

**FAMILY AND CHILD ECOLOGY**

**991B\* Marriage and Family Therapy Supervision**  
3(2-3)  
R: Open only to graduate students in the Marriage and Family Therapy emphasis of Family and Child Ecology. Approval of department. Models of marriage and family therapy and related supervision principles. Development of perceptual, cognitive, and executive supervisory skills. Ethical, legal, educational issues.

**993\* Internship**  
Fall, Spring, Summer. 1 to 9 credits. May reenroll for a maximum of 12 credits.  
R: Open only to Family and Child Ecology graduate students. Approval of department. Supervised practicum, or internship.  
QA: FCE 901

**999\* Doctoral Dissertation Research**  
Fall, Spring, Summer. 1 to 24 credits. May reenroll for a maximum of 50 credits.  
R: Open only to majors in Family Ecology.  
QA: FCE 999

**FAMILY MEDICINE FM**

**590\* Special Problems in Family Medicine**  
Fall, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 32 credits.  
R: Open only to graduate-professional students in the colleges of Osteopathic and Human Medicine. Approval of department. Each student works under faculty direction on an experimental, theoretical, or applied problem.  
QA: FM 590

**601\* Clinical Practicum in Family Medicine**  
Fall, Spring, Summer. 4 to 24 credits in increments of 2 credits. May reenroll for a maximum of 24 credits.  
R: Open only to graduate-professional students in the College of Osteopathic Medicine. Units I and II. Direct involvement in a family practice emphasizing patient, office, and personnel management.  
QA: FM 600

**620\* Directed Studies**  
Fall, Spring, Summer. 2 to 24 credits in increments of 2 credits. May reenroll for a maximum of 48 credits.  
R: Open only to graduate-professional students in the colleges of Osteopathic and Human Medicine. Approval of department. Individual or group projects on special problems related to family medicine.  
QA: FM 620

**640\* Principles of Family Medicine I**  
Fall. 1(00-04)  
R: Open only to graduate-professional students in the College of Osteopathic Medicine. Unit I; Systems Biology course or concurrently. Preceptorship experience in family medicine taught by faculty and clinical preceptors at multiple sites.  
QP: PHM 520 QA: FM 652 FM 662

**650\* Principles of Family Medicine II**  
Spring. 1(00-04)  
P: FM 640. R: Open only to graduate-professional students in the College of Osteopathic Medicine. Unit I; Systems Biology course or concurrently. Continuation of FM 640.  
QP: FM 652 PHM 520 QA: FM 672 FM 682

**FAMILY PRACTICE FMP**

**515. Health Care in Underserved Areas**  
Fall of even-numbered years. 2 to 3 credits. Interdepartmental with the Department(s) of 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**  
Spring. 2 to 4 credits. May reenroll for a maximum of 8 credits. Interdepartmental with the Department(s) of Family Medicine.  
R: 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 the Department(s) of Osteopathic 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(0-2)  
P: FMP 517 R: Grad Prof Stud in College of Human and Osteopathic Medicine Students in College of Nursing  
The course is intended to provide the medical student or graduate level student with an awareness of and experience in multidisciplinary aspects of sports medicine through direct observations and hands-on tutorials  
QA: FMP

**520. Primary Care in Developing Countries**  
Fall of odd-numbered years. 2(2-0)  
R: 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. May reenroll for a maximum of 6 credits.  
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(-)  
P: Passed preclinical curriculum R: Grad 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 out-patient settings  
QA: FMP 602

**607\* Ambulatory Care Clerkship**  
Fall, Spring, Summer. 1 to 3 credits. Interdepartmental with the Department(s) of Medicine, Pediatrics.  
P: FMP 602 R: Graduate Professional Students in College of Human Medicine  
Outpatient experience, lasting an equivalent of 36 half days and extending over a minimum of 26 weeks. Continuous and comprehensive patient care under supervision of appropriate physicians  
QP: FMP 602 QA: FMP 607 PHD 607 MED 607

**610\* Family Practice Clerkship**  
Fall, Spring, Summer. 6 to 12 credits in increments of 6 credits. May reenroll for a maximum of 6 credits.  
P: FMP 602 R: Graduate Professional students in College of Human Medicine  
Experience in family practice in diverse settings. Emphasis on primary, continuing and comprehensive care  
QP: FMP 602 QA: FMP 610

**612\* Inpatient Clerkship in Family Practice**  
Fall, Spring, Summer. 6 to 12 credits in increments of 6 credits. May reenroll for a maximum of 6 credits.  
P: FMP 602 R: Grad professional students in College of Human Medicine  
Demonstration of the role of the family physician in the hospital setting, including management of consultations and referrals  
QP: FMP 602 QA: FMP 612

**615\* Medical Care in Developing Countries**  
Fall, Spring, Summer. 6 to 12 credits in increments of 6 credits. May reenroll for a maximum of 6 credits.  
P: FMP 602 R: Grad 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 in increments of 6 credits. May reenroll for a maximum of 6 credits.  
P: FMP 602 R: Grad Professional students in College of Human Medicine  
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  
QP: FMP 602 QA: FMP 617

**FINANCE AND INSURANCE FI**

**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 and in programs that list FI 311 as a catalog 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 ORACC 230ORACC 251H 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

## FINANCE AND INSURANCE

- 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. 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**  
 Spring. 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. 3(3-0)  
 P: FI 311 and MTA 310 or EC 340 R: Juniors and Seniors Business  
 Financial management of multinational business firms. Theoretical and applied coverage 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. 3(3-0)  
 P: FI 311; MTA 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 MTA 317 OR STT 422 OR 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
- 817\*.** **Financial Decision Models**  
 Spring. 3(3-0) Interdepartmental with the Department(s) of Accounting.  
 P: FI 889 R: Graduate or PPA Business  
 MBA or PPA  
 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.  
 QP: FI 888 QA: FI 817
- 850\*.** **Risk Management for Commercial and Public Entities**  
 Spring. 3(3-0)  
 R: Graduate Business  
 Application of risk management techniques to businesses and public entities. Analysis of exposures, risk management alternatives, and their social, legal and economic implications. Cost/benefit analysis of decisions.  
 QA: FI 850
- 861\*.** **International Financial Management**  
 Fall. 3(3-0)  
 P: FI 889 R: Graduate Business  
 Financial management in an international environment including capital budgeting, capital structure decisions, cash management, foreign currency markets and exchange rate risk mgmt; ethical and tax considerations.  
 QP: FI 888
- 870\*.** **Financial Markets and Strategies**  
 Spring. 3(3-0)  
 P: FI 874 R: Graduate or PPA Business  
 MBA or PPA  
 Theories concerning domestic and international financial markets and instruments. Effects of risk and maturity on prices. Special focus on managing business and portfolio risk and returns with options and futures.  
 QP: FI 871 QA: FI 870
- 872\*.** **Advanced Managerial Finance**  
 Fall, Spring. 3(3-0)  
 P: FI 889 R: Graduate Business  
 Advanced management and financing of corporate assets and long term financial policies. Financial planning and control using financial theory and management techniques and applied in an international setting. Use of business cases.  
 QP: FI 888 QA: FI 872 FI 873
- 874\*.** **Introduction to Investments**  
 Fall, Spring. 3(3-0)  
 P: FI 889 or equivalent R: Graduate or PPA Business  
 MBA or PPA  
 Analysis and application to 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
- 878\*.** **Bank Management**  
 Spring. 3(3-0)  
 P: FI 889 R: Graduate Business  
 The nature, structure and management of commercial banks. Focus on products and services offered, risks, policies and strategies, both domestically and internationally.  
 QP: FI 888 QA: FI 878
- 889\*.** **Managerial Finance**  
 Fall, Spring. 3(3-0)  
 P: ACC 800 or equivalent R: Graduate or PPA Business  
 MBA or PPA  
 Managerial finance covering short-, intermediate- and long-term problems. Financial planning and control using financial theory and management techniques. Applications in both domestic and international settings.  
 QP: ACC 839 QA: FI 889
- 890\*.** **Special Problems**  
 Fall, Spring. 1 to 3 credits. May reenroll for a maximum of 6 credits.  
 R: Graduate Business Approval of Department  
 Independent study of special topics in finance or insurance  
 QA: FI 890
- 990\*.** **Theory of Finance**  
 Fall. 3(3-0)  
 R: Ph.D. students or approval of Department  
 Business 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
- 991\*.** **Corporate Finance Theory**  
 Spring of odd-numbered years. 3(3-0)  
 P: FI 990 R: Ph.D. students Business  
 Approval of Department  
 The theoretical foundations of corporate finance, recent empirical research in capital structure, dividend policy, and agency theory.  
 QP: FI 990 QA: FI 991
- 992\*.** **Investment Theory**  
 Spring of even-numbered years. 3(3-0)  
 P: FI 990 R: Ph.D. Business  
 Approval of Department  
 Theoretical and empirical basis for investments. Topics include 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 990 R: Ph.D. Business  
 Finance Approval of Department  
 Critical evaluation of original research papers by faculty and students.  
 QP: FI 990
- 999\*.** **Doctoral Dissertation Research**  
 Fall, Spring, Summer. 1 to 24 credits.  
 May reenroll for a maximum of 99 credits.  
 R: Ph.D. students Business Finance and Insurance  
 QA: FI 999

## FISHERIES AND WILDLIFE FW

- 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: BOT201 NS142
- 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