INTA 489. Seminar in International Affairs. 4 credits.
This is the capstone course in the international affairs major. It provides an interdisciplinary overview of the fields within international affairs and an opportunity for students to complete individual research projects on international problems. Prerequisites: Completion of all courses in the core requirement of the major and senior standing.

International Business

IB 298. Special Topics in International Business. 3 credits.
The course is designed to allow exploration of current topics in international business. Course content will vary. See program director for current content.

IB 480. International Business Theory and Policy. 3 credits.
The course is designed to serve as an application of theory for business students to allow them to put the total picture of international business together. Prerequisite: IB major, senior standing.

IB 480. Special Studies in International Business. 1-3 credits.
Designed to give capable students in international business an opportunity to complete independent study under faculty supervision. Prerequisites: GPA of 2.8, recommendation of the instructor and approval of the director prior to registration.

IB 498. Special Topics in International Business. 3 credits.
An advanced course designed to allow exploration of current topics in international business. Course content will vary. See the program director for current content. Prerequisites: COB 300 and permission of the instructor.

IB 499. Honors. 6 credits.
See catalog section "Graduation With Honors."

Interprofessional Education

IPE 201. Health Professionals in Diverse Communities. 1 credit. Offered fall.
A introduction to skills in professionalism and interprofessional collaboration in addressing local and global health challenges. First year pre-professional health students examine social determinants of health and diverse communities, and learn skills in reflection as they interact with health professionals and faculty. Prerequisite: Membership in the Huber Learning Community.

IPE 202. Health Care Service in Diverse Communities. 2 credits. Offered spring.
This course is the second in a two-course sequence for first year pre-professional health students in the Huber Learning Community. Students examine interprofessional perspectives on complex global health issues and apply skills in professionalism, integration, collaboration and reflection to community-based, experiential service learning. Prerequisites: IPE 201 and membership in the Huber Learning Community.

IPE 220. Adult Health and Development Program. 3 credits. Offered fall.
In this academic course and outreach program to adults age 55+ in the surrounding community, JMU students are trained to work 1:1 with the older adults, to apply aging and intergenerational theory, and to critically analyze the outcomes from their interactions.

IPE/HTH/NSG/SOWK 314. Rural Health: An Interprofessional Approach. 3 credits.
Studies student, observe and participate in interprofessional assessment, planning and delivery of community-based primary health care in partnership with residents and agencies of a host rural county. Learning activities will emphasize rural culture, rural health care and interprofessional practice.

IPE 320. Adult Health and Development Program – Leadership. 3 credits. Offered fall.
Both an academic course and an outreach program to adults age 55+ in the surrounding community, this course offers JMU students who have previously participated in the program the opportunity to become senior staff who provide program leadership, oversight and implementation to the program. Prerequisites: Permission of the instructor and completion of one semester of AHD.

IPE 391. Introduction to Informatics for Health Care Professionals. 1 credit.
Electronic health records and health apps exemplify how health information technology (IT) is changing health care today. Students will learn how health IT tools and big data can improve communication between health providers, support better patient outcomes and reduce spending on health care. Designed with an emphasis on interprofessional collaborative practice, students will learn about their own and others’ professional roles and responsibilities in achieving health goals using health IT.

IPE 401. Workshops in Interprofessional Education and Practice. 0 credits.
IPE workshops offer a time-limited and concentrated focus on issues that are specific to interprofessional education and/or practice.

Healthcare ethics is a shared, relevant concern among health and human service disciplines; it is an ideal vehicle for students to learn other discipline perspectives. Students examine dilemmas encountered in practice and apply interprofessional knowledge using a case method of instruction. Readings and activities emphasize interprofessional competencies and ethical principles for practice in the context of respectful communication, analysis and problem solving in interprofessional teams.

IPE 440. International Health and Human Services in Malta. 4 credits. Offered May.
This May session, study abroad course examines health issues in Malta and provides a team oriented project experience. Project participation, tours and arranged meetings with local experts are used to illustrate health related problems that apply globally and which are compared and contrasted with those in the United States.

IPE/NSG 460. Healthcare Informatics. 2 credits.
This course focuses on the nature and functions of present and future application of health care informatics. Emphasis is on preparing current and future health care professionals to plan, design, collaborate with other health care disciplines, and utilize healthcare informatics for effective health care delivery, health organizational management and improved client outcomes. Prerequisite: Minimum of sophomore standing.

IPE 490. Special Topics in Health and Human Services. 0-4 credits.
Offered fall and spring.
This course involves topics of special interest in the area of health and human services but is open to all students. The focus of specific courses is identified for specific offerings. Courses are offered based on faculty and student interests.

Interdisciplinary Science

ISCI 101. Physics, Chemistry and the Human Experience. 3 credits.
A survey of the fundamental concepts, principles and ideas of chemistry and physics. Particular emphasis is placed on understanding the development of the principles and their application in understanding the world around us. May be used for general education credit. Prerequisite or corequisite as indicated on MyMadison.

ISCI 104. Scientific Perspectives. 1 credit.
A study of topics selected to allow students to participate in mathematical and scientific problem solving approaches to knowledge. May be used for general education credit. Prerequisite or corequisite as indicated on MyMadison.

ISCI 171. Earth and Planetary Science for Teachers. 3 credits.
This course provides university-level foundations of earth and planetary science for future pk-8 teachers. Content aligns with various teacher competencies, and includes such topics as the formation and evolution of the earth and the earth’s solar system, the characteristics of stars, planets, asteroids, and comets, and how earth and planetary science knowledge and technologies function with social context. Hands-on, experiential inquiry will be integrated into the course, as will an exploration of such methods as observation, classification, comparison, measurement, data interpretation, mathematical analysis, inference, prediction, and hypothesis testing. Normally open to IDLS majors only, but other students may request admission by special permission. May be used for general education credit.

http://www.jmu.edu/catalog/15
ISCI 172. Physical Science for Teachers. 3 credits.
This course provides university-level foundations of physical science for future pre-K-8 teachers. Content aligns with various teacher competencies, and includes such topics as matter, conservation of mass and energy, chemical structures and bonds, coordinate systems and their use in describing motion and force, thermodynamics, light, sound, magnetism and electricity, and how physical science knowledge and technologies function with social context. Hands-on, experiential inquiry will be integrated into the course, as will an exploration of such methods as observation, classification, comparison, measurement, data interpretation, mathematical analysis, inference, prediction and hypothesis testing. Normally open to IDLS majors only, but other students may request admission by special permission. May be used for general education credit.

ISCI 173. Life and Environmental Science for Teachers. 3 credits.
This course provides university-level foundations of physical science for future pre-K-8 teachers. Content aligns with various teacher competencies, and includes such topics as energy, environment, ecological succession, biological diversity and evolution, life systems and systems feedback, air and water quality, resource use and conservation, and how life and environmental science knowledge and technologies function with social context. Hands-on, experiential inquiry will be integrated into the course, as will an exploration of such methods as observation, classification, comparison, measurement, data interpretation, mathematical analysis, inference, prediction, and hypothesis testing. Normally open to IDLS majors only, but other students may request admission by special permission. May be used for general education credit.

ISCI 450 A, B, C. Interscience Research. 1-4 credits, repeatable to 6 credits.
An investigative experience spanning more than one field of science which may require supervision by multiple faculty members from different disciplines. Students must get prior approval for this course from each of the supervising faculty members and the department head of their program. Prerequisites: Junior status and permission of the instructors.

Italian
ITAL 101. Elementary Italian I. 3-4 credits.
The fundamentals of Italian through listening, speaking, reading and writing. Practice in pronunciation and development of comprehension. One hour’s work a week in the language laboratory. If student has had two or more years of the language in high school he/she will not receive credit for the course.

ITAL 102. Elementary Italian II. 3-4 credits.
The fundamentals of Italian through listening, speaking, reading and writing. Practice in pronunciation and development of comprehension. If student has had two or more years of the language in high school he/she will not receive credit for the course. Prerequisite: ITAL 101.

ITAL 102F. Elementary Italian-Florence II. 4 credits.
The fundamentals of Italian through listening, speaking, reading and writing. Practice in pronunciation and development of comprehension. If student has had two or more years of the language in high school he/she will not receive credit for the course. Prerequisite: ITAL 101.

ITAL 109. Accelerated Review of Elementary Italian. 3 credits.
Reviews elementary Italian grammar, reading, writing, speaking and listening skills in Italian. One hour of work a week in the language laboratory. If student has had two or more years of the language in high school he/she will not receive credit for the course. Prerequisite: ITAL 101.

ITAL 111. Intensive Italian I. 6 credits.
The fundamentals of Italian through intensive listening, speaking, reading and writing. This four-week course is the equivalent of ITAL 101-102.

ITAL 212. Intensive Italian II. 6 credits.
The fundamentals of Italian through intensive listening, speaking, reading and writing at the intermediate level. This four-week course is the equivalent of ITAL 231-232. Prerequisite: ITAL 102 or ITAL 111.

ITAL 231. Intermediate Italian I. 3 credits.
A thorough review of grammar, vocabulary building, conversation, composition and reading. Prerequisite: ITAL 102 or ITAL 111.

ITAL 231F. Intermediate Italian-Florence I. 3 credits.
A thorough review of grammar, vocabulary building, conversation, composition and reading. Prerequisite: ITAL 102 or ITAL 111.

ITAL 232. Intermediate Italian II. 3 credits.
A thorough review of grammar, vocabulary building, conversation, composition and reading. Prerequisite: ITAL 231.

ITAL 232F. Intermediate Italian-Florence II. 3 credits.
A thorough review of grammar, vocabulary building, conversation, composition and reading. Prerequisite: ITAL 232.

ITAL 234. Intermediate Italian-Florence IV. 3 credits.
A thorough review of grammar, vocabulary building, conversation, composition and reading. Prerequisite: ITAL 233.

ITAL 300. Italian Grammar and Communication. 3 credits.
Intensive training in grammatical structures and their application to oral and written communication. Instruction is in Italian. Fulfills the College of Arts and Letters writing-intensive requirement for the major. Prerequisite: ITAL 232 or ITAL 212.

ITAL 307. Italian Civilization. 3 credits.
A study of the history and the arts of Italy from the Etruscans to 1814. Instruction is in Italian. Prerequisite: ITAL 230.

ITAL/HIST 308. Contemporary Italian Civilization. 3 credits.
A study of Italian society, economics, politics and the arts from 1814 to the present. Instruction in English. (Research papers for Italian majors/minors in the language.)

ITAL 315. Italian Phonetics. 3 credits.
Intensive drill in Italian sounds and intonation patterns. Instruction is in Italian. Prerequisite: ITAL 232 or equivalent.

ITAL 317. Strategies for Italian Oral Communication. 3 credits.
In this course students will develop linguistic competencies and learn basic tools to improve their oral communication skills. Prerequisite: ITAL 232 or permission of the instructor.

ITAL 320. Italian Oral and Written Communication. 3 credits.
Intensive training in the use of modern, everyday Italian with emphasis on conversation and composition. Readings in Italian will provide a context for discussion and writing. Prerequisite: ITAL 300.

ITAL 330. Business Italian. 3 credits.
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 Italian. Prerequisite: ITAL 300.

ITAL 335. Introduction to Italian Literature. 3 credits.
A survey of Italian literature from its beginning to the late 18th century. Textual analysis of sample writings representative of the most important literary movements. Instruction is in Italian. Prerequisite: ITAL 300.

ITAL 375. Business and Society in Italy. 3 credits.
This course studies Italian business, economy, politics and the influence the Italian society has on them. Prerequisite: ITAL 300.

ITAL 397. Creative Writing in Italian. 3 credits.
This course will develop strategies both for writing well and for writing creatively. Prerequisite: ITAL 300.

ITAL 400. Advanced Conversation. 3 credits.
Discussions deal with topics of current interest. Prerequisite: ITAL 320.

ITAL 410. Italian Through Media. 3 credits.
This course is an analysis of modern Italy through television, radio, newspapers, the internet, and commercial advertisement. Instruction is in Italian. Prerequisite: ITAL 300 or permission of the instructor.

ITAL 425. Modern Italian Literature. 3 credits.
A study of the works of major Italian writers from the 19th century to the present. Instruction is in Italian. Prerequisite: ITAL 300.

ITAL 435. Translation Competencies. 3 credits.
In this course, students will develop linguistic competencies required in translation, including reading comprehension, summary writing, text analysis, and use of mono- and bilingual dictionaries. Students will learn some basic electronic tools and word processing skills for translators, and practice several types of translation, including direct translation, reverse translation and back translation. Prerequisites: ITAL 300 or permission of the instructor.

ITAL/ENG 437. Studies in Italian Literature. 3 credits.
A study of selected works of Italian literature. Instruction is in English. May be repeated for credit when course content changes. (Research papers for Italian majors/minors in the language).

ITAL 446. Special Topics in Italian Literature. 3 credits.
Study of a particular topic in Italian literature. It may cover all or specific Italian literature genre. Course may be repeated. Prerequisite: ITAL 300.

ITAL 447. Special Topics in Italian Civilization and Culture. 3 credits.
Students will study a particular topic in the civilization and/or culture of Italy. Course may be repeated. Prerequisite: ITAL 300.