

**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.

**517. Introduction to Sports Medicine**  
Fall. 2(2-0) Approval of instructor.

Causes, diagnosis, treatment and prevention of common sports injuries. Includes discussion of drugs, nutrition, exercise physiology and sports psychology. Emphasis on family practice approach to sports medicine.

**520. Primary Care in Developing Countries**

Winter. 2(2-0) Approval of department.  
Practical skills for medical problem solving in developing countries. Uses simulations extensively.

**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. Clinical Medicine in the Community**

Fall, Winter, Spring, Summer. 6 to 12 credits. May reenroll for a maximum of 12 credits. Approval of department.  
Clinical medicine in the community. Data gathering with formulation and presentation of plans for patients. Assessment of readiness for clinical clerkships. Exposure to community hospitals and out-patient settings.

**607. Ambulatory Care Clerkship**

Fall, Winter, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 9 credits. FMP 602. Interdepartmental with the departments of 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. 6 to 18 credits. May reenroll for a maximum of 24 credits. FMP 602, approval of department.  
Elective experience in family practice in diverse settings. Emphasis on primary, continuing, and comprehensive care.

**612. Inpatient Clerkship in Family Practice**

Fall, Winter, Spring, Summer. 6 to 12 credits. FMP 602.  
Demonstration of the role of the family physician in the hospital setting, including management of consultations and referrals.

**613. Rural Family Practice Clerkship**

Fall, Winter, Spring, Summer. 6 to 15 credits. FMP 602, approval of department.  
Small town practice in private offices and community health centers in northeast Michigan. Demonstrates the importance of social support services in health care, and the family as the unit of care.

**615. Medical Care in Developing Countries**

Fall, Winter, Spring, Summer. 6 to 12 credits. FMP 602, MED 608, PHD 608.  
Supervised experience in hospitals, outpatient clinics, villages and medical research centers in developing countries.

**617. Sports Medicine Clerkship**

Fall, Winter, Spring, Summer. 6 to 12 credits. FMP 602.  
Clinical elective experience concentrating on the primary care aspects of sports medicine. Involves care of acute and chronic sports injuries, mostly of college-level athletes.

## FINANCE AND INSURANCE FI

### College of Business and Graduate School of Business Administration

**350. Principles of Risk and Insurance**

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.

**352. Pensions and Employee Benefits**

Spring. 4(4-0) Juniors or approval of department.  
Employee benefit plans and regulations. Group insurance, pensions and alternative method for financing such plans.

**354. Financial Estate Planning**

Fall. 4(4-0) Juniors or approval of department.  
Analysis of estate and gift taxation for personal and business financial planning.

**391. Financial Management**

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**

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.

**395. Principles of Urban Real Estate Administration**

Spring. 4(4-0) EC 201 or F I 391 or approval of department.  
Concepts of urbanism city functions and growth. Analysis of physical location, legal, social, and other factors governing property values. Theories and techniques of valuing urban real estate.

**430. International Financial Management**

Winter. 4(4-0) F I 391.  
Financial management of overseas capital budgeting, corporate liquidity, risk, import-export contracting, raising capital, and dealing with foreign exchange.

**491. Financial Markets**

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**

Winter. 4(4-0) F I 391.  
Management of depository-type financial institutions like savings and loans, credit unions and banks. Lending, investments and asset-liability management. Regulation, deregulation and competition between non-depository institutions.

**493. Advanced Business Finance**

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.

**494. Strategies for Speculative Markets**

Winter. 4(4-0) F I 391.  
Use of stock options, futures and other financial instruments in domestic and foreign markets. The general theory of hedging risk.

**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.

**496. Computer Financial Models**

Spring. 4(4-0) F I 391, MTA 317 or STT 422 or STT 442.  
Solution of business financial problems through the use of personal computers and selected software programs.

**Descriptions — Finance and Insurance  
of  
Courses**

**817. Financial Decision Models**

Winter. 4(4-0) ACC 839, F I 888. Interdepartmental with the Department of Accounting.

Development and application of computerized financial models in finance, accounting, and control activities. Use of financial planning software on personal and mainframe computers. Emphasis on models in case analysis.

**850. Risk Management and Insurance Concepts**

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.

**855. Market Cost-Revenue Analysis**

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**

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

Theoretical and empirical developments in portfolio analysis, capital markets, capital asset pricing model, arbitrage pricing theory, efficient market hypothesis, and studies of capital markets.

**872. Management and Financing of Corporate Assets**

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**

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**

Spring. 4(4-0) F I 871 or concurrently.

Analysis of theories and techniques available to achieve superior returns through security selection and/or portfolio management. Review and evaluation of significant literature and empirical results of various investment strategies.

**878. Bank Management**

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**

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

Basic principles of business finance covering short, intermediate, and long term problems. Principles of capital budgeting. Emphasis on the mathematics of finance and use of numerical examples and problems.

**889. Financial Decision Making**

Fall, Winter, Spring, Summer. 4(4-0) ACC 840, F I 888 or concurrently.

Financial planning and control using financial theory and management techniques for short, intermediate, and long term problems. Involves case problems.

**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**

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**

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.

**207. Great Lakes: Biology and  
Management**

Spring. 3(3-0) Interdepartmental with the Department of Resource Development.

Living aquatic resources of the Great Lakes: environmental history, biological resources and their management.

**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) F W 203 or approval of department. Not open to majors with Fishery Biology and Limnology or Wildlife Biology and Ecology option.

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.

**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 or FOR 304, FOR 204 or BOT 318.

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.