

**Descriptions — Family Practice
of
Courses**

636. Core Competencies II
Spring. 2 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Human Medicine and Medicine. Administered by Human Medicine.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
A weekly seminar addressing core knowledge and skills from an interdisciplinary perspective.

637. Core Competencies III
Spring, Summer. 2 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Human Medicine; Medicine; Pediatrics and Human Development; Surgery; and Obstetrics, Gynecology and Reproductive Biology. Administered by Human Medicine.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
A weekly seminar addressing core knowledge and skills from an interdisciplinary perspective.

640. Advanced Comprehensive Care
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course. Interdepartmental with Human Medicine; Pediatrics and Human Development; Medicine; and Obstetrics, Gynecology and Reproductive Biology. Administered by Human Medicine.
P: FMP 608, PHD 600, MED 608. R: Open only to graduate-professional students in College of Human Medicine.
Clinical experience in community-oriented primary care. Emphasis on urban and rural underserved populations.

FINANCE

FI

**Department of Finance
The Eli Broad College of Business
and The Eli Broad Graduate
School of Management**

201. Personal Investing
Fall, Spring, Summer. 3(3-0)
R: Not open to students with credit in FI 312
Introduction to the world of personal investing. Formulation of intelligent and practical investment plans. Implementation using stocks, bonds, and other investments. Performance evaluation with respect to stated goals.

311. Financial Management
Fall, Spring, Summer. 3(3-0)
P: ACC 202 or ACC 230 or ACC 251H or HB 302. R: Open only to juniors and seniors.
Optimal management of the firm's assets and financing requirements. Analysis of financial statements, financial markets, risk, valuation, long-term and short-term financing and investment. International and ethical implications.

312. Introduction to Investments
Fall, Spring, Summer. 3(3-0)
P: FI 311.
Theoretical and empirical analyses of securities. Risk and return formation. Security analysis and concepts of market efficiency. Common stocks, bonds, options, futures, and international securities.

331. Principles of Risk Management and Insurance
Fall, Spring. 3(3-0)
P: STT 315.
Legal aspects of insurance contracts. Organization of insurance companies. Personal and business insurance coverages. Insurance regulation. International relationships.

413. Management of Financial Institutions
Fall, Spring, Summer. 3(3-0)
P: FI 311. R: Open only to majors in the College of Business.
Management, decision-making and policy formulation for depository and non-depository financial institutions. Emphasis on commercial banking, with attention also to S&Ls, credit unions and non-bank financial institutions.

414. Advanced Business Finance (W)
Fall, Spring, Summer. 3(3-0)
P: FI 312, FI 413 or concurrently. R: Open only to seniors in the College of Business. Completion of Tier I writing requirement.
Advanced financial management of business firms. Theoretical and case applications that integrate capital budgeting, valuation, capital structure, mergers, international business finance, working capital management and ethical considerations.

434. Life and Health Insurance
Spring. 3(3-0)
P: STT 315, FI 311.
Economics of life and health insurance in the United States, with international comparisons. Actuarial models, underwriting, marketing, and taxation. Diversity issues such as gender-based underwriting and the financial impact of AIDS.

451. International Financial Management
Fall, Spring. 3(3-0)
P: FI 311; MSC 310 or EC 340.
Financial management of multinational firms. Theoretical and applied aspects of international capital budgeting, capital structure, cash management, and exchange-rate risk. Ethical considerations.

455. Computer Applications for Financial Modeling
Fall, Spring, Summer. 3(3-0)
P: FI 311; MSC 317 or STT 422 or STT 442.
Application of personal and mainframe computers and software to corporate, personal and international financial analysis.

478. Investment Strategies and Speculative Markets
Fall, Spring, Summer. 3(3-0)
P: FI 312.
Pricing, trading, hedging and speculating in financial markets. Effects of risk and maturity on security prices. Strategies with futures, options, and other financial instruments in domestic and international markets. Ethical considerations.

490. Independent Study
Fall, Spring, Summer. 1 to 3 credits.
R: Open only to seniors.
Supervised independent study of special topics in finance or insurance.

801. Managerial Finance
Fall, Spring. 3(3-0)
P: ACC 800. R: Open only to students in the Program in Professional Accounting, to MBA students, and to students in programs for which FI 801 is a catalog-listed requirement.
Short-, intermediate- and long-term problems. Financial planning and control. Applications in domestic and international settings.

821. Financial Management
Spring. 3(3-0)
P: ACC 811. R: Open only to MBA students in the Advanced Management Program.
Managerial finance covering short-, intermediate- and long-term problems. Financial planning and control using financial theory and management techniques. Applications in domestic and international settings.

841. Risk Management for Commercial and Public Entities
Fall. 3(3-0)
R: Open only to graduate students in the College of Business.
Analysis of exposures, risk management alternatives, and their social, legal and economic implications. Cost and benefit analysis of decisions.

851. Introduction to Investments
Fall, Spring. 3(3-0)
P: FI 801. R: Open only to students in the Program in Professional Accounting and to MBA students.
Security risk and return concepts. Security analysis and concepts of market efficiency. Emphasis on equity investments. Bonds, options, futures, and international securities.

852. Financial Markets and Strategies
Spring. 3(3-0)
P: FI 851. R: Open only to students in the Program in Professional Accounting and to MBA students.
Theories concerning domestic and international financial markets and instruments. Effects of risk and maturity on prices. Arrangement of business and portfolio risk and returns with options and futures.

860. International Financial Management
Fall. 3(3-0)
P: FI 801. R: Open only to graduate students in Business.
Capital budgeting, capital structure decisions, cash management, foreign currency markets and exchange rate risk management. Ethical and tax considerations.

862. Advanced Managerial Finance
Fall, Spring. 3(3-0)
P: FI 801. R: Open only to graduate students in Business.
Financial planning and control using financial theory and management techniques. Applications in international settings. Use of business cases.

865. Financial Decision Models
Fall. 3(3-0) Interdepartmental with Accounting.
P: FI 801. R: Open only to students in M.B.A. programs and to students in Program in Professional Accounting.
Development and application of computerized financial models in finance and accounting, and in control activities. Use of financial planning software on personal and mainframe computers. Use of models in case analysis.

878. Bank Management
Spring. 3(3-0)
P: FI 801. R: Open only to graduate students in Business.
Nature, structure and management of commercial banks. Focus on products and services offered, risks, policies, and strategies. Applications in domestic and international settings.

890. Independent Study
Fall, Spring. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to graduate students in Business. Approval of department.
Faculty-guided research projects.

980. Theory of Finance
Fall. 3(3-0)
R: Open only to Ph.D. students in Business or approval of department.
Introduction to the financial theory of the firm. Theoretical models dealing with capital structure, cost of capital, dividend policy and leasing.

981. Corporate Finance Theory
Spring of odd-numbered years. 3(3-0)
P: FI 980. R: Open only to Ph.D. students in Business.
Theoretical foundations. Recent empirical research in capital structure, dividend policy, and agency theory.

982. Investment Theory
Spring of even-numbered years. 3(3-0)
P: FI 980. R: Open only to Ph.D. students in Business.
Market efficiency, stochastic processes, option pricing, efficient set mathematics, intertemporal asset pricing and arbitrage pricing theory.

993. Finance Workshop
Fall. 3(3-0)
P: FI 980. R: Open only to Ph.D. students in Finance.
Critical evaluation of original research papers by faculty and students.

999. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course.
R: Open only to Ph.D. students in Finance and Insurance.

FISHERIES AND WILDLIFE FW

Department of Fisheries and Wildlife College of Agriculture and Natural Resources

100. Introduction to Fisheries and Wildlife
Fall. 1(1-0)

R: Open only to freshmen or sophomores.
Fisheries and wildlife history, philosophy and management in the context of conservation ethics.

110. Conservation and Management of Marine Resources
Spring. 3(3-0)

Marine environment, resource distribution, and human impacts on selected marine commercial fisheries. Conflicts in management goals between government and industry. Management goals and techniques in preserving and conserving marine resource biodiversity.

203. Resource Ecology
Fall, Spring. 3(3-0)

Basic concepts of ecology which provide a foundation for examining environmental problems and their solutions.

205. Principles of Fisheries and Wildlife Management
Spring. 3(3-0)

Characteristics of the fish and wildlife resource. Ecological and societal factors influencing the management of fish and wildlife. Management techniques.

207. Great Lakes: Biology and Management
Fall. 3(3-0) Interdepartmental with Resource Development.

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

211. Introduction to Gender and Environmental Issues
Spring. 3(3-0) Interdepartmental with Resource Development, Women's Studies, Forestry, and Public Resource Management.

R: Not open to freshmen.
The concept of gender. Overview of environment and habitat. Historical gender roles in environmental management. Gender-based theoretical perspectives. Case studies on developing and developed countries. Environmental management with emphasis on fisheries, wildlife and wetlands. Women environmental professionals.

275. Seafood Systems Management
Spring. 3(3-0) Interdepartmental with Food Science and Animal Science.

Domestic and international perspectives on major aquatic foods. Cultural and nutritional value; wild harvest; aquaculture; processing technology; food handling and food safety.

284. Natural History and Conservation in Michigan
Fall. 3(2-3)

R: Not open to freshmen.
Identification, habitat requirements, and distribution of Michigan's flora and fauna. Interrelationships which influence natural resource use. Field trips required.

324. Wildlife Biometry
Spring. 3(2-3)

P: MTH 116, ZOL 355.
Quantitative techniques to analyze and interpret fisheries and wildlife data.

326. Introduction to Waste Management
Fall. 3(3-0) Interdepartmental with Resource Development. Administered by Resource Development.
P: RD 200, RD 320.

Waste management definitions, techniques, technologies, and strategies. Integrative approach to waste management as an environmental, social, and political subject.

328. Vertebrate Pest Control
Spring. 3(3-0)

P: BS 110.
Role of vertebrate animals as agents damaging to human interests. Damage evaluation. Damage control strategies and techniques.

364. Ecosystem Processes
Spring. 3(2-2)

P: CEM 141, FW 324.
Concepts of ecosystem structure and function developed from basic scientific laws and relationships.

369. Introduction to Zoo and Aquarium Science
Spring. 3 credits. Interdepartmental with Zoology, Landscape Architecture, and Veterinary Medicine. Administered by Zoology.

P: BS 110.
Fundamentals of zoo and aquarium operations including research, interpretation, design, nutrition, captive breeding, conservation, ethics and management.

410. Upland Ecosystem Management
Spring. 4(3-3)

P: FOR 404 or ZOL 250.
Analysis and management of upland ecosystems to meet wildlife management and biodiversity objectives. Mitigation of human impact.

412. Wetland Ecosystem Management
Fall. 3(3-0)

P: FW 364 or ZOL 250. R: Completion of Tier I writing requirement.
Ecosystem components and processes applied to wetland management. Mitigation of human impact.

413. Wildlife Research and Management Techniques
Fall. 4(2-4)

P: FW 324 C; FW 412 or FW 410 or concurrently or approval of department. concurrently. R: Open only to juniors or seniors or graduate students in the Fisheries and Wildlife major.

Field and laboratory techniques used in collecting, analyzing, and communicating data on wild animal populations and their habitats. Field trip required.

419. Geographical Information Systems in Natural Resource Management

Spring. 4(2-4) Interdepartmental with Geography; Forestry; Resource Development; Biosystems Engineering; and Park, Recreation and Tourism Resources.

P: GEO 221.
The application of geographic information systems, remote sensing, and global positioning systems to integrated planning and management for fish, wildlife, and related resources.

420. Stream Ecology

Fall. 3(3-0) Interdepartmental with Zoology.

P: BS 110, CEM 141, ZOL 355
Biological and environmental factors determining structure and function of stream ecosystems.

424. Population Analysis and Management
Fall. 4(3-3)

P: FW 364.
Statistical, ecological and management concepts and methods needed to analyze and interpret demographic data and manage fish and wildlife populations.

431. Comparative Limnology

Summer. 4 credits. Given only at W.K. Kellogg Biological Station. Interdepartmental with Zoology, and Botany and Plant Pathology. Administered by Zoology.

P: CEM 141 or CEM 151; ZOL 250. R: Not open to students with credit in FW 472.

Physical, chemical, and biological aspects of lakes and streams. Introduction to freshwater biology, and population and community ecology.

434. Human Dimensions of Fisheries and Wildlife Management
Spring. 3(3-0)

P: FW 324. R: Not open to freshmen and sophomores. Completion of Tier I writing requirement.
Sociological implications of public policy and planning processes in fisheries and wildlife management resources.

444. Conservation Biology

Fall. 3(3-0) Interdepartmental with Zoology.

P: BS 110. R: Completion of Tier I writing requirement.
Ecological theories and methodologies to manage species, communities and genetic diversity on a local and global scale.

462. Invertebrate Fisheries and Wildlife Management
Spring. 4(3-3)

P: ZOL 355.
Natural history, conservation and management of selected invertebrate species including commercially important, exotic, non-game, and selected threatened and endangered species.

464. Natural Resource Economics and Social Science (W)

Fall. 3 credits. Interdepartmental with Forestry; Park, Recreation and Tourism Resources; and Resource Development. Administered by Forestry.

P: EC 201 or EC 202. R: Not open to freshmen and sophomores. Completion of Tier I writing requirement.
Application of economic and social science principles and techniques to production and consumption of natural resources. Benefit-cost analysis. Regional impact analysis. Social impact assessment.

465. Ecological Risk Assessment

Spring. 3(3-0) Interdepartmental with Resource Development.

P: CEM 143, CEM 161, ZOL 355; FW 324 or STT 200 or STT 201.

Ecotoxicology. Monitoring and modeling the fate of toxins in ecosystems. Dose response relationships. State and federal regulations related to environmental contaminants.