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## HUMAN SERVICE AGENCY ADMINISTRATION (HA)

See: Nonprofit Leadership Studies in the undergraduate  
School of Graduate and Professional Studies section of this catalog.

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## INTEGRATED HUMANITIES (HU)

*Professor* Timothy L. McDonald, Ph.D. (Division Chair)

**HU 2110 and HU 2120. Integrated  
Humanities I, II** (4)

*Fall (HU 2110); Spring semester (HU 2120)*

A level one interdisciplinary sequence focusing on significant epochs from Classical Greece to the Twentieth Century as expressed in the primary texts and works of the culture: artistic, historical, literary, and philosophical. An additional component provides the opportunity for students to attend co-curricular events and productions that are relevant to the course. Prerequisites: 1) Freshman standing with one of the following: a) a score of 24 or above on the ACT English test; b) completed writing proficiency or equivalent, or c) honors standing. 2) Sophomore standing or above.

(Enrollment in both semesters is necessary to satisfy ARI, HSI, and LTI core curriculum requirements.)

**HU 2210 and HU 2220. Honors Integrated  
Humanities I, II** (4)

*Fall (HU 2210); Spring semester (HU 2220)*

The Honors version of Integrated Humanities I and II includes HU 2210 and HU 2220. Additionally, the Honors version provides students the opportunity to discuss related readings in a biweekly seminar setting. Prerequisites: Honors standing. (Enrollment in both semesters is necessary to satisfy ARI, HSI, and LTI core curriculum requirements.)

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## JAPANESE (JA)

See: Modern Languages and Literature

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## JOURNALISM (JN)

(Department of Communication and Fine Arts)

*Associate Professor* Peter Bicak, Ph.D. (Chair)

*Assistant Professor* Sam Mwangi, Ph.D.

Journalism courses at Rockhurst University afford students the opportunity to acquire basic skills and a sound preparation for either direct entry into the field or further work at the graduate level. Professional journalists teach most courses. Students interested in a career in journalism may complete the minor in journalism through the courses listed below. A description of the International Journalism Program may be found under the Department of Modern Languages and Literature. One-semester part-time internships are available to give students introductory on-the-job experience. A writing sample that indicates college-level proficiency is required for acceptance into the journalism program.

## Minor Field of Concentration

The prerequisites for the minor in journalism are: AR 1400 Basic Photography or JN 3450, CT 2200 Mass Communication, and JN 2000.

Four upper-division courses must be selected from the following list: CT 4890 Seminar in Mass Media, JN 3000, JN 3030, JN 3050, JN 4170, or JN 4180.

A grade of C or better is required in each upper-division course of the minor. (A grade of C- will not satisfy the requirement.)

## Certificate in Journalism

This undergraduate certificate program provides students the opportunity for concentrated studies to enhance professional skills. Rockhurst University awards a certificate in Journalism to non-degree-seeking students who complete the equivalent of the minor in Journalism. The courses required for the certificate in Journalism are JN 3450 or AR 1400 Basic Photography; CT 2200 Mass Communication; JN 2000; and four upper-division courses selected from the following: CT 4890 Seminar in Mass Media, JN 3000, JN 3030, JN 4170, JN 4180. A grade of C or better is required for each upper-division course for the certificate. (A grade of C- will not satisfy the requirement.) The certificate in Journalism is not available to degree-seeking students seeking a minor in Journalism. Admission to the program requires a minimum of a high school diploma or equivalent. Students with previous college work should request that an official transcript be sent to the Office of Admission.

### JN 1030. Publications: Newspaper (1)

*Fall and Spring semester*

Practice in actual newspaper production. Includes writing of news stories, features and editorials; copy editing and rewriting, layout and preparation of camera-ready copy for press. Maximum credit hours possible: 6. Prerequisites: membership on college newspaper staff and department approval. (Activity course)

### JN 1040. Publications: Yearbook (1)

Practice in actual book publication includes copywriting, photography, layout and preparation of camera-ready material for the press. Maximum credit hours possible: 6. Prerequisites: membership on yearbook staff and advisor approval. (Activity course)

### JN 2000. Introduction to Journalism (3)

*Fall semester*

This course is required as a prerequisite for subsequent journalism courses. It provides a basic survey of the field and instruction in the fundamentals of journalistic writing, interviewing, and editing. Journalism ethics and libel law are included. Prerequisite: EN 1110/1120, or EN 1140, or EN 1150.

### JN 3000. Advanced Reporting (3)

Building upon the skills acquired in JN 2000, this course involves theory and practice in writing the longer news story and other types of journalistic writing. It includes interviewing, research, and in-depth coverage. Prerequisite: JN 2000.

### JN 3030. Feature Writing (3)

Study of the various forms of feature writing and practice in the same. Included are human interest, personal profiles, news features, as well as features in social, political, educational and urban affairs. Prerequisite: JN 2000.

### JN 3050. Editing and Design (3)

Theory and practice in editing copy, writing headlines and designing the layout of newspapers and magazines. Design theory and typography styles are included. Prerequisite: JN 2000.

### JN 3450 (AR 3450). Photojournalism (3)

This course explores the ability of photography to record news events, stories of human interest, and contemporary social issues. Photographic techniques with 35mm Black-and-White film and printing is introduced and reviewed. The analysis and criticism of images, the editing of photos and text, and the creation of narrative through the combination of word and image are primary areas explored. In addition, ethical and legal issues in photojournalism are introduced and examined. A 35mm, fully adjustable, single lens reflex (SLR) camera is required. Lab fee. Prerequisite: AR 1400 or JN 2000 or instructor approval.

### JN 4170 (CT 4170). Advertising Copywriting (3)

A course in the conception and execution of creative, effective advertising for newspapers, magazines, radio and television. Includes a general survey of the field of advertising. Case studies, prizewinning advertisements and field trips may be included. Prerequisite: CT 2200 Mass Communication or JN 2000 or MK 3000 Principles of Marketing.

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**JN 4180 (CT 4180). Broadcast Journalism** (3)  
A course in gathering, writing and producing news for radio and television. Included are skills in interviewing, editing news for broadcast and identifying news sources. Special problems unique to broadcast journalism are discussed. Prerequisites: CT 2200 and JN 2000.

**JN 4970. Journalism Internship** (2-3)  
Opportunities to work in magazine, newspaper, radio, television and World Wide Web site journalism. Prerequisites: Junior standing, a 3.0 GPA in the student's major, JN 2000, two upper-division journalism courses related to the specific internships, and internship faculty advisor approval.

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## LATIN (LT)

See: Modern Languages and Literature

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## MATHEMATICS (MT)

(Department of Mathematics, Computer Science and Physics)

*Professor* Merrill B. Goldberg, Ph.D.  
Robert F. Hegarty, Ph.D.  
John G. Koelzer, M.S.  
Anita Salem, M.A.

*Associate Professor* Keith Brandt, Ph.D.  
Daryl D. George, Ph.D.  
Paula A. Shorter, Ph.D. (Chair)

The mathematics program at Rockhurst University provides a set of courses ranging from theoretical to the applied to meet the professional and graduate school needs of mathematics majors. The mathematics program is also committed to providing relevant and practical mathematics courses to satisfy the University's proficiency requirement and to support coursework in other disciplines.

There are many career paths open to students graduating with a degree in mathematics. Some of the fields that students may choose upon graduation are: teaching and theoretical research in mathematics; scientific work; theoretical computer science work; business problem-solving through operations research; and management of risks through actuarial work.

### Major Field of Concentration

The major in mathematics requires the following specific courses: three semesters of calculus (MT 1800, MT 1810, MT 2800), a computing course (CS 1080 or CS 1110/1120), MT 3800 and MT 3810, and MT 4960 (a one-credit mathematics seminar). A student should normally complete all of these required courses (except for the seminar) before the junior year. Beyond these required courses, the student will take additional courses to total at least 19 upper-division hours of mathematics beyond the calculus sequence and 12 upper-division hours in a related area or areas. Included in the upper-division mathematics courses must be at least one theoretical course selected from MT 3600, MT 4350, MT 4900, MT 4920, or MT 4930. Students should consult with the faculty advisor in selecting courses. A grade of C or better is required in each upper-division course counted toward fulfillment of the major requirements. (A grade of C- will not satisfy this requirement.)

## Minor Field of Concentration

The student may choose between two tracks for a mathematics minor. Students majoring in physics complete, and can apply for, a mathematics minor under the applied mathematics track. A grade of C or better is required in each upper-division course counted toward fulfillment of the minor requirements. (A grade of C- will not satisfy this requirement.)

1. **Classical mathematics track:** The student must take MT 2800, MT 3800, MT 3810, and at least two additional 3000- or 4000-level three-credit-hour MT courses (one of which must be a theoretical course selected from MT 3600, MT 4350, MT 4900, MT 4920, or MT 4930).
2. **Applied mathematics track:** The student must take MT 2800, MT 3700, and MT 3810, plus MT 3530 or MT 3710, in addition to at least one more 3000- or 4000-level three-credit-hour MT course.

### MT 0100. Algebra (3)

*Fall and Spring semester*

Linear equations, systems of equations, graphs, polynomials, fractional expressions and equations, quadratic equations and functions, inequalities, exponents, powers and roots. Provides the background necessary for either MT 1030 or MT 1190. Recommended: two years of mathematics in grades 9-12 (including at least one year of algebra).

### MT 1030. Finite Mathematics (3)

*Fall and Spring semester*

A college-level math course based on a background in algebra presenting mathematical techniques to solve a variety of problems. Topics may include: linear equations and inequalities, including optimization through linear programming; mathematics of finance including compound interest; discrete probability based on counting methods, conditional probability; expected value and descriptive statistics. Recommended: at least three years of mathematics in grades 9-12 or MT 0100. (MTP)

### MT 1090. Calculus for Business (3)

An introductory calculus course primarily for the business student. Introduction to derivatives and integrals with emphasis on such business applications as demand functions, cost curves, elasticity of demand and economic order quantity. NOTE: MT 1090 does not prepare a student to continue with additional calculus; students wishing a deeper study of calculus should pursue the regular calculus sequence beginning with MT 1800. Prerequisite: MT 1030 or instructor approval. (MTP)

### MT 1140. Mathematics for Elementary School Teachers (3)

*Spring semester*

A study of mathematics topics the elementary school teacher is likely to teach, with an emphasis on the problem-solving approach. Topics include structure of the real number system, sets and relations, number theory, operations involving rational and irrational numbers, introductory geometry, concepts of measurement and the metric system. Restricted to Elementary Education majors. Recommended: MT 0100 or HS equivalent.

### MT 1190. Precalculus (3)

*Fall and Spring semester*

Mathematical topics preparing students to study calculus. These topics include the study of functions in a variety of representations, including tabulated data, graphs and formulas; characteristic features of a variety of function types (including linear, power, polynomial, exponential, logarithmic, trigonometric); and the course may include mathematical modeling from data and from theoretical assumptions. Recommended: two years of high school algebra or MT 0100. (MTP)

### MT 1510. Discrete Structures (4)

*Spring semester*

The major topics of study include functions, relations, sets, propositional and predicate logic, proof techniques, elementary combinatorics and discrete probability concepts. Prerequisite: MT 1190. (MTP)

**MT 1800. Calculus I** (4)

*Fall and Spring semester*

The derivative, curve sketching, maxima and minima, velocity and acceleration, trigonometric and exponential functions, integration, inverse functions and logarithms. Recommended: ACT Math score of 25 or higher or a grade of C or better in either MT 1190 or MT 1510. (MTP)

**MT 1810. Calculus II** (4)

*Fall and Spring semester*

The integral, applications of the integral (including area, volume, center of mass, continuous probability), techniques of integration, first-order differential equations, sequences and series. Prerequisite: A grade of C or better in MT 1800. (MTP)

**MT 2420. Actuarial Science Practicum I** (1)

This course is aimed at students who are interested in pursuing a career in actuarial science. It is designed to give them experience and practice with the types of problems encountered on the first examination in the series of Society of Actuaries exams. Prerequisites: MT 2800 and MT 3400.

**MT 2430. Actuarial Science Practicum II** (1)

This course is designed to give students experience and practice with the types of problems encountered on the second examination in the series of Society of Actuaries exams. Prerequisites: MT 3400 and MT 3410.

**MT 2800. Calculus III** (4)

*Fall semester*

Improper integrals, analytic geometry, polar coordinates, functions of several variables, higher partial derivatives, vector operations and multiple integrals. Prerequisite: A grade of C or better in MT 1810. (MTP)

**MT 3400. Probability and Statistics I** (3)

*Fall semester of even-numbered calendar year*

Basic probability theory, counting techniques, discrete random variables and probability distributions, probability distribution functions, cumulative distribution functions, expected value, conditional probability and independence, Tchebysheff's theorem, statistical inference, confidence intervals, hypothesis testing, regression analysis and applications in physical and social sciences. Prerequisite: A grade of C or better in MT 1810.



- MT 3410. Probability and Statistics II** (3)  
*Spring semester of odd-numbered calendar year*  
Continuous random variables and probability distributions, probability density functions, cumulative distribution functions, central limit theorem, moment-generating functions, functions of random variables, sampling distributions, statistical inference, confidence intervals, hypothesis testing, regression analysis and applications in physical and social sciences. Prerequisite: A grade of C or better in MT 3400.
- MT 3530 (CS 3530). Numerical Methods** (3)  
*Spring semester of even-numbered calendar year*  
Numerical solutions to algebraic and differential equations; numerical integration; interpolating polynomials and regression analysis; simultaneous equations and solutions to partial differential equations. Prerequisites: A grade of C or better in MT 1810.
- MT 3600. Modern Geometry** (3)  
*Spring semester of odd-numbered calendar year*  
The study of many different geometries rather than a single geometry. Topics include: axioms for Euclidean geometry, finite geometries, geometric transformations, convexity and non-Euclidean geometry. Prerequisite: A grade of C or better in MT 3800.
- MT 3700. Differential Equations** (3)  
*Spring semester*  
A dynamical systems approach to the study of solutions to differential equations. Some analytical solution techniques are covered, but emphasis is placed on qualitative, geometric and numerical techniques of finding solutions. Modeling is incorporated throughout the course. Prerequisite: A grade of C or better in MT 1810.
- MT 3710. Applied Analysis** (3)  
*Spring semester of odd-numbered calendar year*  
Determinants and matrices, introduction to functions of a complex variable, Fourier series and integrals, vector analysis, introduction to partial differential equations with applications and calculus of variations. Prerequisite: A grade of C or better in MT 3700 or instructor approval.
- MT 3800. Introduction to Abstract Mathematics** (3)  
*Spring semester*  
A basic introduction emphasizing the development and presentation of sound mathematical arguments. Topics include logic, sets, relations, functions, and proof techniques. Little formal mathematics is needed, but intensive logical thought and an interest in the goal of the course are essential. Prerequisite: A grade of C or better in MT 1810 or instructor approval.
- MT 3810. Linear Algebra** (3)  
*Fall semester*  
Vector spaces, linear transformations, matrices, linear systems, determinants, eigenvalues and eigenvectors. Prerequisite: A grade of C or better in either MT 1810 or MT 1510.
- MT 4350. Introduction to Topology** (3)  
Topology of Euclidean spaces and metric spaces; general topological spaces. Continuous mappings and Homeomorphisms. Separation axioms, connectedness and compactness. Prerequisite: A grade of C or better in MT 3800.
- MT 4900. Abstract Algebra** (3)  
*Fall semester of even-numbered calendar year*  
Set theory, relations, rings, integral domains, groups, fields, polynomials, unique factorization domains and vector spaces. Prerequisites: A grade of C or better in both MT 3800 and MT 3810.
- MT 4920. Real Analysis** (3)  
*Spring semester of even-numbered calendar year*  
Set theory, real number system, Euclidean and metric spaces. Real functions, continuity, differentiation, integration and sequences of functions. Prerequisites: A grade of C or better in both MT 2800 and MT 3800.
- MT 4930. Complex Analysis** (3)  
The algebra of complex numbers. Analytic functions, integration, complex series, conformal mapping, boundary value problems and integral transforms. Prerequisites: A grade of C or better in both MT 2800 and MT 3800.
- MT 4960 (PH 4960). Mathematics Seminar** (1)  
*Spring semester*  
Presentations by Junior and Senior students on mathematical topics. Students learn presentation techniques through oral and written reports, poster presentations, and web page creation.

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# DEPARTMENT OF MODERN LANGUAGES AND LITERATURE

<i>Professor</i>	M. Kathleen Madigan, Ph.D. (Chair)
<i>Assistant Professor</i>	Rocío Duncan, M.A.
<i>Visiting Instructor</i>	D. Scott Hendrickson, S.J., M.A.

The ability to communicate in more than one language, both orally and in writing, is clearly the mark of a liberally educated person. The adoption of new patterns of thought and the discovery of sensitivities and perspectives different from our own enrich our understanding of the world and of the diversity of human experience. As global consciousness increases in all areas of academic study and professional occupations, the knowledge of more than one language is not only desirable but frequently essential. Such knowledge permits us to discern diverse cultural dynamics, form enlightened opinions about international issues, and better serve those of other linguistic and cultural backgrounds.

The language curriculum offers students the flexibility to consider a variety of purposes and careers. Building upon introductory instruction in grammar and oral proficiencies, the language major provides electives and immersion modules in culture, literature and professional areas to enrich the student's range of experience and increase fluency. In most cases, a foreign language is a prerequisite to graduate study. The demand for language teachers at the elementary and secondary levels is high, and students should know that their chances of obtaining an attractive teaching position increase if they are proficient in two languages other than their own. While knowledge of a foreign language does not by itself guarantee a career in other areas such as business, banking, law, or foreign service, it is clearly an asset when combined with another form of professional expertise. Given two candidates with similar professional preparation, the employer is most likely to hire the college graduate who shows evidence of effective communication skills and broad educational background. And language students are known to be well informed and articulate. In fact, surveys show that students who study a foreign language score consistently higher on the verbal proficiency sectors of standard tests like the ACT, SAT, GRE, and LSAT.

At Rockhurst, the aim of the language curriculum is twofold and in keeping with the mission of our Jesuit, liberal arts university. While it means to broaden the student's appreciation of the unity of knowledge and to challenge their critical ability, it is also designed to build bridges connecting language with other career-related disciplines in order to facilitate the transition into the work place.

Developing written and oral fluency from a literary and cultural context is essential at the undergraduate level. Therefore, the curriculum incorporates several opportunities for students to practice skills beyond the classroom. Study abroad is strongly encouraged. Rockhurst sponsors study in France, Germany, Mexico and Spain and is forging new study abroad programs as well. Other opportunities in the way of teaching exchanges between France and the U.S. are offered in order to give our students the immersion experiences which they need to succeed and serve in today's "global village."

**Modern Language courses and requirements for the majors and minors follow this page.**

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## International Journalism Program

The International Journalism Program is an interdisciplinary program that combines a major in either French or Spanish with a minor in Journalism. Another minor in a second language (French, German or Spanish) is recommended if the student enters language courses at the advanced level (3100 or higher) in the freshman year. Six credits in language, literature, culture, communication or journalism courses taken abroad in the target language are required for non-native speakers. Non-native speakers of English are required to complete a minor in English (if they are native speakers of Spanish or French).

The International Journalism Program prepares the student not only for a challenging and exciting career track but also for global citizenship: language studies cultivate cultural sensitivity in the student, and journalism studies train one to communicate with those of diverse backgrounds on a variety of issues.

### Courses

In the modern language, courses will be taken as listed for the “Major Field of Concentration” on the following pages. The Senior Capstone must include an oral presentation as well as a written component. Topics such as how journalism is practiced in other countries as well as the rights of American journalists in other countries may be investigated. In general, ethical and legal aspects of the profession are covered in all journalism courses taught at Rockhurst University, but some aspects of these concerns as they apply to specific settings may be researched for the presentation. The oral component of the senior capstone for the language major must be presented in the target language (French or Spanish).

Prerequisites for studies in journalism are AR 1400 Basic Photography or JN 3450 Photojournalism, CT 2200 Mass Communication and JN 2000 Introduction to Journalism. For the journalism program, four upper-division courses must be selected from the following: CT 4890 Seminar in Mass Media, JN 3000 Advanced Reporting, JN 3030 Feature Writing, JN 3050 Editing and Design, JN 4170 Advertising Copywriting, or JN 4180 Broadcast Journalism. Prior to entering the journalism program, the student must submit a writing sample to the journalism program director. If the sample does not reflect college-level proficiency, the student should not enter the program until mastery is achieved.

Exceptional students may be recommended for internships, which will give the student experience in journalism in a work setting; possibilities for gaining experience include settings such as TV news bureaus in Paris, bilingual regional newspapers or radio stations. Senior Capstone presentations may be based on the internship experience.

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## FRENCH (FR)

### Major Field of Concentration

The major in French is based on the prior completion of 14 hours of proficiency-level preparation numbered FR 1100-FR 1150 and FR 2100-FR 2150, or the equivalent. Equivalent preparation can be completed in high school, junior college or other colleges or universities, or waived through ACCP and AP credits, satisfactory CLEP scores, or a department placement test.

The major concentration in French consists of a minimum of 21 upper-division semester hours of course work. In addition, 12 hours of related course work are required. A grade of C or better is required in each upper-division course of the major. (A grade of C- will not satisfy the requirement.)

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The student must complete FR 3100; FR 3150; FR 3700 or FR 4200 or FR 4250; and FR 4940; and nine hours of coursework from the following electives: FR 3200, FR 3400, FR 3500, FR 3700, FR 3800, FR 3850, FR 3870, FR 3890, FR 4200, FR 4250, FR 4300, FR 4350, FR 4800, and FR 4970. The nine hours of coursework are selected in consultation with the major advisor in accord with the career goals of the student.

### Minor Field of Concentration

Requirements for the minor consist of 12 upper-division hours of course work in French after completing FR 2100 and FR 2150. A grade of C or better is required in each upper-division course of the minor. (A grade of C- will not satisfy the requirement.)

*A bilingual emphasis is available for the Communication Sciences and Disorders major. Please see description on the Communication Sciences and Disorders catalog pages.*

**Note: Courses designated as LTI and LTII satisfy the literary mode of inquiry of the liberal core curriculum.**

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| <b>FR 1000. Beginning Conversational French I</b> (3)<br>An introductory course using a conversational approach. The overall objective is to promote understanding and appreciation for the foreign language by being able to communicate on a basic level in the foreign language. Culture capsules are added when appropriate.   | <b>FR 2100. Intermediate French I</b> (3)<br><i>Fall semester</i><br>The course strengthens the student's grasp of grammar, and builds vocabulary to allow handling of more complex and idiomatic language. Cultural readings in French are included. Prerequisite: FR 1150 or equivalent.  |
| <b>FR 1010. Beginning Conversational French II</b> (3)<br>A continuation of FR 1000. The overall emphasis in the course is on further development of oral skills. Prerequisite: FR 1000 or equivalent.   | <b>FR 2150. Intermediate French II</b> (3)<br><i>Spring semester</i><br>Continuation of French 2100 with more of a focus on historical and/or cultural readings and materials. Prerequisite: FR 2100 or approval of instructor.   |
| <b>FR 1100. Fundamentals of French I</b> (4)<br><i>Fall semester</i><br>A basic course designed to develop the skills students need for oral and written communication. Complementary video and computer-assisted instruction to introduce students to broader aspects of French culture and develop oral fluency. Class four hours, assigned laboratory work one hour a week. | <b>FR 2800. Introduction to the Comedies of Molière</b> (1)<br>A course designed as a survey for a general audience of some of the major works of Molière. Background information on French writing and the culture of Molière's time is considered as well as interpretation and analysis of the work in translation. Creative exercises and scenes from the plays are presented. Prerequisite: FR 2150 or approval of instructor. |
| <b>FR 1150. Fundamentals of French II</b> (4)<br><i>Spring semester</i><br>A continuation of FR 1100. Students further develop oral proficiency, reading and writing skills. Class four hours, assigned laboratory work one hour a week. Prerequisite: FR 1100 or approval of instructor.  | <b>FR 3100. Advanced Composition and Conversation I</b> (3)<br><i>Fall semester</i><br>This course is a study of advanced French grammar construction, various styles of composition and speaking. Readings are included with each unit. Prerequisite: FR 2150.   |
| <b>FR 2050. Conversation and Composition I</b> (3)<br>Conversational practice and short themes with continuing emphasis on grammar, vocabulary and usage. Culture capsules are included when appropriate. Prerequisite: FR 1150 or approval of instructor.   | <b>FR 3150. Advanced Composition and Conversation II</b> (3)<br><i>Spring semester</i><br>Continuation of FR 3100. Brief literature selections are included. This course prepares the student for the Introduction to French Literature (FR 3700) course. Prerequisite: FR 3100 or approval of instructor.  |
| <b>FR 2060. Conversation and Composition II</b> (3)<br>Continuation of FR 2050. Prerequisite: FR 2050 or approval of instructor.   |   |

- FR 3200. French for the Professional** (3)  
This course introduces the student to the language of various branches of business (management, marketing, banking). New terminology is stressed as well as the command of grammar and structures needed for composition. Attention is given to writing application letters, résumés, short reports and various types of business letters. Prerequisite: FR 2150 or approval of instructor.
- FR 3400. Introduction to French Civilization and Culture** (3)  
A survey of modern France focusing on such topics as geography, monuments, transportation, education, government, industry and everyday life. Topics may vary. Prerequisite: FR 2150 or approval of instructor.
- FR 3500. Introduction to French Film** (3)  
An introduction to concepts of French film, the development of film in France and film in the life of the French, with close study of selected films and creative writing in French. Prerequisite: FR 2150 or approval of instructor.
- FR 3700. Introduction to French Literature** (3)  
This course is designed to give the student a broad scope of French literature as well as a historical context to facilitate comprehension. Students are given an introduction to movements, genres and styles and begin to address the critical study of literature. Texts are discussed and analyzed in French. Prerequisite: FR 3150 or approval of instructor. (LTI)
- FR 3800. Conversational Fluency** (3)  
A course designed for students who wish to practice oral communication skills. Discussions include contemporary topics, concerns researched by students and reader/viewer responses to texts and movies. Prerequisite: FR 3150 or approval of instructor.
- FR 3850. Francophone Cultures** (3)  
A survey of cultural aspects of francophone regions in the Caribbean, Europe, Canada, Africa, etc., with a focus on Haiti, Martinique and Québec. Cultural aspects include art, music and religion, with background information on history and politics. Similarities but also differences between these regions and France are discussed. Prerequisite: FR 3150 or approval of instructor.
- FR 3870. French Writers and Religion** (3)  
Study of selected readings whose major topics and themes are related to religion. While at least half of the readings to be considered will be associated with Catholicism, diverse traditions and perspectives may also be represented, particularly when selections are made from contemporary works. *(Also offered in Paris on demand.)* Prerequisite: FR 3150 or approval of instructor.
- FR 3890. French Women and Literature** (3)  
A survey of the French writings of representative major women authors from the twelfth century through the present day. Awareness of the tradition of writings in French by women and their literary accomplishments is gained and common themes and concerns are considered. Prerequisite: FR 3150 or approval of instructor. (LTII)
- FR 4200. Survey of French Literature I** (3)  
A survey of literature from the 12th through the 17th century. Sustained discussion of the works studied in French. Prerequisite: FR 3150 or approval of instructor. (LTII)
- FR 4250 Survey of French Literature II** (3)  
A survey of French literature from the 18th century through the present day. Prerequisite: FR 3150 or approval of instructor. (LTII)
- FR 4300. Nineteenth Century French Novel** (3)  
Study of the novels of major 19th century authors such as Balzac, Flaubert, Stendhal and Zola with oral and written response in French. Continued attention to language skills. Some film versions in video of the novels studied may be viewed. Prerequisite: FR 3150 or approval of instructor. (LTII)
- FR 4350. Contemporary French Novel** (3)  
Study of the novels of major 20th century authors such as Mauriac, Bernanos, Malraux, St. Exupéry, Camus, Sartre, Duras and Sarraute. Selections may vary. Discussion and creative writing in French as well as presentations of parts of the novels. Some film versions in video of the novels studied may be viewed. Prerequisite: FR 3150 or approval of instructor. (LTII)
- FR 4800. Contemporary French Theater** (3)  
Study of the plays of major 20th century authors such as Claudel, Cocteau, Giraudoux, Sartre, Camus, Anouilh, Genet, Jarry, Artaud, Beckett and Ionesco. Selections may vary. Discussion and creative writing in French as well as presentations of parts of the plays. Some film versions in video of the plays studied may be viewed. Prerequisite: FR 3150 or approval of instructor. (LTII)
- FR 4940. Senior Capstone** (3)  
Independent or collaborative research into major focus area; written/oral/artistic/presentations required to demonstrate mastery of major area of study and good level of language proficiency. Required to fulfill major.
- FR 4970. Paris Internship** (3)  
Opportunities for students to apply their education by working in career fields related to French. Prerequisite: Approval of instructor.

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# GERMAN (GR)

## Minor Field of Concentration

Requirements for the minor consist of 12 upper-division hours of course work after completing GR 2100 and GR 2150. A grade of C or better is required in each upper-division course of the minor. (A grade of C- will not satisfy the requirement.)

- GR 1000. Beginning Conversational German I** (3)  
An introductory course using a conversational approach. The overall objective is to promote understanding and appreciation for the foreign language by being able to communicate on a basic level in the foreign language. Culture capsules are added as appropriate. Lecture three hours per week.
- GR 1010. Beginning Conversational German II** (3)  
A continuation of GR 1000. Prerequisite: GR 1000 or equivalent.
- GR 1100. Fundamentals of German I** (4)  
*Fall semester*  
A basic course covering all aspects of German necessary for communication: usage, vocabulary and spelling. Intensive practice in comprehension, speaking and reading. Laboratory assignments in addition to four hours of class.
- GR 1150. Fundamentals of German II** (4)  
*Spring semester*  
A continuation of GR 1100. Prerequisite: GR 1100 or approval of instructor.
- GR 2100. Intermediate German I** (3)  
*Fall semester*  
Continued study of German language and culture requiring an increased command of vocabulary, grammar and sentence structure. Prerequisite: GR 1150 or approval of instructor.
- GR 2150. Intermediate German II** (3)  
*Spring semester*  
A continuation of GR 2100. Prerequisite: GR 2100 or approval of instructor.
- GR 3100. Advanced Composition and Conversation I** (3)  
*Fall semester*  
This course is a study of advanced German grammar construction, various styles of composition and speaking. Prerequisite: GR 2150 or approval of instructor.
- GR 3150. Advanced Composition and Conversation II** (3)  
*Spring semester*  
This course is a continuation of GR 3100. Prerequisite: GR 3100 or approval of instructor.
- GR 3200. Business German** (3)  
A course dealing with the German technical language needed in business, finance and economics. This course helps prepare the student for a business German certificate. Prerequisite: GR 2100 or approval of instructor.
- GR 3480. Intercultural Communications** (3)  
The course examines differences and variations in German verbal and written communication patterns, using text and video materials. It stresses social and business settings in German speaking countries. The course is conducted in German. Prerequisite: GR 2100 or approval of instructor.
- GR 3490. German Philosophers of Science** (3)  
The course focuses on a prominent German scientist and gives the student the opportunity to read scientific material, social commentary and biographical material in German. Course is conducted in German. Prerequisite: GR 2100 or approval of instructor.
- GR 3510. German Film and Culture** (3)  
Exploration of the culture of the German-speaking world through film. Breadth in understanding will be gained through analysis of the films, sustained discussion in German and research. Prerequisite: GR 2150 or approval of instructor.
- GR 3700. Introduction to German Literature** (3)  
Students study the evolution of literary movements and learn basic analytical principles of textual analysis across the genres of drama, short fiction, the essay and poetry. Prerequisite: GR 3150 or approval of instructor. (LTI)
- GR 3800. Conversational Fluency** (3)  
A course designed for students whose primary needs are verbal communication. The focus is on daily life, situations with complications and general survival skills. Recommended for students planning to study abroad, and those who plan to take a German proficiency test. Prerequisite: GR 3150 or approval of instructor.
- GR 3850. Introduction to German Poetry** (3)  
This survey course introduces students to some works of major poets of the German language (e.g. Goethe, Schiller, Rilke, Jandl). It begins with the Romantics and ends with contemporary writers. Prerequisite: GR 3150 or approval of instructor.

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## JAPANESE (JA)

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| <p><b>JA 1100. Introduction to Japanese I</b> (4)<br/>Integrates a study of basic Japanese with its culture using a conversational approach. Vocabulary and grammatical structures needed for basic communication is emphasized. Practice is given in a variety of everyday situations.</p> <p><b>JA 1150. Introduction to Japanese II</b> (4)<br/>A continuation of JA 1100. Prerequisite: JA 1100 or approval of instructor.</p> | <p><b>JA 2100. Intermediate Japanese I</b> (3)<br/>A course designed to develop speaking, listening, writing and reading skills needed to perform everyday tasks such as asking for and giving directions, descriptions, eliciting and providing information. Prerequisite: JA 1150 or approval of instructor.</p> <p><b>JA 2150. Intermediate Japanese II</b> (3)<br/>A continuation of JA 2100. Prerequisite: JA 2100 or approval of instructor.</p> |
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## LATIN (LT)

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| <p><b>LT 1100. Introduction to Latin I</b> (4)<br/>Integrates a study of basic Latin with its culture. A variety of methods are used to develop competence in vocabulary, sound patterns, forms, structure and elementary texts. A perceptive approach to language in general is gained by seeing English in relationship to Latin and how its linguistic root system is applicable.</p> <p><b>LT 1150. Introduction to Latin II</b> (4)<br/>Continuation of LT 1100 with selected reading. Prerequisite: LT 1100 or approval of instructor.</p> | <p><b>LT 2100. Intermediate Latin I</b> (3)<br/>A systematic review and expansion of Latin grammar with increased knowledge of history and culture through study of Latin narrative from major prose works. Prerequisite: LT 1150 or approval of instructor.</p> <p><b>LT 2150. Intermediate Latin II</b> (3)<br/>Development of reading skills, cultural awareness and linguistic base. Selections from the writings of a major poet are included. Prerequisite: LT 2100 or approval of instructor.</p> |
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## SPANISH (SP)

### Major Field of Concentration

The major in Spanish is based on the prior completion of 14 hours of proficiency-level preparation numbered SP 1100-SP 1150 and SP 2100-2150, or the equivalent. Equivalent proficiency preparation can be completed in high school, junior college or other colleges or universities, or waived through ACCP and AP credits, satisfactory CLEP scores, or a department test.

The major concentration in Spanish consists of a minimum of 21 upper-division semester hours of work. In addition, 12 hours of related courses are required. A grade of C or better is required in each upper-division course of the major. (A grade of C- will not satisfy the requirement.)

The student must complete SP 3100; SP 3150; SP 3700 or SP 4200 or SP 4250 or SP 4300 or SP 4350; and SP 4940 and nine hours of additional coursework from the following electives: SP 3070, SP 3200, SP 3400, SP 3420, SP 3470, SP 3700, SP 3800, SP 4060, SP 4200, SP 4250, SP 4300, SP 4350, SP 4360, SP 4370, SP 4380, SP 4400, SP 4550, SP 4660, SP 4665, SP 4700 or SP 4800. The nine hours of additional coursework are selected in consultation with the major advisor in accord with the career goals of the student.

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## Minor Field of Concentration

Requirements for the minor consist of 12 upper-division hours of course work in the target language after completing SP 2100 and SP 2150. A grade of C or better is required in each upper-division course of the minor. (A grade of C- will not satisfy the requirement.)

***A bilingual emphasis is available for the Communication Sciences and Disorders major. Please see description on the Communication Sciences and Disorders catalog pages.***

**Note:** Courses designated as LTI and LTII satisfy the literary mode of inquiry of the liberal core curriculum.

- SP 1000. Beginning Conversational Spanish I (3)**  
An introductory course using a conversational approach. The overall objective is to promote understanding and appreciation for the foreign language by being able to communicate on a basic level in the foreign language. Culture capsules are added when appropriate.
- SP 1010. Beginning Conversational Spanish II (3)**  
Continuation of SP 1000. The overall emphasis in the course is on further development of oral skills. Prerequisite: SP 1000 or approval of instructor.
- SP 1100. Fundamentals of Spanish I (4)**  
A basic course covering all aspects of Spanish necessary for communication: vocabulary, grammar, structure and spelling. Extensive practice using Spanish. Class four hours, assigned laboratory work, one hour a week.
- SP 1150. Fundamentals of Spanish II (4)**  
A continuation of SP 1100. Students further develop oral proficiency, reading, and writing skills. Class four hours, one hour assigned laboratory work. Prerequisite: SP 1100 or approval of instructor.
- SP 2050. Conversation and Composition I (3)**  
Conversational practice and short themes with continuing emphasis on grammar, vocabulary and usage. May be taken concurrently with SP 2100 and SP 2150. Prerequisite: SP 1150 or approval of instructor.
- SP 2060. Conversation and Composition II (3)**  
Continuation of SP 2050. Conversational practice and short themes with continuing emphasis on grammar, vocabulary and usage. May be taken concurrently with SP 2100 and SP 2150. Prerequisite: SP 2050 or approval of instructor.
- SP 2070. Medical Spanish I (3)**  
This course introduces the student to the technical language of medicine: anatomy, illness, treatment. It also prepares the student to conduct consultations and conversations in the Latino cultural context. Prerequisite: SP 1150 or approval of instructor.
- SP 2100. Intermediate Spanish I (3)**  
*Fall semester*  
Intended to increase ability to comprehend and speak Spanish as well as introduce the student to literature. Prerequisite: SP 1150 or approval of instructor.
- SP 2150. Intermediate Spanish II (3)**  
*Spring semester*  
Intended to increase ability to comprehend and speak Spanish as well as introduce the student to literature. Prerequisite: SP 2100 or approval of instructor.
- SP 3070. Medical Spanish II (3)**  
Continuation of SP 2070. This course introduces the student to the technical language of medicine: anatomy, illness, and treatment. It also prepares the student to conduct consultation and conversations in the Latino cultural context. Prerequisite: SP 2150 or approval of instructor.
- SP 3100. Advanced Conversation and Composition I (3)**  
*Fall semester*  
This course is a study of advanced Spanish grammar construction, various styles of composition and speaking. Readings are included with each unit. Prerequisite: SP 2150 or approval of instructor.
- SP 3150. Advanced Conversation and Composition II (3)**  
This course is a continuation of SP 3100. Brief literature selections are included. This course prepares the student for Introduction to Hispanic Literature (SP 3700). Prerequisite: SP 3100 or approval of instructor.
- SP 3200. Commercial Spanish (3)**  
Practical exercises in business communication for international trade. New terminology as well as composition skills are stressed. Prerequisite: SP 2150 or approval of instructor.
- SP 3400. Introduction to Latin American Culture (3)**  
An introduction to the economic, social and political background of Spanish America. The readings include contemporary fiction and non-fiction with the main emphasis on recent essays by leading authorities on the above topics. Prerequisite: SP 3150 or approval of instructor.
- SP 3420. Spanish Mystics (3)**  
Readings of selections from some of the major works of writers considered to be the "mystics" of Spain, such as Santa Teresa, San Juan de la Cruz, and Luis de León, with excursions to the places where these writers lived and worked. Prerequisite: SP 3150 or approval of instructor. (*Offered on demand in Spain.*)

- SP 3470. Introduction to Spanish Culture** (3)  
An introduction to Spanish culture and civilization, integrating the history, art, film, and literature of continental Spain from prehistoric times through the present day. Prerequisite: SP 3150 or approval of instructor.
- SP 3700. Introduction to Hispanic Literature** (3)  
This course provides students with an introduction to the diversity of literary expression in Spain, Spanish America, and the United States. Students study the evolution of literary movements and learn basic analytical principles for textual analysis across the genres of drama, short fiction, the essay and poetry. Prerequisite: SP 3150 or approval of instructor. (LTI)
- SP 3800. Conversational Fluency** (3)  
This course is designed for students wishing to practice oral communication skills. Discussions include contemporary topics, concerns researched by students, and reader/viewer responses to tests and movies. Prerequisite: SP 3150 or approval of instructor.
- SP 4060/6070. Spanish for the Health Care Professional** (3)  
The purpose of this course is to provide students with the ability to overcome cross-cultural barriers in a medical setting and to communicate effectively with speakers of Spanish. Background information on Hispanic cultures (e.g. customs, conceptions of the role of health care providers and courtesy) as well as some medical terminology will be provided. Issues raised by the differences in conceptions of the role of doctors, medicine and health care will be addressed. The graduate course SP 6070 requires independent accelerated additional work appropriate for master's level study. Prerequisite: SP 3100 or approval of the instructor.
- SP 4200. Survey of Latin-American Literature I** (3)  
A general survey of literature from the pre-Colombian period through the beginning of Modernism. Students study the evolution of literary movements and learn basic analytical principles for textual analysis across the genres of novel, drama, short fiction, essay, and poetry. Prerequisite: SP 3150 or approval of instructor. (LTII)
- SP 4250. Survey of Latin-American Literature II** (3)  
A general survey of Latin-American literature from the beginning of Modernism through the present day. Students study the evolution of literary movements and learn basic analytical principles for textual analysis across the genres of novel, drama, short fiction, essay, and poetry. Prerequisite: SP 3150 or approval of instructor. (LTII)
- SP 4300. Survey of Spanish Literature I** (3)  
A general survey of Spanish literature from the 12th through the 17th century. Students study the evolution of literary movements and learn basic analytical principles for textual analysis. The readings include major Spanish works of the different literary genres of epic poetry, romances, novel, and drama, such as *El Cid*, *La Celestina*, *Lazarillo de Tormes*, *La vida es sueño*, and *Fuenteovejuna*. Prerequisite: SP 3150 or approval of instructor. (LTII)
- SP 4350. Survey of Spanish Literature II** (3)  
A general survey of Spanish literature from the 18th century through the present day. Students study the evolution of literary movements and learn basic analytical principles for textual analysis across the genres. The readings include major Spanish works by writers representative of the different literary periods, such as The Enlightenment, Romanticism, and Modernism, with emphasis upon the *Generación del 98* and the *Generación del 27*. Prerequisite: SP 3150 or approval of instructor. (LTII)
- SP 4360. Latin American and U.S. Latina Women's Literature** (3)  
This course examines works by Latin American and U.S. Latina women writers, viewing the aggregate as well as the individual positions taken, the artistic and the political dimensions of the writing, the bonds the writers share, and in some cases the great differences between them. Prerequisite: SP 3150 or approval of instructor. (LTII)
- SP 4370. U.S. Latino Literature** (3)  
This course covers the history and literature of U.S. Latino literature since 1848. Through literary analysis the student examines the artistic and the political dimensions of texts, focusing particularly on the inscription of individual, cultural and national identity. Prerequisite: SP 3150 or approval of instructor. (LTII)
- SP 4380. Twentieth-Century Latin American Theater** (3)  
This course includes 20th century plays from the Hispanic world, focusing in particular on aspects of identity, nationalism and historical revision. Prerequisite: SP 3150 or approval of instructor. (LTII)
- SP 4400. Modern Latin American Novel** (3)  
This course focuses on novels of the 20th century from the Hispanic world and includes major authors such as Fuentes, García Márquez and Cortázar. Prerequisite: SP 3150 or approval of instructor. (LTII)
- SP 4550. Latin American Short Story** (3)  
This course examines the development of the short story from the end of the 19th century to the present time focusing on texts from the modernist, vanguard, Americanist, and feminist movements. Prerequisite: SP 3150 or approval of instructor.

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**SP 4660. Latin American Film** (3)

This course familiarizes the student with the New Latin American Cinema Project, Latin American films made with the intention of providing social critique and instigating social reform. Included are works by Navarro, Echeverría, Bemberg, Diegues, Guzmán, Gumucio, Dragón, Alea, Solás, Ibarra and Fernández Violanta. Prerequisite: SP 2150 or approval of instructor.

**SP 4665. St. James (Santiago) Pilgrimage** (3)

In-depth study of one of the most frequented pilgrimages of Western Christianity, connected to the belief in Santiago de Compostela, Spain, as the burial site of St. James the apostle. Selected aspects of the pilgrimage will be considered, such as the architecture of the churches along the way, the history of the pilgrimage, stories of pilgrims past and present, and related music and art. As many pilgrim sites in Spain and possibly France will be visited as time and resources allow. Prerequisite: SP 3150 or approval of instructor. (*Offered on demand in Europe.*)

**SP 4700. The Spanish Golden Age** (3)

Studies of representative writers of the Spanish Golden Age (1500-1680). Includes the “Lazarillo”; plays by Lope, Tirso and Calderón; the “Novelas

Ejemplares” of Cervantes; and selections from Santa Teresa, San Juan de la Cruz, Luis de León, Quevedo and others. Prerequisite: SP 3150 or approval of instructor.

**SP 4800. Don Quixote** (3)

A careful reading of Cervantes’ masterpiece seen as the prototype of the modern novel. Includes studies of structure and style, of traditional interpretations and of Cervantes’ life and thought. Prerequisite: SP 3150 or approval of instructor. (LTII)

**SP 4940. Senior Capstone** (3)

Independent and/or collaborative research into major focus area: written/artistic/oral presentations required to demonstrate mastery of major area and good level of language proficiency. Required to fulfill major.

**SP 4941. Senior Project** (3)

Summative project combining Spanish language and culture with a focus on a topic in Communication Sciences and Disorders. This project is required for undergraduates completing the CSD Bilingual Emphasis program. It replaces the requirement for SP 4940 (Senior Capstone) in the case of a double CSD/Spanish major.

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## MUSIC (MS)

(Department of Communication and Fine Arts)

*Associate Professor*

Peter J. Bicap, Ph.D. (Chair)

*Professor*

Timothy L. McDonald, Ph.D.

The music program at Rockhurst University offers a range of courses that provide opportunities for the study of music literature, and, in addition, various options for applied study in musical performance. Ensembles such as the University Chorus, Chamber Singers and Women’s Chorale provide additional opportunities for students to participate in musical activities on and off campus.

Music literature courses emphasize an interdisciplinary approach by exploring the effects of literature, visual arts, philosophy, history and social conditions upon the creation of musical art.

Courses in applied music at Rockhurst University (piano, voice and guitar) are based on a holistic approach in which the development of the requisite physical and mental disciplines is seen as a means of achieving direct artistic experience. While studies in music literature develop skills in music criticism, applied music study provides the opportunity to experience art as a participant.

### Minor Field of Concentration

No major is offered in music. A music minor is available for interested students.

The prerequisite lower-division courses for the minor are MS 1000 or MS 1030 plus three semester courses in performance in Rockhurst Chorus, Chamber Singers, Women's Chorale or applied voice, piano, or guitar. The 12 hours of upper-division requirements consist of two of the following: MS 3350, MS 3370, MS 3410, MS 3430, MS 3450, MS 3500, MS 3650 or a Special Topics in Music course, plus additional semester courses in performance in Rockhurst Chorus, Chamber Singers, Women's Chorale or applied voice, piano, or guitar. A grade of C or better is required in each upper-division course of the minor. (A grade of C- will not satisfy the requirement.)

- MS 1000. Introduction to Music** (3)  
A basic introduction to the art of music, including a survey of the elements of musical composition and the historical styles of Western music, with emphasis on the development of effective listening techniques and critical skills. (ARI)
- MS 1030. Concerts in Kansas City** (3)  
Attendance at live performances is the focus of this music appreciation course. Supplemental studies in listening techniques and music literature provide significant insights into modern concert life in Kansas City. (ARI)
- MS 1050. Live Concert Experience** (1)  
Students select and attend six live concerts in classical and jazz styles and then submit a short paper for each summarizing and evaluating their experiences. Students must meet categorical requirements to ensure a varied experience that includes professional, community and academic music performances. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 1110. Introduction to Music Theory** (3)  
A course that explores the structural elements of music for the purpose of enhancing performance, composition or improvisation. Exercises in music reading, writing, and sightsinging provide a basis for developing essential skills. The course begins with construction of scales, and proceeds with the study of intervals, chords, rhythm, non-harmonic tones and thematic development.
- MS 1210. Instrumental Music Ensemble I** (1)  
This course provides an opportunity for students of various instruments to develop their playing skills in an ensemble setting. Repertoire includes a variety of music from classical to popular.
- MS 1250. Rockhurst University Chorus I** (1)  
*Fall and Spring semester*  
Open to all Rockhurst students, the University Chorus sings a wide variety of vocal music, ranging from show tunes to sacred music. Emphasis is placed on the development of singing skills and a commitment to quality performance. The group performs at many campus functions and for various organizations off campus. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 1270. Chamber Singers I** (1)  
*Fall and Spring semester*  
The Rockhurst Chamber Singers is an elite choral performing group, specializing in the performance of music from the Middle Ages to the 20th century, as well as popular music and vocal jazz. Enrollment is limited by audition only, and participation in the Rockhurst University Chorus is required. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 1290. Women's Chorale** (1)  
The Women's Chorale studies and performs music written and arranged for women's voices from the Middle Ages to the 20th century. Enrollment is limited by audition only, and participation in the Rockhurst University Chorus is required. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 1510-1519. Applied Music I** (1)  
Basic instrumental technique for a prescribed instrument, such as harp. Available for beginning through advanced students. By special arrangement only. Applied music fee. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 1610. Applied Voice I** (1)  
*Fall and Spring semester*  
Basic techniques for vocal performance, with more advanced study of vocal literature and technique as the student progresses. Available for beginning through advanced students. Participation in University Chorus or Chamber Singers is highly recommended. Applied music fee. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 1710. Applied Piano I** (1)  
*Fall and Spring semester*  
Basic piano technique, reading skills and introduction to piano repertoire. Minimum practice requirement: one hour daily. Applied music fee. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)

- MS 1810. Applied Guitar I** (1)  
*Fall and Spring semester*  
Basic guitar technique, reading skills and introduction to guitar literature. More advanced study of various styles, including folk, jazz, popular, and classical guitar are available as the student progresses. Applied music fee. Students must furnish their own instruments. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 2510-2519. Applied Music II** (1)  
Basic instrumental technique for a prescribed instrument, such as harp. Available for beginning through advanced students. By special arrangement only. Applied music fee. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 2610. Applied Voice II** (1)  
*Fall and Spring semester*  
Intermediate techniques for vocal performance, with continued study of vocal literature and technique as the student progresses. Participation in University Chorus or Chamber Singers is highly recommended. Admission on instructor approval. Applied music fee. Prerequisite: MS 1610. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 2710. Applied Piano II** (1)  
*Fall and Spring semester*  
Intermediate piano technique, reading skills and piano repertoire. Minimum practice requirement: one hour daily. Admission on instructor approval. Applied music fee. Prerequisite: MS 1710. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 2810. Applied Guitar II** (1)  
*Fall and Spring semester*  
Intermediate guitar technique, reading skills and introduction to guitar literature. More advanced study of various styles, including folk, jazz, popular, and classical guitar are available as the student progresses. Admission on instructor approval. Applied music fee. Students must furnish their own instruments. Prerequisite: MS 1810. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 3110. Music Theory II** (3)  
A more advanced theory course that stresses the mastery of the elements of music for the purpose of composition or improvisation. Exercises in music reading, writing and sight-singing emphasize 20th century materials such as modes, pentatonic scales, and whole tone scales, while harmonic study concentrates on non-harmonic tones and thematic development. Prerequisite: MS 1110 or instructor approval.
- MS 3210. Instrumental Music Ensemble II** (1)  
Continuation of MS 1210. Prerequisite: MS 1210.
- MS 3250. Rockhurst University Chorus II** (1)  
*Fall and Spring semester*  
Continuation of MS 1250. May be repeated for credit. Prerequisite: MS 1250. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 3270. Chamber Singers II** (1)  
*Fall and Spring semester*  
Continuation of MS 1270. May be repeated for credit. Prerequisite: MS 1270. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 3290. Women's Chorale II** (1)  
Continuation of MS 1290. Prerequisite: MS 1290. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 3350. Renaissance and Baroque Music** (3)  
A survey of the major stylistic developments in European music from 1450 through 1750, as seen through the works of Josquin, Palestrina, Lassus, Monteverdi, Purcell, Bach, Handel and others. (ARI)
- MS 3370. Classical and Romantic Music** (3)  
A survey of the major stylistic developments in European music from 1750 through 1900, as seen through the works of Haydn, Mozart, Beethoven, Schubert, Brahms, Wagner, Verdi and others. (ARI)
- MS 3410. Music in the 20th Century** (3)  
A survey of the major stylistic developments in European and American music during the 20th century, as seen through the works of Richard Strauss, Claude Debussy, Igor Stravinsky, Arnold Schoenberg, Aaron Copland and others. (ARI)
- MS 3430. Music in America** (3)  
The history of American music from the colonial era to the present. The major stylistic developments as seen in the works of Stephen Foster, John Philip Sousa, Aaron Copland, George Gershwin and others are contrasted and compared with the oral traditions of folk, jazz and popular music. (ARI)
- MS 3450. History and Development of Jazz** (3)  
The story of jazz is traced from its roots in 19th century forms such as Blackface minstrelsy, field "hollers" and work songs to the major 20th century developments of blues, dixieland, swing, bop, funk, and jazz-rock.

- MS 3500. The World of Opera** (3)  
An introduction to the literature, history and performance of opera, including works by composers such as Handel, Mozart, Verdi and Wagner. The course includes the use of opera videos of filmed and staged operas. Trips to the Lyric Opera of Kansas City are also included. (ARI)
- MS 3510-3519. Applied Music III** (1)  
Basic instrumental technique for a prescribed instrument, such as harp. Available for beginning through advanced students. By special arrangement only. Applied music fee. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 3610. Applied Voice III** (1)  
*Fall and Spring semester*  
Continuation of MS 2610. May be repeated for credit. Prerequisite: MS 2610. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 3650. Introduction to World Music** (3)  
An exploration of the history, styles and performance practices of music of non-western cultures, such as those of Africa, Asia and India.
- MS 3710. Applied Piano III** (1)  
*Fall and Spring semester*  
Continuation of MS 2710. May be repeated for credit. Prerequisite: MS 2710. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 3810. Applied Guitar III** (1)  
*Fall and Spring semester*  
Continuation of MS 2810. May be repeated for credit. Prerequisite: MS 2810. (ARI – To satisfy the core this course must be taken in combination with other AR, MS, or TA courses to equal at least 3 hours.)
- MS 4610. Applied Voice IV** (1-3)  
Continuation of MS 3610. May be repeated for credit. Prerequisite: MS 3610.
- MS 4710. Applied Piano IV** (1-3)  
Continuation of MS 3710. May be repeated for credit. Prerequisite: MS 3710.
- MS 4810. Applied Guitar IV** (1-3)  
Continuation of MS 3810. May be repeated for credit. Prerequisite: MS 3810.

## NATURAL SCIENCE (NS)

*Associate Professor* D. Philip Colombo, Jr., Ph.D. (Division Chair)

The Division of Natural, Applied and Quantitative Sciences offers interdisciplinary coursework under a “natural science” or “NS” designation. Any questions concerning these offerings may be directed to the division chair.

- NS 1000. Freshmen in Science Seminar** (1)  
The purpose of the course is to assist beginning science/math students in exploring the nature of the study of science and mathematics and to explore career options in science and mathematics. It does this in the larger realm of the mission and values of Rockhurst University and its science and mathematics programs. This course has been designed to facilitate partnerships in learning with faculty, study groups and classmates; to propose time management strategies; to become more aware of science requirements in various fields of study; to discuss the importance of ethics in science as well as in the community at large; to evaluate the importance of personal wellness; to value diversity with science and the community; to examine the relationships between interest/values/skills as they relate to career alternatives, and to foster a sense of becoming “men and women for others” with a service learning project.
- NS 1210. Environmental Science** (3)  
This course provides an introduction to scientific methods and a scientific background upon which to base decisions concerning environmental issues. Topics include air, water and solid waste pollution, ecological concepts, population and conservation of natural resources. The course, with NS 1220, counts toward the natural science requirement for non-science majors. Three hours of lecture per week. Corequisite: NS 1220. (SCI)
- NS 1220. Environmental Science Laboratory** (1)  
Experiments and projects demonstrating and testing the concepts developed in lecture. One laboratory period per week. Laboratory fee. Corequisite: NS 1210. (SCI)
- NS 1500. Geological Sciences** (3)  
The course will be divided into two broad areas: physical and historical. The physical section examines Earth’s rocks and minerals, and seeks an

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understanding of the processes that operate beneath or upon the Earth's surface. The historical aim is to understand the Earth's origin and how it has changed through time. A chronology of physical and biological changes during the past 4.5 million years will be established. Corequisite: NS 1501. (SCI)

**NS 1501. Geological Sciences Lab (1)**

Lab will consist of practical rock and mineral identification, including procedures for doing so. Local field trips, looking at regional rock formations, may be held. Corequisite: NS 1500. (SCI)

**NS 3020 (WS 3020). Women and Science. (2)**

This course will examine the role of women in science by studying their contributions to the scientific body of knowledge and their influences as professionals in scientific fields. Readings will focus on the lives of many influential women scientists, the influence of women on the origins of modern

science and the participation of women in research on both sides of the lab bench, as investigators and as study subjects.

**NS 3050 (AR 3050). Scientific Illustration (3)**

A study of the basic techniques necessary to produce preliminary and final illustrations suitable for publication of biological and technical subjects. Emphasis is placed on sketching, pen and ink drawings, continuous tone drawing, animal drawing, watercolor, printing techniques, layout and design, lettering and maps and graphs. Field trips to a zoo, a natural history museum and printing plant are planned. Students complete a number of major drawing assignments designed to give them the expertise needed to illustrate their own research as well as that of other workers. This course does not satisfy the natural science requirement. Lab fee for materials. Prerequisite: instructor approval.

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## NONPROFIT LEADERSHIP STUDIES (NP)

Formerly: Human Service Agency Administration (HA).

See the undergraduate School of Graduate and Professional Studies section of this catalog.

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## ORGANIZATIONAL COMMUNICATION (OC)

(Department of Communication and Fine Arts)

*Associate Professor* Peter J. Bicak, Ph.D. (Chair)

*Assistant Professor* Laura A. Janusik, Ph.D.

Michael K. McDonald, Ph.D.

Sam C. Mwangi, Ph.D.

Organizational communication is the process of collaborating and coordinating meaning among human beings in order to achieve organizational goals. The Organizational Communication major immerses students in the theoretical and applied study of organizational structure and leadership and promotes development of skill in oral communication and writing.

Successful leadership of contemporary organizations relies on thorough knowledge of the ways people organize themselves (e.g., as hierarchies, cultures, systems, etc.), *how* leaders lead organizations (e.g., as visionary leaders, consultative leaders, autocratic leaders, etc.), and the *nature* of communication among leaders and members of organizations (e.g. upward and downward communication, ethical communication, conflict management, etc.). In addition, this knowledge must be enacted through competent communication skills, both oral and written, in a variety of communication contexts (e.g., interpersonal,

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intercultural, public speaking, etc.). Coursework in this major is designed to provide opportunities to meet both theory and skill objectives.

The Organizational Communication major draws primarily from the discipline of Communication but includes upper-division hours from the English Department. The total number of upper-division hours for the major is 24. In addition, the student must complete the required 12 hours of related upper-division coursework or fulfill the requirements for a minor or second major. Coursework should be chosen in consultation with an advisor.

### **Major Field of Concentration**

The lower-division prerequisites include CT 2040 Interpersonal Communication, JN 2000 Introduction to Journalism, CT 2200 Mass Communication, and two semesters of one college-level foreign language. Upper-division requirements are CT 3010 Leadership Theory and Practice, EN 3160 Writing for the Marketplace, CT 3300 Presentational Speaking, CT 3400 New Technology in Organizations, CT 4350 Organizational Communication, CT 4800 Organizational Culture, CT 4860 Seminar in Group Interaction, and CT 4941 Capstone in Organizational Communication.

A Bachelor of Arts degree in Organizational Communication is available in the evening through the Evening Program in the School of Graduate and Professional Studies (GPS). Contact the GPS academic advisor at 816-501-4062 for further information.

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