#### Courses

#### 473. Operations Research in the Service Industries

Fall, Spring. Summer of odd-numbered years. 4(4-0) HRI 337, MTA 317.

Application of marketing and operational research techniques to service industry management problems, emphasizing quantitative and analytical decision models designed for specific operations in this field.

#### 475. Promotion of Hospitality Services

Fall, Winter, Spring. Summer of oddnumbered years. 4(4-0) HRI 375.

Advertising, personal selling, sales promotion, merchandising, public relations, and publicity to compete effectively for individual and group sales in the hospitality industry.

## 490. Operational Analysis in the Hospitality Industry

Fall, Spring. 4(4-0) HRI 405, 800 hours work experience requirement. HRI majors only. 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 to 4 credits. May reenroll for a maximum of 8 credits. Majors and 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) HRI 875, HRI 888; MGT

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, philsophical, psychological, governmental and educational 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 concur-

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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 the 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 15 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) HRI 888 or concurrently.

Formulation of plans based on analysis of situations and trends applying gereral 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 ECOLOGY HEC (COLLEGE OF)

#### 201. Family in Its Near Environment

(F E 110) Fall, Winter, Spring. Summer of odd-numbered years. 3(3-0) Sophomores. Foundations of human ecology are explored using conceptual frameworks of family as ecosystem and human development. Interrelationships of ecosystems which focus on families are examined.

## 301. Management and Decision Making in the Family

(F E 331.) Fall, Winter, Spring. Summer of even-numbered years. 3(3-0) HEC 201, Juniors.

Presentation of the integrated nature of home management; concerns, values, and goals as reflected in decision making about family resources.

## 401. Human Ecological Approach to Contemporary Issues

(F E 401.) Fall, Winter, Spring, Summer. 3(3-0) HEC 301, Seniors.

Establishment of interrelationships among the human ecological professions as each profession identifies meaningful but different approaches to issues.

# HUMAN ENVIRONMENT AND DESIGN HED

### College of Human Ecology

### 143. Design for Living I Fall, Winter, Spring. 3(3-0)

Perceptual development including analytical judgement through the study of design, a vital part of the matrix of living. Design components and principles as they relate to the function and ideas in the various phases of man's environment and daily life.

#### 144. Design for Living II

Fall, Winter, Spring. 3(1-4) HED 143.

Use of design elements and application of principles in creative problems and media.

## 152. Principles of Clothing Construction

Fall, Winter, Spring. 3(2-2)

Principles of clothing construction related to fit, fabric and garment assembling.

## 171. Textiles for Consumers

Fall, Winter, Spring. 4(3-0)

A programmed sequence develops decisionmaking abilities in the selection of textile alternatives for various uses. Consumer-oriented concepts of durability, comfort, care and aesthetic appearance are used to evaluate products.

#### 201. Contemporary Retail Community

Fall, Winter, Spring. 3(3-0) Sophomores.

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 Merchandise

Winter, Spring. 3(3-0) HED 143.

Selected non-textile and apparel merchandise as it fulfills consumer needs and expectations.

### 210. Environmental Design: Space, Color and Texture

Fall, Winter. 3(3-0) HED 144 or approval of department.

Space, color and texture as components of human environment, their effect upon and use by man.

#### 211. Environmental Design: Space, Color and Texture--Laboratory Fall, Winter, 2(2-0) HED 210 concur-

rently.

Discussion and demonstration of space, color and texture as components of human environment, their effect upon and use by man.

## 213. Synthesis of Environmental Design Elements

Winter, Spring. 2(2-0) HED 210.

The synthesis of design elements, space, shape, color and texture, and their organization as they are related to man's near environment.

## 214. Synthesis of Environmental Design Elements--Laboratory

Winter, Spring. 2(2-0) HED 213 concurrently.

Discussion and demonstration of design elements, space, shape, color and texture, and their organization as they are related to man's near environment.

#### 220. Interior Space Design

Fall, Winter. 3(0-6) HED 210 or concurrently.

Basic designing and drawing of interior space in relationship to human needs.

## 221. Interior Color and Texture Design

Winter, Spring. 3(0-6) HED 220 or concurrently.

The manipulation and development of color and texture as components of environmental space design.

#### 222. Basic Interior Design Synthesis Spring. 3(0-6) HED 221.

Experimentation and representation of space, color and texture as they relate to environmental interior design.

## 230. 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.

### 239. Housing Conservation

Spring. 3(3-0) Interdepartmental with and administered by Agricultural Engineering Technology.

Skills and techniques in conserving, repairing and remodeling existing housing. Structural components of housing and evaluation of housing structure.

## 252. Experimental Clothing Construction

Winter, Spring. 3(2-2) HED 152 or pass departmental placement examination.

Application of principles of clothing construction with emphasis on fitting, alteration and conturier construction techniques. Experimental execution and evaluation of techniques.

### 254. Contemporary Fashion Analysis

Fall, Winter, Spring. 3(2-2) HED 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.

## 256. Survey of World Dress

Fall, Winter, Spring. 3(3-0)

Clothing and its relationship to the physical body, to aesthetic interests of humans, and to societal type. Concepts amplified through cross-cultural case studies.

### 302. Clothing and Textiles Production and Distribution

(402.) Fall, Winter. 3(3-0) Juniors.

Historical development of the foreign and domestic apparel industries. Present organization of the apparel industry in major foreign markets and primary and regional markets in the United States.

## 320. Interior Design Material and Workroom Practices

Fall, Spring. 4(3-2) HED 222 or approval of department. Junior Interior Design majors.

The material used to create design in nearenvironment space and the workroom practices used to accomplish an installation after it has been designed.

### 322. Interior Lighting Design

Fall, Spring. 3(2-2) HED 213, approval of department. Interdepartmental with the Department of Engineering.

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(0-10) HED 222 or approval of department. Junior Interior Design majors.

The development of methods for design communication through manipulation of three-dimensional drawings in many media.

### 326. Interior Design Problems

Winter, Spring. 3(0-6) May reenroll for a maximum of 9 credits. HED 324 or approval of department. Junior Interior Design majors. 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) HED 230, approval of department.

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(3-0)

Near environment studied as a determinant of individual and family development. Content and discussions focus on interpreting human-environmental relations for the plan and design of housing.

#### 353. Design Illustration

Fall, Spring. 3(0-6) HED 143; HED 222 or HED 254; or approval of department.

Development and display of design ideas though 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

Fall. 3(2-2) HED 252 or approval of department.

Garment design achieved by flat pattern methods. Problems include fitting a masterpattern, designing from a block, pattern cutting and garment construction.

## 360. Merchandising I: Apparel and Home Furnishing Accessories

Winter, Spring. 4(3-1) HED 201, MTA 351, AFA 201.

Decision-making application to the merchandising function. Merchandising mathematics: methods, procedures, and planning of merchandising budgets. Analysis of management information as provided by electronic data processing and other sources.

### 365. Textiles Design

Fall, Winter, Spring. 3(0-6) HED 143. Two and three dimensional design as applied specifically to textiles already existent.

### 367. Crafts: Design with Materials

Fall, Winter, Spring. 3(0-6) HED 143.
Development of creative design and craft tech-

Development of creative design and craft techniques for vocational teaching in home economics.

### 371. Advanced Textiles

Fall, Winter, Spring. 3(3-0) HED 171;

Juniors.

Recent developments in fibers and textile products. Chemical and physical properties of fibers, yarns, fabric structures and finishes related to fabric performance.

#### 372. Textiles Laboratory

Fall, Winter, Spring. 1(0-2) HED 171; HED 371 or concurrently; Juniors.

Laboratory experience in textile analysis and evaluation.

#### 373. Weaving

Fall, Winter, Spring. 3(0-6)

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

Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 16 credits. Seniors; approval of department.

### 405A. Field Study-Retail Operations

Fall. 6 credits. Senior majors; HED 360; additional selling experience and approval of department.

An off-campus supervised and coordinated field study program in selected retail operations.

## 405B. Special Problems in Retailing Fieldwork

Fall, Summer. Variable credit. May reenroll 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 aggragate analysis through field-travel of the distribution channel identifying function and service areas as they coordinate merchandise flow, from production to consumption.

## 406. Merchandising II: Apparel and Home Furnishing Accessories

 $Fall, Spring.\ 4(4\text{-}0)\ HED\ 360, MGT\ 302$  or MGT\ 310.

Retail managements' responsibilities in supervising personnel to effectively communicate with the consumer through sales promotion and personal selling.

#### 420. Professional Practices--Interior Design

Fall. 3(3-0) HED 320. Senior Interior Design majors.

The professional practices, standards, and ethics involved in the practice of interior design.

#### 421. Interior Design--Residential

Winter, Spring. 4(1-6) HED 420 or concurrently. Senior Interior Design majors. 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, Winter. 4(1-6) HED 420 or concurrently. Senior Interior Design majors.

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) HED 353.

Various types of building structures and their method of construction as they are related to interior design. Presentation methods of three dimensional space relationships by designing and building scale models.

## 427. Advanced Design Problems

Winter, Spring. 3(0-6) HED 425 or concurrently. Senior Interior Design majors. 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) HED 330 or approval of department.

Historical development of furniture, textiles, and the other decorative arts in relation to interior architecture from the Rococo era through the Victorian era.

#### Courses

#### 431. History of Interior Design--Modern

Spring. 3(3-0)

Historical development of furniture, textiles, and accessories and their relationship to interiors; from the Victorian era to the present.

#### 434. Culture, Society and Dress Fall, Spring. 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 Winter, 3(3-0) Juniors, PSY 170,

Clothing as it relates to self-expression and the individual's adjustment to the physical and social environment.

### Field Study in Family Housing Fall, Winter, Spring. 4(2-4) HED 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

Spring. 3(1-4) HED 252, HED 254, HED 355.

Dress design based on the manipulation of fabrie on a form. Emphasis on relation of fabric and construction techniques.

#### 459. Special Problems in Clothing

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. 3(3-0) HED 171 or approval of department.

Contemporary textile advancements which influence the ecosystems of man.

#### 473. Textile Economics

Spring. 3(3-0) HED 171; EC 201.

Economic theory related to textile fiber production and distribution, fabric manufacture; price determination; recycling of resources; current economic concerns within textile industry.

#### 475. History of Apparel Textiles

Winter. 3(3-0) HED 171 and Juniors.

Textiles used for apparel from prehistory to contemporary times. Analysis of the influence of cultural factors on the evolution of design and resources used.

#### 476. Clothing and Textiles in World Trade

Spring. 3(3-0) EC 201.

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

#### History of Costume: Western 483. Dress

Spring. 3(3-0) Juniors.

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

#### 490. Problems in Human Environment and Design

Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 6 credits. Approval of department.

Special problems and independent study in environmental concerns.

#### *4*98. Field Study

Fall, Winter, Spring, Summer. 4 to 8 credits. May reenroll for a maximum of 8 credits. Approval of department.

Study of environmental concerns in depth through direct contact in field settings and/or

#### 800C. Seminar in Human Environment and Design

Fall, Winter, Spring. Summer of even-numbered years. 3(3-0) May reenroll for a maximum of 9 credits. Six credits in design or crafts.

#### 800D. Seminar in

Psycho-Social-Cultural Aspects of Clothing

Winter. Summer of even-numbered years. 3(3-0) May reenroll for a maximum of 9 credits. Approval of department.

#### 809C. Research Methods in Human Environment and Design

Fall, Winter, Spring. Variable credit. May reenroll for a maximum of 9 credits. Approval of department.

#### 813A. Special Problems in Textiles

Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 9 credits. Approval of department.

#### 813B. Special Problems in Clothing Construction or Design

Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 9 credits. Approval of department.

### 813C. Special Problems in Related Arts

Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 9 credits. Approval of department.

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

Fall, Winter, Spring, Summer. Variable credit. May reenroll for a maximum of 9 credits. Approval of department.

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

#### 814. Workshops in Human Environment and Design

Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 10 credits. Approval of department.

Provides for a concentration on specific and relevant topics of value to graduate students and practicing professionals in major areas of the department.

#### 815. Literature in Clothing and **Textiles**

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

Fall, Spring. 3(3-0) Approval of department. Interdepartmental and administered jointly with the Department of Family Ecology.

#### 836. Research and Developments in Family Housing

Winter. 3 to 5 credits. HED 819 or concurrently; approval of department.

Historical perspective of research accomplishments in housing, major shaping forces, finan-cial support, landmark studies and major contributors. Consideration of present research and developments suggesting researchable areas.

#### 837. Generalization and Concepts for Teaching Family Housing

Fall. Summer of odd-numbered years. 3(3-0) F E 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

Spring. 3(3-0) Approval of depart-

ment.

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

#### 840. Clothing and Human Behavior

Spring; Summer of odd-numbered years. 3(3-0)

Theories of human behavior which relate to clothing and dress.

#### 899. Master's Thesis Research

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

### **HUMANITIES**

HUM

### College of Arts and Letters **University College**

Students may earn credits for satisfying the University's general education graduation requirement in the area of the humanities by selecting one of the following options:

Option a, one course 'only' from each of the following groups (either for general education or elective credits.)

1. 199-260, 201, 211, 221, 261, 281H 2. 202, 212, 222, 262, 282H 3. 203, 213, 223, 263, 283H

Option b. any three of the following courses: 291, 292, 293, 294, 295

Option c. a combination of 12 credits from the two preceding options.

Additional courses may be taken for elective credit, subject to the provisions in Option a. above.

#### 152. Introduction to Humanities: The Performing Arts

Fall, Winter. 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. Curriculum will be based on campus events scheduled for the term.