FAM 335. Parent-Child Relationships Across the Lifespan. 3 credits.
Offered on a rotating basis.
Focuses on intergenerational caregiving and interactions across the lifespan and generations. Uses a developmental framework to explore family life as the territory in which people fulfill relational responsibilities to children and parents while simultaneously attending to independent life stage challenges. Prerequisite: FAM 133 or SOCI 276.

FAM/GERN/NPS/SOWK 375. Grant Writing for Agencies. 3 credits.
Offered on a rotating basis.
Emphasizing active learning, this course teaches the basics of grant and proposal writing. Efficient research, persuasive prose and the importance of relationships are stressed. Private and corporate philanthropy and government grants are examined.

FAM/SOWK 386. Youth Empowerment Strategies (YES). 3 credits. Offered fall and/or spring.
Students learn to use group activities that include the creative arts, low ropes and self-discovery in youth empowerment. The goal is to help youth build life skills and make informed decisions. Prior to beginning work with youth, students complete 25 hours of training.

FAM 400. Issues and Applications. 3 credits. Offered fall and spring.
This seminar is designed to integrate and apply knowledge from the student's major and the family studies minor. A substantial, in-depth individualized project will strengthen the student's capabilities in research, information access and self-directed learning. Prerequisites: FAM 133 or SOCI 276, three additional courses in the family studies minor, and junior or senior standing.

FAM 487. Special Topics in Family Studies. 3 credits.
Offered on a rotating basis.
Examination of selected topics that are of current importance to family studies. Course may be repeated for credit. Prerequisite: FAM 133 or SOCI 276.

FAM 490. Special Studies in Family Studies. 1-3 credits.
The course is designed to give capable students in family studies an opportunity to complete independent study under faculty supervision. Course may be repeated for credit. Prerequisites: FAM 133 or SOCI 276 and two additional courses in the family studies minor or permission of the instructor.

Finance
College of Business

FIN 210. Principles of Real Estate. 3 credits.
Emphasizes industry principles and economic factors influencing the real estate business. Subjects include contracts, deeds, valuation, financing and subdivision development.

FIN 250. Introduction to Quantitative Finance. 3 credits. Offered spring.
The purpose of this course is to provide a broad introduction to the markets and instruments of engineered finance. The focus of the course is to expose students to the properties and uses of the array of non-traditional financial instruments that are increasingly trading in both the exchange and over-the-counter markets. Prerequisite: Minimum grade of “C” in MATH 235, MATH 236, ECON 201 and GECON 200.

FIN 301. Principles of Finance. 3 credits. Offered fall and spring.
The purpose of this course is to provide a foundation in the principles and tools of finance, which include financial analysis, the time value of money, capital budgeting and capital structure. Open to students with a B.S. or B.A. economics major with a concentration in finance as well as students majoring in health sciences. Not open to students who are required to take COB 300. Prerequisites: Junior standing and COB 241.

FIN 302. Spreadsheet Skills in Finance. 1 credit. Offered fall and spring.
The purpose of this course is to offer experience with the spreadsheet applications in finance, including financial functions, statistical functions, reference functions, ActiveX, PivotTables and macros. Prerequisite: FIN 360. Open only to finance majors.

FIN/ECON 325. Money and Banking. 3 credits.
The purpose of this course is to examine the economic role of money, banking, and monetary policy within current institutional settings and under alternative theories explaining the interrelationships between monetary, the financial system and economic activity. Prerequisites: ECON 201 and GECON 200.

FIN/MATH 328. Time Series Analysis. 3 credits.
The purpose of this course is to examine regression and exponential smoothing methods for forecasting nonseasonal and seasonal time series, stochastic processes, and Box-Jenkins' autoregressive and moving average models. Prerequisites: MATH 238 and MATH 318.

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FIN 345. Finance for the Non-Financial Manager. 3 credits. Offered fall and spring.
The purpose of this course is to build a foundation of theoretical concepts and analytical techniques to aid management decisions on financial problems. Topics include: working capital and fixed asset management for profit expansion. Prerequisites: COB 244, junior standing (60 hours) and a cumulative 2.0 grade point average in all courses taken at JMU. Restricted to non-college business majors.

FIN 355. International Financial Management. 3 credits. Offered spring.
The purpose of this course is to provide a comprehensive examination of the investing and financing decisions of a multinational business entity. Particular emphasis is on global financial markets and instruments, exchange-rate risk management, short-term and long-term financing for multinational firms, and asset-liability management in an international environment. Prerequisite: COB 300B. Open to international business majors only.

FIN 360. Analytical Methods in Finance. 3 credits. Offered fall and spring.
The purpose of this course is to introduce the finance major to quantitative methods in finance as applied to financial instruments and capital markets. Emphasis is placed in the theoretical determination of asset prices, risk and return, as well as the estimation and analysis of asset prices. Prerequisite: FIN/MATH 405. Not permitted for quantitative finance majors.

FIN 362. Financial Analysis. 3 credits. Offered fall and spring.
The purpose of this course is to prepare the finance major to use and interpret economic and accounting information that is essential in financial analysis and valuation. Prerequisite: minimum grade of "C" in COB 300B.

FIN 365. Intermediate Financial Management. 3 credits. Offered fall and spring.
The purpose of this course is to provide an in-depth study of the theories of capital structure, long-term financing decisions, working capital management and current topics such as mergers and bankruptcy. Computer applications. Prerequisite: FIN 360. For quantitative finance majors only. Prerequisite: FIN 250.

FIN 370. Real Estate Finance. 3 credits.
The purpose of this course is to offer a comprehensive examination of the decision-making processes involved in purchasing and financing real assets. The focus is on the cost of funds and optimal financial structure of complex real estate projects. Prerequisite: FIN 300.

FIN 371. Principles of Investments. 3 credits. Offered fall and spring.
The purpose of this course is to provide an investor's view of the operation of the capital markets. This course covers the theories and practice of investments, including analysis of financial instruments and real assets and their effective combination into portfolios. Prerequisite: Minimum grade of "C" in FIN 360 or FIN 250.

FIN/ECON 372. International Finance and Payments. 3 credits. Offered fall and spring.
Examines international financial markets, instruments and institutions; determination of spot and forward exchange rates, interest arbitrage, hedging and speculation; and alternative policies for achieving equilibrium in international payments. Prerequisites: ECON 201 and GECON 200.

FIN 375. Madison Investment Fund Management. 3 credits.
The course is an accelerated introduction to the investment environment with a focus on fundamental analysis of stocks, overlay strategies to enhance portfolio performance and familiarization with the trading and pricing of the wide variety of instruments in the modern financial marketplace. The course is limited to members of the Madison Investment Fund. Prerequisite: FIN 371 and instructor permission with membership in the Madison Investment Fund.

FIN 378. Fixed Income Analysis. 3 credits. Offered fall and spring.
This course examines the market for and the price/yield determinants of various fixed income securities including Treasury debt, corporate bonds, agency debt, municipal bonds, mortgages and asset-backed securities. Topics include securitization, the term structure of interest rates and portfolio management strategies such as duration, convexity and immunization. Prerequisite: FIN 371.

FIN 380. Elemental and Derivative Securities Analysis. 3 credits. Offered fall and spring.
This course takes an in-depth examination of the broad array of financial instruments traded in contemporary financial markets, which are available for financing, investing and managing financial price risk. Prerequisite: Minimum grade of "B-" in FIN 380 or FIN 250.

FIN/MATH 395. Mathematical Finance. 3 credits. Offered spring.
This course presents an overview of the role of mathematical concepts in financial applications. Topics include continuous time finance, optimization, numerical analysis and applications in asset pricing. Prerequisites: MATH 237 and FIN 380.

FIN/MATH 405. Securities Pricing. 3 credits. Offered fall.
A quantitative treatment of the theory and method of financial securities pricing to include an examination of closed-form pricing models such as the Black-Scholes and its various derivatives as well as numerical solution techniques such as binomial methods. Prerequisite: FIN/MATH 395.

FIN 416. Seminar in Real Estate Investment and Development. 3 credits.
An investigation of the investment process in real assets with emphasis on investment profitability. The real estate investment cycle is examined in detail to determine the sources of cash flow to the equity investor and how those cash flows may be maximized. Prerequisite: FIN 370.

FIN 450. Financial Risk Management. 3 credits. Offered fall.
This course explores forward contracts, futures, swaps and options, which are the basic building blocks for creating financial risk management programs for companies subject to financial risks such as changes in exchange rates, commodity price fluctuations and changes in interest rates. Prerequisites: FIN 371 and a minimum grade of "B-" in FIN 380.

FIN 451. Risk Management II. 3 credits. Offered spring.
This course presents an intermediate treatment of the theory and applications of market, credit, liquidity and operational risk management. It builds upon concepts introduced in previous course work to present the theoretical constructs underlying risk management, as well as the quantitative skills required for risk analysis and the implementation of risk management techniques. Prerequisite: A minimum grade of "B-" in FIN 450.

FIN 455. Advanced International Financial Management. 3 credits.
The course will focus on the analysis of major international financial management issues and risk faced by businesses operating in global markets. The emphasis is on the management of foreign exchange transactions, operating and translation exposures by multinational corporations, the functions of various currency hedging instruments, and the application of international funding and investment techniques. Prerequisites: COB 300B and FIN 360.

FIN 460. Commercial Banking. 3 credits.
A study of the objectives, functions, policies, organizational practices and government regulation of commercial banks. An intensive study is undertaken of the asset and liability structure of commercial banks. Special emphasis is placed on how banks are adapting to the changes in their operating and regulatory environment. Prerequisite: FIN 360.

FIN/MATH 465. Seminar in Actuarial Science I. 3 credits.
The course covers the theory and application of contingency mathematics in the areas of life and health insurance, annuities and pensions and risk theory from both a probabilistic and deterministic approach. Together with FIN/MATH 466, this two-course sequence helps to prepare the student for the professional actuarial examinations. Prerequisites: FIN/MATH 385 or consent of instructor. Prerequisite or corequisite: MATH 426.

FIN 466. Seminar in Actuarial Science II. 3 credits.
A continuation of FIN/MATH 465 with additional coverage of contingency mathematics in the areas of life and health insurance, annuities, pensions and risk theory from both a probabilistic and deterministic approach. The two-course sequence helps to prepare the student for the professional actuarial examination. Prerequisite: FIN/MATH 465. Prerequisite or corequisite: MATH 427.

FIN 471. Advanced Topics in Investments. 3 credits. Offered spring.
This course covers the application of investment concepts within a case format. The course focuses on investment management, bringing together economics, capital markets and valuation to form a basis for decision making in financial asset selection, risk/reward analysis, portfolio selection and formation. Prerequisite: FIN 371.

FIN 475. Financial Modeling and Risk Analysis. 3 credits. Offered fall and spring.
This course introduces students to practical methods used to identify, quantify, predict, value, diversify and manage risk in the financial environment. Students use sensitivity analysis, Monte Carlo and Latin Hypercube simulations, bootstrapping, time series forecasting and dynamic optimization techniques as applied to capital budgeting and structure, portfolio finance statements, multivariate objective portfolio allocation, discounted cash flow analysis and real options. Prerequisites: FIN 385 and FIN 371.

FIN 480. Seminar in Financial Engineering. 3 credits. Offered spring.
Financing engineering is the process of adapting existing financial instruments and developing new ones to meet the needs of participants in domestic and international financial markets. This process is taught within a case and project format in order to simulate actual market participation as closely as possible. Prerequisite: FIN/MATH 405.

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FIN 488. Advanced Financial Policy. 3 credits. Offered fall and spring.
The purpose of this course is to examine the financing of business enterprises and the financial condition of existing firms using a case format. The objective of this examination is to elicit a policy decision which effectively addresses the issues identified in the case. Prerequisites: 12 hours of FIN courses, including FIN 360 and FIN 365. Completion of 165 hours. Open only to graduating finance majors.
FIN 490. Special Studies in Finance. 1-3 credits. Designed to give capable students in finance an opportunity to complete independent study under faculty supervision. Admission by recommendation of the instructor and permission of the director. Forms may be obtained in the department office before registration.
FIN 498. Special Topics in Finance. 3 credits. The purpose of this course is to provide an opportunity for students to explore areas of current topical interest or to exploit special situations. Course content will vary. For current course content, consult your adviser. Prerequisite: FIN 250 or FIN 360.
FIN 499. Honors. 6 credits. Offered fall and spring. Year course. See catalog section "Graduation with Honors."

Foreign Language Education

Department of Foreign Languages, Literatures and Cultures
FL 267. The Literature of Opera in Translation. 3 credits. Offered fall and spring.
A survey of the literature of opera from the 17th century to the present. All lectures and readings are in English.
FL 309. **Civilization: Travel-Study. 1-3 credits. Offering varies.
A directed program of travel-study designed to augment a student's knowledge of a particular civilization. Arrangements must be made with the faculty member designated by department head. Permission of the department head is required prior to enrollment in the program.
FL 446. **Special Topics in Foreign Literature. 3 credits. Offered fall or spring.
Study of a particular topic in literature. May be taught in English or in a foreign language but cannot be counted for major, minor or licensure unless taught in the language. Course may be repeated if content varies. Prerequisite: Permission of the instructor.
FL 470. Methods of Modern Foreign Language Teaching. 3 credits. Offered fall.
Research findings about language teaching will be used to identify the most effective instructional strategies for teaching languages to students in grades pre-K-12. Emphasis will be on developing plans for employing the strategies and making appropriate instructional decisions based on instructional goals, the learner, and available resources. Corequisites: FLED 471. Prerequisites: Full admission to teacher education program; GFSYC 160, EDUC 360 and TESL 426. Corequisite: FL 471.
FL 471. Modern Foreign Language Field Experience. 3 credits. Offered spring.
Provides practical classroom experience in elementary, middle and high school settings to middle and secondary foreign language students under the supervision of an in-service teacher and a clinical professor. Students engage in classroom activities that provide an opportunity for them to practice the strategies and concepts learned in the methods courses. Corequisites: FLED 470.
FL 475. Supervised Student Teaching Experience. 3 credits. Offered spring.
Participants will experience the full range of conditions and tasks expected of a teacher for students in grades 6-12. They will be expected to develop and demonstrate competencies in teaching with the supervision and support of experienced teachers. Students must register for two eight-week blocks during the same semester for a total of eight credits. Students will receive a grade of "S" for satisfactory performance or "U" for unsatisfactory performance. Prerequisite: All required courses for licensure and approval for student teaching through the teacher education program.

French

Department of Foreign Languages, Literatures and Cultures
FR 101. Elementary French I. 4 credits. Offered fall.
The fundamentals of French through listening, speaking, reading and writing. Practice in pronunciation and development of comprehension. Requires one hour of work a week in the language laboratory. If the student has had two or more years of the language in high school, he/she will not receive credit for the course.
FR 102. Elementary French II. 4 credits. Offered spring.
The fundamentals of French through listening, speaking, reading and writing. Practice in pronunciation and development of comprehension. One hour's work a week in the language laboratory. If the student has had two or more years of the language in high school, he/she will not receive credit for the course. Prerequisite: FR 101.
Reviews elementary French grammar, reading, writing, speaking and listening skills in French. One hour's work a week in the language laboratory. For students who have had no more than two or three years of French in high school or qualify through the placement exam. Prerequisite: Permission of the department head.
FR 111. Intensive French I. 6 credits. Offered May or June.
The fundamentals of French through intensive listening, speaking, reading and writing. The 4-week course is the equivalent of FR 101-102.
FR 212. Intensive French II. 6 credits. Offered May or June.
The fundamentals of French through intensive listening, speaking, reading and writing at the intermediate level. This four-week course is the equivalent of FR 231-232. Prerequisite: FR 102 or FR 111 or sufficient score on the Foreign Language Placement Exam.
FR 231. Intermediate French I. 3 credits. Offered fall and spring.
A thorough review of first year grammar and vocabulary building. Conversation, composition and reading will be chosen to reach competency at the lower intermediate level French. Prerequisite: FR 102 or sufficient score on the Foreign Language Placement Exam.

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A thorough review of grammar, vocabulary building, conversation, composition and reading at the advanced intermediate level. Prerequisite: FR 231 or sufficient score on the Foreign Language Placement Exam.

FR 266. French Literature in Translation. 3 credits. Offered fall and spring.
French literature, 1800 to the present. All lectures and readings are in English. Does not count toward a major, minor or licensure in French.

FR 300. French Grammar and Communication. 3 credits. Offered fall and spring.
Intensive training in grammatical structures and their application to oral and written communication. Instruction is in French. Fulfills the College of Arts and Letters writing-intensive requirement for the major. Prerequisite: FR 232 or equivalent.

FR 307. History of French Civilization. 3 credits. Offered fall.
A study of the social, economic, political and artistic development of France from the Middle Ages to 1900. Instruction is in French. Prerequisite: FR 300.

FR 308. Contemporary French Civilization. 3 credits. Offered spring.
A study of French life and culture with emphasis on France in the 20th century. Instruction is in French. Prerequisite: FR 300.

FR 315. French Phonetics. 3 credits. Offered fall and spring.
Intensive drill in French sounds and intonation patterns. Instruction is in French. Prerequisite: FR 300.

FR 320. French Oral and Written Communication. 3 credits. Offered fall and spring.
Intensive training in the use of modern, everyday French with emphasis on conversation and composition. Readings in French will provide a context for discussion and writing. Prerequisite: FR 300 or equivalent.

FR 330. Business French. 3 credits. Offered spring.
A study of commercial and technical vocabulary and trade customs in conjunction with practice in the art of commercial communication including interviews, letter writing and simultaneous interpretation. Instruction is in French. Required for majors. Prerequisite: FR 300.

FR 339. A Survey of French Literature. 3 credits. Offered fall or spring.
339A: A thorough analysis of selected passages from important authors of the Middle Ages and the Renaissance. Prerequisite: FR 320.
339B: A thorough analysis of selected passages from important authors of the 17th century. Prerequisite: FR 320.
339C: A thorough analysis of selected passages from important authors of the Age of Enlightenment. Instruction is in French. Prerequisite: FR 320.

FR 375. Business and Society in France. 3 credits. Offered fall or spring.
A study of the social, economic, political and artistic development of France from the Middle Ages to 1900. Instruction is in French. Prerequisite: FR 300.

FR 400. Advanced Conversation. 3 credits. Offered fall or spring.
Discussions deal with topics of current interest. Prerequisite: FR 320.

FR 405. Nineteenth-Century French Literature. 3 credits. Offered fall or spring.
405A: French literature of the first half of the 19th century with special emphasis on the works of Hugo, Lamartine, Vigny and Musset. Prerequisite: FR 320.
405B: French literature of the second half of the 19th century with special emphasis on the works of Balzac, Stendhal, Flaubert and Zola. Instruction is in French. Prerequisite: FR 320.

FR 420. Advanced Genre Studies. 3 credits. Offered fall or spring.
420A: A study of French theatre from the Middle Ages to the 20th century. Prerequisite: FR 320.
420B: A study of French poetry from the Middle Ages to the 20th century. Prerequisite: FR 320.
420C: A study of French narrative fiction from the Middle Ages to the 20th century. Instruction is in French. Prerequisite: FR 320.

FR 425. Twentieth-Century French Literature. 3 credits. Offered fall or spring.
425A: A study of the works of major French writers of the first half of the 20th century. Prerequisite: FR 320.
425B: A study of contemporary French novels written since 1950 with the emphasis on current fiction. Instruction is in French. Prerequisite: FR 320.