

**Descriptions—Family Medicine
of
Courses**

650. Principles of Family Medicine II
Spring. 1 to 20 credits. A student may earn a maximum of 20 credits in all enrollments for this course.
P: FM 640. R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II.
Continuation of FM 640.
QP: FM 652, PHM 520 QA: FM 672, FM 682

FAMILY PRACTICE FMP

**Department of Family Practice
College of Human Medicine**

515. Health Care in Underserved Areas
Fall of even-numbered years. 2 to 3 credits. Interdepartmental with Family Medicine.
R: Graduate-professional students in colleges of Human and Osteopathic Medicine.
Professional, economic, and personal issues confronting the physician practicing in medically underserved areas. Impact of practice location, federal programs, changing patterns of practice, health maintenance organizations.

516. Migrant Worker Health Care
Summer. 1 to 2 credits. A student may earn a maximum of 8 credits in all enrollments for this course. Interdepartmental with Family Medicine.
R: Open only to graduate-professional students in colleges of Human and Osteopathic Medicine.
Health beliefs, patient attitudes, economic situations and medical problems of migrant agricultural workers. Introduction to occupational medicine in the agricultural sector.

517. Introduction to Sports Medicine
Fall. 2(2-0) Interdepartmental with Family Medicine.
R: Graduate-professional students in colleges of Human and Osteopathic Medicine.
Causes, diagnosis, treatment, and prevention of common sports injuries. Drugs, nutrition, exercise physiology and sports psychology. Emphasis on family practice approach to sports medicine.

518. Sports Medicine II
Spring. 1(0-12)
P: FMP 517 R: Open only to graduate-professional students in College of Human Medicine, and College of Osteopathic Medicine and graduate students in College of Nursing.
This is a continuation of FMP 517. Introduction to Sports Medicine, where practicums and demonstrations expand on students' knowledge from classroom lecture in FMP 517; multidisciplinary aspects of sports medicine through direct observations

520. Primary Care in Developing Countries
Spring of even-numbered years. 2(2-0)
R: Open only to graduate-professional students in colleges of Human and Osteopathic Medicine.
Practical skills for medical problem solving in developing countries: physician experiences, cross-cultural training, instruction of health workers, resource allocation; coping with special challenges, e.g., malnutrition.

580. Special Topics in Family Practice
Fall, Spring, Summer. 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Graduate-professional students in colleges of Human and Osteopathic Medicine.
Exploration of special aspects of family practice. Possible examples include ethnicity and aging, clinical nutrition, sports medicine, death and dying, health care of women, research methods in primary care.

602. Clinical Medicine in the Community
Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
P: Completion of preclinical curriculum. R: Open only to graduate-professional students in College of Human Medicine.
Data gathering with formulation and presentation of plans for patients. Assessment of readiness for clinical clerkships. Exposure to community hospitals and ambulatory settings.
QA: FMP 602

610. Family Practice Clerkship
Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
Experience in family practice in diverse settings. Primary, continuing and comprehensive care.
QP: FMP 602 QA: FMP 610

612. Inpatient Clerkship in Family Practice
Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
Demonstration of the role of the family physician in hospital settings. Management of consultations and referrals.
QP: FMP 602 QA: FMP 612

613. Clinical Research in Rural Practice
Fall, Spring, Summer. 4 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
Investigation of clinical topics in rural family practice. Application of survey and epidemiologic research methods. Use of clinical data.
QP: FMP 602 QA: FMP 613

615. Medical Care in Developing Countries
Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
Supervised experience in hospitals, outpatient clinics, villages and medical research centers in developing countries.
QP: FMP 602 QA: FMP 615

617. Sports Medicine Clerkship
Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
Primary care aspects of sports medicine. Care of acute and chronic sports injuries, mostly of college level athletes.
QP: FMP 602 QA: FMP 617

619. Ambulatory Care Clerkship
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 15 credits in all enrollments for this course. Interdepartmental with Medicine and Pediatrics.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
Continuous and comprehensive patient care under supervision of appropriate physicians.
QP: FMP 602 QA: FMP 607

FINANCE AND INSURANCE FI

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

311. Financial Management
Fall, Spring, Summer. 3(3-0)
P: ACC 202 or ACC 230 or ACC 251H or HRI 302.
R: Open only to juniors and seniors in the College of Business or in programs for which FI 311 is a catalog-listed requirement.
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.
QP: ACC 202 or ACC 230 or ACC 251H or HRI 302 QA: FI 391

312. Introduction to Investments
Fall, Spring, Summer. 3(3-0)
P: FI 311. R: Open only to majors in the College of Business.
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.
QP: FI 391 QA: FI 392

331. Principles of Risk Management and Insurance
Fall, Spring. 3(3-0)
P: STT 315. R: Open only to majors in the College of Business.
Legal aspects of insurance contracts. organization of insurance companies. Personal and business insurance coverages. Insurance regulation. International relationships.
QP: STT 315 QA: FI 350

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.
QP: FI 391 QA: FI 492

414. Advanced Business Finance
Fall, Spring, Summer. 3(3-0)
P: FI 312, FI 413 or concurrently. R: Open only to seniors in the College of Business.
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.
QP: FI 392, FI 492 or CONCURRENTLY. QA: FI 493

434. Life and Health Insurance
Spring. 3(3-0)
P: STT 315, FI 311. R: Open only to majors in the College of Business.
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.
QP: STT 315, FI 391

451. International Financial Management
Fall, Spring. 3(3-0)
P: FI 311; ML 310 or EC 340. R: Open only to majors in the College of Business.
Financial management of multinational firms. Theoretical and applied aspects of international capital budgeting, capital structure, cash management, and exchange-rate risk. Ethical considerations.
QP: FI 391 QA: FI 430

455. Computer Applications for Financial Modeling
Fall, Spring, Summer. 3(3-0)
P: FI 311; ML 317 or STT 422 or STT 442. R: Open only to majors in the College of Business.
Application of personal and mainframe computers and software to corporate, personal and international financial analysis.
QP: FI 391, ML 317 or STT 422 or STT 442 QA: FI 496

478. Investment Strategies and Speculative Markets
Fall, Spring, Summer. 3(3-0)
P: FI 312. R: Open only to majors in the College of Business.
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.
QP: FI 392 QA: FI 491, FI 494

490. Independent Study
Fall, Spring, Summer. 1 to 3 credits.
R: Open only to seniors in Financial Administration. Approval of department.
Supervised independent study of special topics in finance or insurance.
QA: FI 495

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.
QP: ACC 839 QA: FI 889

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.
QA: FI 889

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.
QA: FI 850

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.
QP: FI 888 QA: FI 874

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.
QP: FI 871 QA: FI 870

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.
QP: FI 888

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.
QP: FI 888 QA: FI 872, FI 873

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.
QP: FI 888 QA: FI 817

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.
QP: FI 888 QA: FI 878

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.
QA: FI 890

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.
QA: FI 990

981. Corporate Finance Theory
Spring of even-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.
QP: FI 990 QA: FI 991

982. Investment Theory
Spring of odd-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.
QP: FI 990 QA: FI 992

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.
QP: FI 990

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.
QA: FI 999

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)
Fisheries and wildlife history, philosophy and management in the context of conservation ethics.
QA: FW 100

203. Resource Ecology
Fall, Spring. 3(3-0)
Basic concepts of ecology which provide a foundation for examining environmental problems and their solutions.
QP: BOT 201, NS 142 QA: F W 203

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.
QA: FW 305

207. Great Lakes: Biology and Management
Spring. 3(3-0) Interdepartmental with Resource Development.
Living aquatic resources of the Great Lakes: environmental history, biological resources and their management. Policy issues.

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.
QA: FW 402

324. Wildlife Biometry
Fall. 3(2-13)
P: MTH 116, ZOL 250.
Quantitative techniques to analyze and interpret fisheries and wildlife data.
QP: MTH 111, ZOL 389 QA: FW 340

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.
QP: BS 212 QA: FW 328

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.
QP: FW 340, ZOL 389, CEM 141 QA: FW 302

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.
QP: BOT 450, FOR 304 QA: FW 410

412. Wetland Ecosystem Management
Fall. 3(3-0)
P: FW 364 or ZOL 250.
Ecosystem components and processes applied to wetland management. Mitigation of human impact.
QP: FW 302, FW 340 QA: FW 412

420. Stream and Aquatic Insect Ecology
Fall. 3(2-3) Interdepartmental with Entomology and Zoology.
P: BS 110, CEM 141.
Biological and environmental factors determining structure and function of stream and aquatic insect communities. Aquatic insect systematics.
QP: BS 212 QA: FW 478, ENT 420

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.
QP: FW 340, ZOL 389 QA: FW 424

434. Human Dimensions of Fisheries and Wildlife Management
Spring. 3(3-0)
P: FW 324. R: Not open to freshmen and sophomores.
Sociological implications of public policy and planning processes in fisheries and wildlife management resources.
QP: FW 410, FW 412, FW 413 QA: FW 434

444. Conservation Biology
Fall. 3(3-0) Interdepartmental with Zoology.
P: BS 110.
Ecological theories and methodologies to manage species, communities and genetic diversity on a local and global scale.
QP: BS 212