HUMAN ENVIRONMENT AND DESIGN

898*. Master's Project

Fall, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 8 credits.

R: Open only to graduate students in the Department of Human Environment and Design. Master's degree Plan B project. Participation in a project in apparel and textiles, interior design and human environment, or merchandising management. QA: HED 890

899*. Master's Thesis Research

Fall, Spring, Summer. 1 to 7 credits. May reenroll for a maximum of 20 credits.

R: Open only to graduate students in the Department of Human Environment and Design.

QA: HED 899

900*. Decision Processes in Design and Management Spring. 3(3-0)

R: Human Environment: Design & Man-

agement

Theoretical analysis and application of decision processes appropriate to the design and management of human environments Philosophy and methods of productive user participation in environmental change.

901*. Professional Issues, Grants & Publications

Fall. 3(3-0) R: 6 and above

Development of critique and comment related to professional issues. Strategies and techniques related to successful grantsmanship and the design and dissemination of academic communication.

902*. Research Seminar Development Spring. 1(1-0)
R: 6 and above Human Environment:

Design and Management Student, faculty, and guest presentations of selected topics related to advanced study in human environ-ment and design. Critical analysis of presented re-search methodology, statistical procedures, and inter-

pretation of results.

903*. Doctoral Research Presentation

Spring. 2(2-0)
P: HED 902 or concurrently; approval of department. R: 6 and above Human Environment: Design and Management
Synthesis and application of research findings through

delivery of a research presentation.

HUMAN MEDICINE HM

501.

Preceptorship Training
Fall, Spring, Summer. 1 to 8 credits.
May reenroll for a maximum of 24 credits. Interdepartmental with the

Department(s) of Family Practice,.
R: One year of graduate-professional program in College of Human Medicine.
Field experience in primary care.
OA: HM 500

QA: HM 500

511*. Infectious Disease and Immunology

Fall. 3(-)

R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

*512**. Development and Behavior

Fall. 2(-)

R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

Neurological and Musculoskeletal

Fall. 5(·)

R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students.

Bsic sciences applied to clinically relevant situations. Problem-based small group experiences.

514*. Major Mental Disorders
Fall. 2(-)
R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

515*. Cardiovascular Domain

Fall. 4(-)
R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

525* Pulmonary Domain

Spring. 2(-)
R: Open only to graduate-professional
students in College of Human Medicine. Not open to first year students.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

526*. Renal and Urinary Domain

Spring. 2(-) R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

527*. Digestive Domain
Spring. 3(-)
P: Block I. R: Open only to graduate-professional students in College of Human Medicine. Not open to first year students.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

528* Metabolic and Endocrine and Reproductive Domain

Spring. 3(·) P: Block I. R: Open only to graduate-professional students in College of Human medicine. Not open to first year students.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

529* Dermatologic and Allergy Domain

Spring. 1(-) P: Block I. R: Not open to first year students. Open only to graduate professional students in College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

Clinical Skills I 531.

Fall. 2(1-2) R: Graduate Professional students in

College of Human Medicine. Basic principles of doctor-patient relationship, core interviewing techniques. Exposure to clinical arena.

532.Clinical Skills II

Spring. 2(1-2) P: HM 531 R: Graduate-professional students in College of Human Medicine.
Adult screening physical examination and its integra-

tion with data-gathering skills.

533. Clinical Skills III

Summer. 1(1-2)
P: HM 532 R: Graduate-professional students in College of Human Medicine.

Age specific screening examinations and integration with data-gathering skills.

535*. Hematopoietic and Neoplasia Domain

Spring. 2(-)
P: Block I. R: Not open to first year students. Open only to graduate-professional students in College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

Comprehensive Domain

Spring. 3(-)

R: Not open to first year students. Open only to graduate-professional students in College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

Human Development and Behavior 543. in Society
Summer. 5(4-2)
R: Graduate-professional students in
College of Human Medicine.

Social science basis of medicine including social and cultural influences on health and behavior. Overview of normal growth and development throughout the life span.

Integrative Clinical Correlations I 571.

Fall. 2(2-0) P: ANT 551, BCH 521, PSL 501 or all concurrently. R: Graduate-professional students in College of Human Medicine. Correlation of the principles of the basic biological and

behavioral sciences withe disciplines of clinical medicine using case presentations.

Integrative Clinical Correlations II

Spring. 2(2-0) P: HM 571, ANT 552, ANT 562, MPH 552, PTH 542 or all concurrently. R: Graduate-professional students in College of Human Medicine.

Correlation of the principles of the basic biological and behavioral sciences with the disciplines of clinical medicine using case presentations.

Integrative Clinical Correlations

Summer. 1(2-0) P: HM 543, HM 572, PHD 523, PHM 563, RAD 553 or all concurrently. R: Graduate-professional students in College of Human Medicine. Correlation of the principles of the basic biological and

behavioral sciences with the disciplines of clinical medicine using case presentations.

581 Mentor Program

Fall, Spring, Summer. 1(0-2) May reenroll for a maximum of 3 credits. R: Graduate-professional students in

College of Human Medicine. Dimensions of being a physician: skills needed to perform the job with patients and other medical workers. Current trends in the fields.

Special Problems in Human 591. Medicine

Fall, Spring, Summer. 1 to 34 credits. May reenroll for a maximum of 36 credits.

R: Graduate-professional students in College of Human Medicine.

Work under the direction of a faculty member on an experimental, theoretical, or applied proglem that requires a broad, interdisciplinary approach.

HUMAN MEDICINE

691*. Research Clerkship

Fall, Spring, Summer. 2 to 6 credits in increments of 2 credits. May reenroll for a maximum of 6 credits.

P: HM 690 or approval of community research director R: Grad Prof Students in College of

Human Medicine

Students will be engaged in basic, behavioral or clinical research projects with a written outcome QP: HM 690 QA: HM 690

HUMAN NUTRITION AND FOODS

HNF

Introduction to Nurtition and Food 150. Science

Fall, , Summer. 3(3-0) Interdepartmental with the Department(s) of Food Science,.

Nutrition needs in life stages from a human ecological perspective. Domestic and international factors affecting the availability of a safe, nutritious food supply. Relationships of food choices to health and disease. QA: HNF 102 FSC 101

200.

Physical and Chemical Properties of Foods

Fall. 3(2-2) P: CEM 141 or concurrently. R: NONE

NONE NONE NONE

Interrelationships between basic physical and chemical principles and food preparation: composition, methods of preparation, meal planning, evaluation, quality standards and comparative analysis.

QP: CEM 141 QA: HNF 200

220*. Basic Skills in Dietetic Practice

Spring. 2(1-2)
P: CPS 100 or CPS 130 or CPS 131; HNF
150 or HNF 311; STT 200 or C: STT 201 or R: Not open to freshmen. Open only to students in the Department of Food Science and Human Nutrition. Evaluation and communication of scientific and consumer information. Sources of reliable food and nutrition information. Statistics. Nutritional epidemiology, nutrient composition, and computer diet analysis.

QP: HNF 102 ORHNF 200ORFSC 101 QA: HNF 290

300*. Experimental Approaches to Foods

Spring. 3(2-3)
P: HNF 200, CEM 143. R: Open only to
Dietetics and Human Nutrition majors. Not open to students with credit in FSC 401.

Effects of various treatments on chemical and physical properties of carbohydrates, proteins, lipids and other constituents of foods. Effects of changes in chemical and physical properties on functional and sensory attributes of foods. QP: HNF 200 CEM 143

QA: HNF 300

311*. Principles of Human Nutrition

Spring. 3(3-0) P: BCH 200. R: None None None None A human ecological approach to identification, func-tion and food sources of nutrients required by humans. Normal metabolism. Effects of deficiencies or excesses of specific nutrients on metabolism. QP: BCH 200 QA: HNF 411

350*. Food and the Consumer

Fall. 3(3-0) P: HNF 200; EC 200 or EC 201; MTA 302

or concurrently.

Introduction to consumer behavior relative to food and food services. Food consumption and expenditure trends. Factors influencing food consumption and expenditures. Consumer advocacy and consumerism. QP: HNF 200 EC 201MTA 302ORCONCURRE

375*. Community Nutrition

Spring. 3(3-0) P: HNF 150 or HNF 311.

Dietary and anthropometric assessment of population groups. Policies, programs and resources available to address community nutritional needs. QP: HNF 102 QA: HNF 375

Basic Nutritional Counseling

Spring. 3(2-3)
P: HNF 150 or HNF 311. R: Not open to freshmen. Open only to students in Department of Food Science and Human Nutrition. Interviewing. Medical records and dietary history. Assessment of nutritional status. Planning, imple-

menting, and evaluating nutritional programs. Quality assurance. Professional ethics. QA: HNF 379 QP: HNF 102 ORHNF 411

400*. Art and Science of Food Preparation

Spring. 1(1-3) P: HNF 200.

Art and science of food preparation in relation to cost, health, and historical, regional, ethnic, and religious customs. Product evaluation using sensory techniques. QP: HNF 200 QA: HNF 406L

404*. Food Product Development

Fall. 4(3-3) P: FSC 401 or HNF 300. R: Not open to freshmen and sophomores.

Functions of proteins, carbohydrates, and fats, and their interactions with other food ingredients. Objective and sensory food evaluation techniques.

QP: HNF 300 ORFSC 333 QA: HNF 403 HNF 404

Sociocultural Aspects of Food 406*.

Spring. 3(3-0)

R: Not open to freshmen and sophomores.

One ISS "B" course option or concurrently.

Factors impacting food consumption from a human ecological perspective. International and national food consumption patterns. Geographic, political, and economic aspects of food consumption. Food availability and distribution. Family structure, taboos, r QA: HNF 406

Sensory Assessment of Foods Spring. 2(1-2) P: STT 201 or STT 315 or STT 464; HNF 410%

200 or FSC 401. R: Open only to majors in Department of Food Science and Human Nutrition.

Discriminative, consumer and descriptive methods used to evoke, measure, analyze, and interpret sensory reactions to food characteristics. QP: STT 201 ORSTT 315ORSTT422 HNF 310

440*. Foodservice Operations

Fall. 3(3-0) P: HNF 150 or HNF 311; HNF 200. R:

Not open to freshmen and sophomores. Principles, processes and control strategies in foodservice operations. Menu planning, procurement, and on-premise storage and issue. Production, consumer distribution, safety and sanitation. QP: HNF 200 ORHNF 102ORHNF 411 HNF 440 QA:

441*. Management of Foodservice Operations

Operations
Spring. 2(2-0)
P: HNF 440 R: Juniors and above None None-None

Human-and-material-resources fiscal management using manual and electronic data processing strategies in foodservice operations. QP: HNF 440 QA: HNF 441

444*. Computerized Foodservice Management Laboratory Fall. 1(0-3)

P: CPS 100 or CPS 130; HNF 441. R:

Open only to majors in Dietetics, Foods: Technology and Management, Human Nutrition, and Nutritional Sciences.

Use of prototype foodservice management software for inventory management, recipe adjustment, recipe and menu precosting, nutrient analysis, cost analysis, and other foodservice applications.

QP: HNF 440 QA: HNF 441

445*. Foodservice Management

Experience

Spring. 2(1-4) P: HNF 441, MPH 205. R: Open only to seniors in Dietetics and graduate students in Human Nutrition, approval of department.

Receipt, storage, preparation and service of foods. Safety and sanitation. Design, layout, and care of equipment. Costing. Meal tickets required. QP: HNF 440 MPH 2000RMPH 301 HNF 440P

450*. Contemporary Cases from the Food

Industry Spring. 3(3-0) P: HNF 350, MTA 300, MTA 302. R: Open only to seniors and graduate students in the College of Agriculture and Natural Resources, College of Business, and College of Human Ecology.

Analysis and interpretation of the consumer environment. Development of effective strategies and policies for the food industry. Case study approach. QP: MTA 300 MTA 302 QA: HNF 415

460*. Advanced Human Nutrition

Fall. 5(5-0) P: BCH 200 or BCH 401; HNF 150 or

HNF 311; PSL 250.

Metabolism of carbohydrates, proteins, fats, vitamins, and minerals as related to dietary requirements and disease processes in humans. Recommended dietary allowances of nutrients. Metabolism of nutrients. Food

sources of nutrients. QP: BCH 200 PSL 2410RPSL 432 461 HNF 462 QA: HNF

463*. Nutrition and Human Development Fall. 3(3-0)

P: HNF 460 or concurrently. Role of nutrients in anatomical, physiological, and biochemical processes as related to human growth and development. Nutrition throughout the life cycle. Nutritional assessment and programs.

QP: HNF 462 QA: HNF 463

Clinical Nutrition and Dietetics 470*.

Spring. 4(3-2) P: BCH 200 or BCH 401; HNF 460; PSL 250 or PSL 431. R: Not open to freshmen and sopho-

Anatomical, physiological and biochemical changes associated with diseases. Nutritional assessment. Use of modified diets as adjuncts to other therapies. QP: HNF 462 QA: HNF 470 HNF 470P

Interpretation of Clinical Laboratory Tests in Dietetics Fall. 3(3-0) P: HNF 460 or concurrently.

Principles, procedures and interpretation of clinical laboratory tests. Interrelationships of nutrition and the biological sciences. Relationships of test results to total nutritional care QP. HNF 462 QA: HNF 473

480*. Concepts of Human Nutrition Research Methods

Spring. 2(1.3)
P: HNF 311 or HNF 460; FSC 455. R:
Open only to seniors and graduate students. Approv-

al of department. Issues and techniques involved in nutrition research with humans and animals. Guided laboratory experience plus independent project.