for the creation of dynamic and effective organizations for all phases of service industries.

861. Economic Implications of Tourism
Fall. 4(4-0). EC 860 or concurrently.
Economic, historical, philosophical, psychological, governmental and ethical aspects and satisfactions of travel. The promotion of tourism, the business of travel and its relationships to the hospitality industry.

875. Innovation in Hospitality Marketing
Spring. 4(4-0). MTA 805 or concurrently.
Changing environment of the hospitality industry is examined and new developments in marketing are analyzed for potential innovative application in the hospitality sector.

888. Financial Management for Service Industries
Winter. 4(4-0). AFA 840.
Covers leasing, franchising, tax considerations, planning to meet financial needs from internal sources or from capital markets, management of current and capital assets, including inventories and operational equipment.

890. Special Problems
Fall, Winter, Spring, Summer. 1 to 3 credits. Approval of school.
Opportunity for the outstanding student to engage in depth analysis of a service industry area of his choice that will result in a positive contribution to the field.

896. Problems of the Service Industries
Winter. 4(4-0) 888 or concurrently.
Formulation of plans based on analysis of situations and trends applying general business principles. Discussion of actual cases with leaders in service industries.

898. Facilities Programming
Fall. 4(4-0).
Application of principles and concepts drawn from many related disciplines to planning and operation of housing and food production systems utilizing optimum physical and human resources.

HUMAN ENVIRONMENT AND DESIGN

HED

College of Human Ecology

143. Design for Living I
Fall. Winter. Spring. 3(3-0).
Perceptual development including analytical judgment through the study of design, a vital part of the matrix of living. Design components and principles as they relate to the function and use of living environments.

144. Design for Living II
Fall. Winter. Spring. 3(2-0).
Use of design elements and application of principles in creative problems and media.

152. Principles of Clothing Construction
Fall. Winter. Spring. 3(2-0).
Principles of clothing construction related to fit, fabric and garment assembling.

171. Textiles for Consumers
Fall. Winter. Spring. 3(3-0).
A programmed sequence develops decision-making abilities in the selection of textile alternatives for various uses. Consumer-oriented concepts of durability, comfort and aesthetic appearance are used to evaluate products.

201. Contemporary Retail Community
Fall. Winter. Spring. 3(3-0).
The retail community as it responds with a supply of goods and services to the needs of the consumer.

203. Selected Non-Textile and Apparel Merchandising
Winter. Spring. 3(2-0).
Selected non-textile and apparel merchandise as it fulfills consumer needs and expectations.

210. Environmental Design: Space, Color and Texture
Fall. Winter. Spring. 3(3-0).
Space, color and texture as components of human environment, their effect upon and use by man.


HUMAN DEVELOPMENT

College of Human Medicine

140. Environmental Design: Space, Color and Texture - Laboratory
Fall, Winter. 3(3-0) 210 concurrently.
Discussion and demonstration of space, color and texture as components of human environment, their effect upon and use by man.

141. Synthesis of Environmental Design Elements
Fall, Winter. 3(2-0) 143 or approval of department.
The synthesis of design elements, space, shape, color and texture, and their organization as they are related to man's near-environment.

142. Synthesis of Environmental Design Elements - Laboratory
Winter, Spring. 3(2-0) 215 concurrently.
Discussion and demonstration of design elements, space, shape, color and texture, and their organization as they are related to man's near environment.

143. Design for Living I
Fall. Winter. Spring. 3(3-0).
Basic designing and drawing of interior space in relationship to human needs.

144. Design for Living II
Fall. Winter. Spring. 3(0-6) 222.
Experiential design and representation of space, color and texture as they relate to environmental interior design.

145. History of Interior Design: Ancient to Medieval
Fall. 3(3-0).
Historical development of furniture, textiles, and the other decorative arts in relation to interior design and architecture from ancient times to Medieval.

201. Contemporary Clothing Construction
TRA 201.
Fall, Winter. Spring. 3(2-0).
Selection, evaluation and fabrication of textiles, clothing and garments for the millinery trade.

202. Contemporary Fashion Analysis
Fall. Winter. Spring. 3(2-0) 143 or approval of department.
Analysis of fashion as evidence of a dynamic relationship between man and his environment; costume as an aesthetic expression, a sociological phenomenon, and a coordinating factor for the consumer market.

253. Survey of World Dress
Fall. 3(3-0).
Secular and ceremonial dress of ethnic, peasant, and folk societies. Emphasis on costume considering its contextual meaning and influence on surrounding cultures.

301. Merchandising: Apparel and Home Furnishing Accessories I
TRA 301.
Fall, Winter, Spring. 4(4-0) 201, Mkt 551.
Emphasis on fashion-related consumer income as it influences the channel of distribution through merchandising of apparel and home furnishing accessories.
320. Interior Design Material and Workroom Practices
Fall, Winter. 3(2-2) 222.
The material used to create design in near-environment space and the workroom practices used to accomplish an installation after it has been designed.

322. Interior Lighting Design
Winter, Spring. 3(2-2) 213, approval of department.
The basic principles and practices of interior design lighting. Light control, distribution, quality and quantity of light as it affects man's near environment.

324. Interior Perspective and Media
Fall, Winter. 5(6-10) 222 or approval of department.
The development of methods for design communication through manipulation of three dimensional drawings in many media.

326. Interior Design Problems
Fall, Spring. 3(0-6). May re-enroll for a maximum of 9 credits. 324 or approval of department.
Research and analysis of design systems through a broad choice of projects with a strong emphasis on independent development.

330. History of Interior Design: Medieval to Rococo
Winter. 3(3-0) 230, approval of department.
The historical development of furniture, textiles, and the other decorative arts in relation to interior architecture from the Medieval to Rococo.

332. Human Needs in Housing
Fall, Winter, Spring. 3(2-2). Near environment studied as a determinant of individual and family development. Content and format focus on interpreting human-environmental relations for the plan and design of housing.

353. Design Illustration
Fall, Spring. 3(0-6) 143; 222 or 254; or approval of department.
Development and display of design ideas through visual means. Exercises intended to stimulate design perception and creativity in design illustration. Survey of philosophies as related to design innovation.

355. Design Analysis: Flat Pattern
(TRA 355.) Spring. 3(2-2) 252 or approval of department.
Garment design achieved by flat pattern methods. Problems include fitting a master pattern, designing from a block, pattern cutting and garment construction.

365. Textiles Design
(TRA 365.) Fall, Winter, Spring. 3(0-6) 143.
Two and three dimensional design as applied specifically to textiles already existing.

367. Crafts: Design with Materials
(TRA 367A) Fall, Winter, Spring. 3(0-6) 143.
Development of creative design and craft techniques for vocational teaching in home economics.

371. Advanced Textiles
(TRA 372A, 372B) Fall, Winter, Spring. 3(3-0) 171; Juniors.

372. Textiles Laboratory
(TRA 372A, 372B) Fall, Winter, Spring. 1-0-2; 171; 371 or concurrently; Juniors.
Laboratory experience in textile analysis and evaluation.

373. Weaving
(TRA 373.) Fall, Winter, Spring. 3(0-6).
Approval of department.
Execution of original designs in the different weaving techniques. Warping of looms and the interpretation and use of drafts for pattern weaving are included.

400H. Honors Work
(TRA 400H.) Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 16 credits. Seniors; approval of department.

404. Merchandising: Apparel and Home Furnishing Accessories II
(TRA 404.) Fall, Spring. 4(4-0) 301.
Decision making application to the merchandising function. Merchandising mathematics: methods, procedures, and planning of merchandising budget. Analysis of management information as provided by electronic data processing and other sources.

405A. Field Study — Retail Operations
(TRA 405A.) Fall, Spring. 4(1-0) 301.
Field study: Supervised in the various retail selling functions and services. Experience in their relationship to other phases of retailing.

405B. Special Problems in Retailing Fieldwork
(TRA 405B.) Fall, Summer. Variable credit. May re-enroll for a maximum of 4 credits. Approval of department.
A special problem investigation designed to supplement classroom and field-study experience.

405C. Exploration of the Textile and Apparel Industries
Summer. 4 credits.
An aggregate analysis through field-travel of the distribution channel (identifying functions and service areas as they coordinate merchandise flow, from production to consumption.

420. Professional Practices — Interior Design
Fall, Winter. 3(3-0) 320.
The professional practices, standards, and ethics involved in the practice of interior design.

421. Interior Design — Residential
Winter, Spring. 4(1-0) 420 or concurrently.
Advanced interior design and planning with emphasis on communication with the residential client. Oral and graphic presentations of problem solving for environmental control.

423. Interior Design — Contract
Fall, Spring. 4(1-0) 420 or concurrently.
Advanced interior design and planning in contract types of design (commercial and institutional). Emphasis on methods of researching a design problem by the group or team method.

425. Three Dimensional Structure and Construction
Fall, Winter. 3(0-6) 353.
Various types of building structures and their method of construction as they are related to interior design. Presentation of methods of three dimensional space relationships by designing and building scale models.

427. Advanced Design Problems
Winter, Spring. 3(0-6) 425 or concurrently.
Advanced structural, investigation, analysis, solution, and presentation relative to physical aspects of interior design.

430. History of Interior Design — Rococo through Victorian
Spring. 3(3-0) 330 or approval of department.
The historical development of furniture, textiles, and the other decorative arts in relation to interior architecture from the Rococo era through the Victorian era.

431. History of Interior Design — Modern
Spring. 3(0-6)
The historical development of furniture, textiles, and accessories and their relationship to interiors from the Victorian era to the present.

433. Man and His Shelter
(TRA 433.) Fall, Winter, Spring. 3(3-0) 222.
Interdepartmental study and administered by Urban Planning.
Interdisciplinary approach to man and his shelter; role of shelter in the community, housing as a cultural, economic, and institutional force; future developments and needs.

434. Clothing for Man
(TRA 434.) Fall, Winter. Summer of even-numbered years. 3(3-0) Juniors.
Sociocultural study of clothing as an artifact and symbol in Western and non-Western societies. Analysis of functions, cultural patterns, social organization, and sociocultural change.

435. Psychology of Clothing
Spring. 3(3-0) Juniors; S S 233.
Clothing as it relates to self expression and the individual's adjustment to the physical and social environment.

438. Field Study in Family Housing
Fall, Winter, Spring. 4(2-4) 332.
The relationship of interior environment to the realization of family goals and values. Students help the family understand the dynamics of this relationship.

455. Design by Draping
(TRA 455.) Winter of even-numbered years. 3(4-1) 332, 354, 355.

459. Special Problems in Clothing
(TRA 459.) Fall, Winter, Spring. Summer. 2 to 4 credits. Two courses in clothing construction; approval of department.

472. Textiles within an Ecological Framework
Fall, Winter, Summer. 2 to 3 credits. May re-enroll for a maximum of 6 credits. 171 and approval of department.
Contemporary textile advancements which influence the ecosystems of man.
476. Clothing and Textiles in World Trade

Winter. 3(1-0) EC 291.

Textile and apparel world trade as a response to patterns of production, political decisions and geographic distribution of resources.

483. History of Costume: Western Dress

(TRA 483.) Winter. 3(2-0) Junior.

Important periods of costume; their relationship to life of the times and their importance in evolution and inspiration of modern dress.

480C. Seminar in Human Environment and Design

(TRA 800C.) Fall, Winter, Spring. Summer. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

Special problems and independent study in environmental concerns.

583. Special Problems in Textiles

(TRA 813A.) Fall, Winter, Spring. Summer. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

583B. Special Problems in Clothing Construction or Design

(TRA 813B.) Fall, Winter, Spring. Summer. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

583C. Special Problems in Related Arts

(TRA 813C.) Fall, Winter, Spring. Summer. Variable credit. May re-enroll for a maximum of 9 credits. Approval of department.

813D. Special Problems in Sociological, Psychological or Economic Aspects of Clothing

(TRA 813D.) Fall, Winter, Spring, Summer. Variable credit. May re-enroll for a maximum of 8 credits. Approval of department.

Problems for special study for the general home economics major or students taking a major or minor in clothing.

815. Literature in Clothing and Textiles

(TRA 815.) Fall. Summer of even-numbered years. 3(3-0) Approval of department.

Organized investigation into the recent literature in the several areas of clothing and textiles.

819. Research Methods

(TRA 819.) Winter. 3(3-0) Approval of department.

Consideration of present research and developments suggesting researchable areas.

836. Research and Developments in Family Housing

(TRA 836.) Winter. 3 to 5 credits. 619 or concurrently, approval of department.

Historical perspective of research accomplishments in housing, major shifting forces, financial support, landmark studies and major contributors. Consideration of present research and developments suggesting researchable areas.

837. Generalization and Concepts for Teaching Family Housing

(TRA 837.) Fall. Sumner of odd-numbered years. 3(4-0) FE 823, approval of department.

Major concepts dealing with producing, securing, maintaining and evaluating housing. Focus placed on content for teaching programs in secondary schools and other educational organizations.

838. Housing for People with Special Needs

(TRA 838.) Spring. 3(3-0) Approval of department.

Major needs in housing of the poor, elderly, handicapped, migrant and other groups with special requirements.

840. Clothing and Human Behavior

(TRA 840.) Spring, Summer. Variable credit. Approval of department.

Theories of human behavior which relate to clothing and design.

856. Dress Design: Advanced Pattern Making

(TRA 856.) Spring, 3(3-4) Six credits in clothing-construction. Garment design analysis and application of flat pattern principles to advanced designs. Includes fitting and garment construction. Basic to further study in clothing design at graduate level.

599. Research

(TRA 899.) Fall, Winter, Spring. Summer. Variable credit. Approval of department.

HUMANITIES

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).

152. Introduction to Humanities: The Performing Arts

Fall. 4(3-2) Primarily for freshmen. Purchase of a limited number of tickets is required.

Preparation for attendance at and evaluation of events in the performing arts on the University campus. Curricula will be based on campus events scheduled for the term.

241. Humanities

Fall, Winter, Spring, Summer. 4(4-0) Sophomores.

A. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses an anthology of source readings, selected paperbacks, and other examples from the fields of history, literature, philosophy, religion and art. Emphasis is on the life and works of a few great artists in each of the arts.

B. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses whole works in source readings from the fields of history, literature, philosophy, religion and art. Emphasis is on the life and works of a few great artists in each of the arts.

C. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses an anthology of source readings, selected paperbacks, and other examples from the fields of history, literature, philosophy, religion and art. Emphasis is on the life and works of a few great artists in each of the arts.

D. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Emphasizes the history of the ancient world, and the institutions which developed in the ancient world. Illustrative documents are selected from the fields of history, literature, philosophy, religion and art. Emphasis is on the life and works of a few great artists in each of the arts.

E. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses an anthology of source readings, selected paperbacks, and other examples from the fields of history, literature, philosophy, religion and art. Emphasis is on the life and works of a few great artists in each of the arts.

F. Western culture through a study of its origins in the civilizations of Greece and Rome and in the Judeo-Christian tradition. Uses an anthology of source readings, selected paperbacks, and other examples from the fields of history, literature, philosophy, religion and art. Emphasis is on the life and works of a few great artists in each of the arts.