

**Descriptions — Family Practice
of
Courses**

516. Migrant Worker Health Care
Spring. 2 to 3 credits. Admission to a college of medicine or approval of department. Interdepartmental with the Department of Family Medicine.

Health beliefs, patient attitudes, economic situation and medical problems of migrant agricultural workers. Introduction to occupational medicine in the agricultural sector, including parasitology, pesticide hazards, taking an occupational history.

530. Care of the Elderly
Fall, Spring. 3(2-2) Student in H M, OST or other clinical program or approval of instructor. Interdepartmental with the Department of Community Health Science.

Case studies of the care of the elderly based on the physician patient-interaction with elderly persons and their families. Family systems applications to health care. Associated clinical experience.

540. Families in Crisis: A Clinical View
Winter, Spring. 1 to 4 credits. May reenroll for a maximum of 4 credits. Student in medicine, nursing, or graduate student in psychology, counseling, social work or related field.

Dynamics of family crises as might be experienced in health care settings. Videotapes, readings and small group discussions to illustrate family dynamics.

580. Special Topics in Family Practice
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 18 credits. Approval of department.

Explore and study special aspects and modes of family-oriented health care.

602. Fundamentals of Patient Care
(H M 602.) Fall, Winter, Spring, Summer. 9 to 12 credits. Approval of department. Interdepartmental with the Department of Community Health Science.

A full-time introduction to clinical medicine with emphasis on data gathering, and formulation and presentation of plans for patients and families in the hospital and out-patient setting.

607. Ambulatory Care Clerkship
Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 9 credits. H M 602. Interdepartmental with the departments of Community Health Science, Medicine, and Pediatrics and Human Development.

Outpatient experience, lasting an equivalent of 34 half-days and extending over a minimum of 26 weeks. Continuous and comprehensive patient care under supervision of appropriate physicians.

610. Family Practice Clerkship
Fall, Winter, Spring, Summer. 8 to 17 credits. May reenroll for a maximum of 34 credits. H M 602.

A clerkship in a model family practice unit with graded responsibility and supervision in the care of families and their medical problems with emphasis on primary, continuing and comprehensive care.

611. Introduction to Office Practice
Fall, Winter, Spring, Summer. 5 to 6 credits. H M 602.

A one month preceptorial exposure to the office practice of family practice in a variety of settings.

612. Inpatient Clerkship in Family Practice
Fall, Winter, Spring, Summer. 4 to 6 credits. H M 602.

Demonstration of the role of the family physician in the hospital setting, including management of consultations and referrals.

487. Management of Insurance Enterprise
(AF A 487.) Spring. 5(5-0) F I 350 or approval of department.

Organizational requirements and functional operations of insurance enterprise with emphasis on methods of ratemaking, reserves, financial statement and investment requirements, loss adjustment, underwriting, and marketing. Statutory limitations on management freedom.

491. Financial Markets
(AFA 491.) Fall. 4(4-0) F I 391.

Introduction to theories and models concerning financial markets. An analysis of financial instruments and major financial market participants. Governmental and legal influences on financial markets.

492. Management of Financial Institutions
(AFA 492.) Winter. 4(4-0) F I 391.

Emphasis is on the asset and liability management of commercial banks, savings and loan associations, credit unions, private and public pension funds, and trust institutions. Financial strategy is examined in light of legal and managerial constraints as well as fiduciary responsibility. Related issues include regulation and the concept of prudence.

493. Advanced Business Finance
(AFA 493.) Spring. 4(4-0) F I 391, Seniors.

Advanced study of the financial management of business firms. Special emphasis is placed on areas of major interest from both applied and theoretical points of view. Areas covered include capital budgeting, valuation, financial structure, mergers, and working capital management as well as other financial topics. Cases are used.

495. Special Problems
Fall, Winter, Spring, Summer. 1 to 4 credits. Senior F I major, approval of department.

Independent study of special topics in finance or insurance.

817. Quantitative Applications in Accounting and Finance
(AFA 817.) Winter. 4(4-0) MGT 833.

Interdepartmental with the Department of Accounting.

Application of quantitative techniques to accounting, finance, and control activities, especially involving the data requirements of managerial decision models.

818. Research Techniques in Accounting and Finance
(AFA 818.) Spring. 4(4-0) MTH 113, STT 423. Interdepartmental with and administered by the Department of Accounting.

Properties of time series in accounting and finance with emphasis on ARIMA model and transfer-function model development. Applications and potential research areas.

850. Risk Management and Insurance Concepts
(AFA 850.) Winter, Summer. 4(4-0)

Analysis of business exposures and risk management techniques. Risk meeting alternatives and their economic, legal, and social implications. The role of insurance and employee benefits in risk management.

FINANCE AND INSURANCE F I

(Name changed September 1, 1981. Formerly the Department of Accounting and Financial Administration.)

College of Business and Graduate School of Business Administration

350. Principles of Risk and Insurance
(AFA 350.) Fall, Winter, Spring, Summer. 4(4-0) Juniors or approval of department.

Risk and risk meeting methods with emphasis on the insurance mechanism. Fundamental principles, legal relationships, types of carriers and organization; principal types of coverage and industry regulation.

391. Financial Management
(AFA 391.) Fall, Winter, Spring, Summer. 5(5-0) ACC 202, Juniors.

Basic principles and theoretical framework leading to sound financial management decisions. Role of the financial manager in achieving optimal financial position of the firm. Management of a firm's assets and financing needs.

392. Investment Planning
(AFA 392.) Fall, Winter, Summer. 4(4-0) F I 391.

Analysis of the various financial assets from which the individual or institution selects. Emphasis is on the analytical techniques and principles involved in the evaluation of financial instruments such as common stocks, bonds, preferred stock, and warrants. The role of particular types of securities in the portfolio management and investment planning process is examined and related to the current environment.

396. Personal Risks and Insurance
(AFA 396.) Fall, Summer. 5(5-0) F I 350 or Juniors in business administration.

Personal risk analysis and personal insurance. Emphasis on life, health, automobile, fire and liability insurance. Programming personal insurance. Estate analysis and trusts. Social and economic aspects of personal insurance.

397. Social Insurance Topics
(AFA 397.) Fall. 4(4-0) EC 200.

Systematic study of the legal, actuarial, social and political aspects of social insurance. Federal and State programs. Problems, solutions and potential alternatives.

486. Business Risks and Insurance
(AFA 486.) Winter. 5(5-0) F I 350 or Seniors in business administration.

Business insurance as it relates to business risks and decision making. Emphasis on business exposures, coverages and problems of the risk manager.

855. Market Cost-Revenue Analysis
(AFA 855.) Winter. 4(4-0) One course in accounting and one in marketing. Interdepartmental with and administered by the Department of Marketing and Transportation Administration.

Analytical tools for use in planning and controlling marketing activities. Emphasis on the determination of factors causing marketing cost differences and the assignment of costs to those factors. Application of tools to determination of expenditure-revenue patterns and market potentials.

870. Financial Markets
Fall. 4(4-0) F I 888.

Financial markets, rates, and flows. Major theoretical explanation and empirical evidence concerning financial market behavior.

871. Portfolio Theory and Capital Markets

(AFA 871.) Fall, Spring. 4(4-0) ACC 839; F I 888.

Theoretical and empirical development in portfolio analysis and capital markets. Included topics are implementation of the Markowitz and Sharpe portfolio models, development and implications of the capital asset pricing model, and empirical studies of capital markets.

872. Management and Financing of Corporate Assets

(AFA 872.) Fall, Summer. 4(4-0) F I 871 or concurrently.

Principles of decision analysis in management of current assets, estimation of requirements for short term funds, and valuation of capital budgeting and merger proposals. Analysis of actual business cases is supplemented by selected readings.

873. Long Term Financial Policies

(AFA 873.) Winter, Summer. 4(4-0) F I 871 or F I 872.

Planning capital structure and the cost of capital. Examines fundamental considerations of raising capital, debt management, dividend policy and problems in public issues. Analysis of actual business cases is supplemented by selected readings.

874. Investment Strategy

(AFA 874.) Spring. 4(4-0) F I 871 or concurrently, F I 872 or F I 873.

Analysis of various theories and techniques available to achieve superior selection and management of securities. Review and evaluation of significant literature in security analysis and investment.

878. Bank Management

(AFA 878.) Spring. 4(4-0) F I 888.

Provides a comprehensive working knowledge of commercial bank management. Topics include capital adequacy, liquidity, public policy and bank failures, regulation, consumer protection, and other internal and external banking industry issues.

888. Financial Concepts and Analysis

(AFA 888.) Fall, Winter. 4(4-0) ACC 839.

Principles of managerial finance. Working capital management, capital budgeting and methods of finance aimed at maintaining liquidity and profitability are considered. Emphasis is on decision making.

889. Financial Decision Making

(AFA 889.) Fall, Winter, Spring, Summer. 4(4-0) F I 888, ACC 840 or concurrently; MCT 833.

Financial planning and control at corporate officer level. Investment decisions, growth and expansion strategies, dividend policy. Interaction of finance with other corporate functions, and of the firm with the financial community.

890. Special Problems

Fall, Winter, Spring, Summer. 1 to 4 credits. Approval of department.

Independent study of special topics in finance or insurance.

990. Seminar in Financial Management Theory

Fall. 4(4-0) Doctoral candidates with approval of department.

The financial theory of the firm. Theoretical models dealing with capital structure, cost of capital, and dividend policy.

991. Seminar in Capital Markets

(AFA 991.) Winter. 5(5-0) F I 990.

The mathematical basis of portfolio theory. Development of capital asset pricing models. Empirical tests of capital market theories.

992. Seminar in Selected Finance Topics

Spring. 4(4-0) F I 991.

Study and research in finance topics selected from areas of interest to the instructor and doctoral candidates.

999. Doctoral Dissertation Research

Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 36 credits. Approval of department.

FISHERIES AND WILDLIFE

F W

College of Agriculture and Natural Resources

100. Introduction to Fisheries and Wildlife

Fall. 1(1-0) Freshmen Fisheries and Wildlife Majors.

Fisheries and wildlife as a profession. Academic and nonacademic needs to meet professional objectives, using current management problems as a focus for discussion.

203. Resource Ecology

(IDC 200.) Fall, Winter, Spring, Summer. 3(3-0) Interdepartmental with the departments of Forestry, Geography, Resource Development, and Zoology.

Basic concepts of ecology which are the unifying basis for resource management, conservation policy and the analysis of environmental quality. Extensive use of guest lecturers.

301. Fish and Wildlife of North America

Winter. 5(3-4) B S 212 or approval of department.

Comparative study of fish and wildlife groups in North America, their significant life history stages, morphology, migrations, habitats and populations. Common species are identified in the laboratory.

302. Ecosystem Processes

Spring. 3(3-0) CEM 143, PHY 238, B S 212, CSS 210, GLG 201, MTH 109 or MTH 111.

Concepts of ecosystem structure and function developed from basic scientific laws and relationships.

305. Principles of Fisheries and Wildlife Management

Winter. 3(3-0) IDC 200 or approval of department. Not open to majors in fisheries-limnology or wildlife-ecology options.

Ecological concepts in management. Effects of regulations, refuges, stocking, species introduction, habitat manipulation, artificial feeding, genetic improvement, land use and control of predators, diseases and competitors on the production of fish and game.

328. Vertebrate Pest Control

Winter. 3(3-0) B S 212 or approval of department.

Role of vertebrate animals as agents damaging to human interests; the concepts of damage control; damage control techniques, optional field trip.

340. Wildlife Biometry

Winter. 4(3-2) MTH 111, six credits in fisheries and wildlife.

Survey of statistical formulas, methods and applications of statistics to problems in fisheries and wildlife.

374. Biological Oceanography

Winter. 3(3-0) B S 212 or approval of department.

Biology of marine animals, with emphasis on physical, chemical and biological factors affecting their abundance and distribution.

376. Introductory Limnology

Winter. 3(3-0) B S 212; students may not receive credit for both F W 376 and F W 476.

Lake and stream ecology including effects of natural and human-induced perturbations on freshwater ecosystems.

402. Environmental Conservation Education

Fall. 4(3-2) Education majors or approval of department.

Nature, distribution, identification, and interrelationships of Michigan's flora and fauna which influence natural resource use. Includes techniques of teaching about the environment. Field trips required.

404. Fisheries and Wildlife Problems

Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll for a maximum of 12 credits. B S 212; 6 credits of fisheries and wildlife; approval of department.

To give undergraduate majors an opportunity to study special topics in fisheries and wildlife.

410. Upland Wildlife Management

Fall. 3(3-0) F W 302, F W 340, BOT 450.

Wildlife management based on upland ecological processes. Assessment and management of habitat. Mitigation of human impact.

412. Wetland Ecosystem Management

Fall. 3(3-0) F W 302, F W 340.

Ecosystem components and processes applied to wetland management. Mitigation of human impact.