##  Graduation Requirements for all Undergraduate Students

The following requirements must be completed by undergraduate degree candidates at Rhode Island College in order to graduate:

1. The General Education requirements.

2. The College Writing Requirement.

3. Writing in the Discipline Requirement.

4. Introduction to RIC Requirement.

5. The College Mathematics Milestone.

6. The major requirements listed under each program, and, if applicable, requirements in the minor.

7. Experiential Learning Requirement.

8. A minimum of 120 earned credits.

9. The College Residency Requirement: a minimum of 45 credits must be taken at RIC, including a minimum of 50% of the major credits (with at least 12 credits in the major at the 300- or 400-level) and a minimum of 2 courses for a minor.

10. A minimum of a 2.0 G.P.A. in the major and minor (if applicable).

11. A minimum overall G.P.A. of 2.0 on a 4.0 scale.

## College Writing Requirement

All students are required to complete the College Writing Requirement. In most cases, this requirement is satisfied by the completion of FYW 100, FYW 100P or FYW 100H, with a minimum grade of C. However, the Feinstein School of Education and Human Development requires a minimum grade of B. Students who receive a C- or below in FYW 100, FYW 100P or FYW 100H will receive the college credit but will not have fulfilled the College Writing Requirement. This requirement may also be satisfied by (1) passing the appropriate College Level Examination Program (CLEP)/College Composition, with a minimum score of 50, and by reporting the score to RIC’s Admissions Office; or (2) by passing the course equivalent of FYW 100 with a C or better at another institution; in this latter case, the transcript from the institution at which the student enrolled in the equivalent course should be sent to RIC’s Admissions office. Most students will have the opportunity during New Student Orientation to choose which FYW course best meets their needs. Visit the FYW Program website at https://www.ric.edu/academics/first-year-writing-fyw for information on this process.

Students are encouraged to fulfill the College Writing Requirement in their first year of study at Rhode Island College. Students who have not fulfilled the College Writing Requirement before the completion of 30 attempted credits at the college will have a registration hold placed on their account until they have registered for the course. If the course is not completed successfully, the hold will be placed again.

## Writing in the Discipline

Building on the core course, FYW 100/FYW 100P/FYW 100H, each discipline has identified a required course or courses within the major in which students learn to write for that discipline. Completion of the major/program fulfills the Writing in the Discipline requirement.

Introduction To RIC Requirement

To maximize student success, a one-credit transition to college course, Introduction to RIC, is required of all first-year students during their first semester (RIC 100). Students who transfer with fewer than 24 credits are required to pass RIC 100 in order to graduate.

RIC 100: Introduction to RIC (1) F, Sp.

Students learn how to navigate college in general and RIC specifically, including such topics as time management, wellness, college expectations, note-taking, cultural competency, and campus resources.

Note: Students taking COLL 101 or COLL 150 or HONR 150 or NURS 100 will be exempted.

## College Mathematics Milestone

General Education

**Chair of the Committee on General Education**

Suchandra Basu

General Information

The General Education Program is designed to provide students in all academic majors and professional programs with the knowledge and skills of a college-educated citizen. General Education focuses on eleven learning outcomes through four core courses, five distribution areas, and one additional course from the elective category or another course from one of the distribution options, or from Connections. First Year Writing provides a starting point for writing at all levels. Also in the first year, students take First Year Seminar, choosing from a large selection of intriguing courses designed to spark curiosity and critical engagement. Mathematics is suggested in the first year to start building the essential foundation for working with numbers at all levels. Connections courses serve as a developmental moment in which the skills learned in the first year carry through.

Distribution courses offer students the opportunity to choose courses that advance their professional goals, engage their personal interests, or to explore new areas of knowledge.

Rhode Island College graduates must demonstrate knowledge of a second language. There are various ways to demonstrate proficiency in a second language. The sections provide more detailed information on General Education at the College.

Core Courses

Courses

First Year Seminar (FYS)

FYS 100 is required in the freshman year, with sections on a wide variety of topics. Each section is discussion-based and focused on developing critical thinking, oral communication, information literacy/research fluency, and written communication. FYS 100 will not be offered in the summer or the early spring sessions. Students who enter the college as transfer students are not considered first-year students and are exempt from this requirement. Courses are limited to twenty students

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| FYS 100 | First Year Seminar | 4 | F, Sp |
| HONR 100 | First Year Seminar | 4 | F, Sp |

\* HONR 100 is open only to students in the College Honors Program.

First Year Writing (FYW)

FYW 100 (or FYW 100P) is required in freshman year. Either course introduces students to college-level writing and helps them develop the writing skills needed for success in college courses. Successful completion of the course (a final grade of C or better) will also meet the College Writing Requirement. Courses are limited to twenty students for FYW 100 (four credit hours); courses are limited to fifteen students for FYW 100P (six credit hours).

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| FYW 100 | Introduction to Academic Writing | 4 | F, Sp, Su |
| FYW 100H | Introduction to Academic Writing | 4 | F, Sp |
| FYW 100P | Introduction to Academic Writing PLUS | 6 | F, Sp |

\* FYW 100H is open only to students in the College Honors Program.

Math is suggested in the freshman year. Students are encouraged to choose one course from the following options early to help them develop quantitative skills required for success in college-level courses and beyond.

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Connections (C)

Courses in the Connections category are on topics that emphasize comparative perspectives, such as across disciplines, across time, and across cultures. Students must complete the FYS 100/HONR 100 and FYW 100/FYW 100P/FYW 100H courses before taking a Connections course. Connections courses may be included in any major or minor program.

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| ANTH 261 | The Complexities of Global Health | 4 | F, Sp |
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| ANTH 262 | Indigenous Rights and the Global Environment | 4 | F, Sp |
| ANTH 265 | Anthropological Perspectives on Childhood | 4 | F, Sp |
| ANTH 266 | Anthropological and Indigenous Perspectives on Place | 4 | F, Sp |
| ART 261 | Art and Money | 4 | Sp |
| ART 262 | Encounters with Global Arts | 4 | F |
| BIOL 261 | The World's Forests | 4 | F (even years) |
| COMM 261 | Issues in Free Speech | 4 | Annually |
| COMM 262 | Dialect: What We Speak | 4 | As needed |
| COMM 263 | East Asian Media and Popular Culture | 4 | Sp, Su |
| ENGL 261 | Arctic Encounters | 4 | As needed |
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| ENGL 263 | Zen East and West | 4 | Sp (alternate years) |
| ENGL 264 | American Persuaders | 4 | Annually |
| ENGL 265 | Women's Stories across Cultures | 4 | As needed |
| ENGL 267 | Books that Changed American Culture | 4 | Alternate years |
| ENST 261 | Climate change and YOU | 4 | F, Su |
| FILM 262 | Cross-Cultural Projections: Exploring Cinematic Representation | 4 | As needed |
| GEND 261 | Resisting Authority: Girls of Fictional Futures | 4 | Sp (alternate years) |
| GEND 262 | Lights, Camera, Gender!: Gender in Film | 4 | F |
| GED 262 | Native American Narratives | 4 | F, Sp |
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| HIST 267 | Personal Memories of the World Wars | 4 | Annually |
| HIST 268 | Civil Rights and National Liberation Movements | 4 | Annually |
| HIST 269 | Jazz and Civil Rights: Freedom Sounds | 4 | F, Sp, Su |
| HIST 272 | Globalization, 15th Century to the Present | 4 | F, Sp, Su |
| HIST 273 | Latin America and Globalization, 1492-Present | 4 | Annually |
| HIST 274 | The History of the Dominican Republic | 4 | Annually |
| HIST 275 | Russia from Beginning to End | 4 | F, Sp |
| MUS 261 | Music and Multimedia | 4 | As needed |
| NURS 262 | Substance Abuse as a Global Issue | 4 | F |
| NURS 264 | Status of the World's Children | 4 | F, Sp, Su |
| NURS 266 | Health and Cultural Diversity | 4 | F, Sp |
| PHIL 261 | Philosophy of Health and Well-Being | 4 | F, Sp |
| PHIL 262 | Freedom and Responsibility | 4 | F, Sp, Su |
| PHIL 263 | The Idea of God | 4 | F, Sp, Su |
| PHIL 265 | Philosophical Issues of Gender and Sex | 4 | F, Sp |
| PHIL 266 | Asian Philosophies: Theory and Practice | 4 | F, Sp |
| PSCI 262 | Space: The Final Frontier | 4 | F, Sp, Su |
| POL 262 | Power and Community | 4 | F, Sp, Su |
| POL 267 | Immigration, Citizenship, and National Identity | 4 | Annually |
| POL 269 | International LGBTIQ+ Rights | 4 | F (odd years) |
| SOC 262 | Sociology of Money | 4 | F, Sp, Su |
| SOC 264 | Sex and Power: Global Gender Inequality | 4 | F, Sp |
| SOC 267 | Comparative Perspectives on Higher Education | 4 | Even years |
| SOC 268 | Genocide, Atrocity and Prevention | 4 | Annually |
| SUST 261 | Exploring Nature Through Art, Science, Technology | 4 | F, Sp |
| THTR 261 | Contemporary Black Theatre: Cultural Perspectives | 4 | Annually |

Distribution Courses

Distribution courses emphasize ways of thinking and methods of inquiry within various disciplines. Students are required to take one course in each of the following seven areas:

• Arts—Visual and Performing

• Elective

• History/Philosophy

• Literature/Language

• Natural Science

• Social and Behavioral Sciences

Courses

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Arts—Visual and Performing (A)

ONE COURSE from

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| --- | --- | --- | --- |
| ART 101 | Drawing I: General Drawing | 4 | F, Sp |
| ART 104 | Design I: Two-Dimensional Design | 4 | F, Sp |
| ART 201 | Visual Arts in Society | 4 | As needed |
| ART 210 | Nurturing Artistic and Musical Development | 4 | F, Sp |
| ART 231W | Prehistoric to Renaissance Art | 4 | F, Sp, Su |
| ART 232W | Renaissance to Contemporary Art | 4 | F, Sp, Su |
| COMM 220/MUS 220 | Digital Audio Production I | 4 | F, Sp, Su |
| COMM 241 | Introduction to Cinema and Video | 4 | F, Sp, Su |
| COMM 244 | Digital Media Lab | 4 | F, Sp, Su |
| DANC 215W | Contemporary Dance and Culture | 4 | F, Sp |
| ENGL 113 | Approaches to Drama: Page to Stage | 4 | F, Sp |
| FILM 116 | Introduction to Film | 4 | F, Sp, Su |
| MUS 167 | Music Cultures of Non-Western Worlds | 4 | F, Sp |
| MUS 201 | Survey of Music | 4 | F, Sp, Su |
| MUS 203 | Elementary Music Theory | 4 | F, Sp, Su |
| MUS 220/COMM 220 | Digital Audio Production I | 4 | F, Sp, Su |
| MUS 223 | American Popular Music | 4 | F, Sp |
| MUS 225 | History of Jazz | 4 | F, Sp |
| PHIL 230 | Aesthetics | 4 | F, Sp, Su |
| THTR 240 | Appreciation and Enjoyment of the Theatre | 4 | F, Sp, Su |
| THTR 242 | Acting for Nonmajors | 4 | Su |

Elective (E)

Courses in the Elective category can be offered by any department. Students may also take one additional course from any of the other distribution categories to fulfil this category, but cannot count more than TWO courses from the same course code for the General Education program. To check any possible prerequisites, see the course description section of this catalog.

ONE COURSE from

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| ANTH 235 | Bones and Stones: How Archaeologists Know | 4 | Annually |
| ANTH 237 | Measuring Inequality, Analyzing Injustice | 4 | Annually |
| ANTH 306 | Primate Ecology and Social Behavior | 4 | F, Sp |
| ANTH 307 | Human Nature: Evolution, Ecology, and Behavior | 4 | F, Sp |
| BIOL 314 | Genetics | 4 | F |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
| CHEM 104 | General Chemistry II | 4 | Sp, Su |
| CHEM 106 | General, Organic, and Biological Chemistry II | 4 | F, Sp, Su |
| CSCI 423 | Analysis of Algorithms | 4 | F (odd years), Sp |
| DATA 245 | Principles of Data Science | 4 | F, Sp |
| GEOG 201 | Mapping Our Changing World | 4 | F, Sp |
| GEOG 205 | Earth's Physical Environments | 4 | F, Sp |
| HSCI 232 | Human Genetics | 4 | F |
| HIST 207 | History Through Numbers | 4 | F, Sp |
| MGT 249 | Business Statistics II | 4 | F, Sp, Su |
| MATH 213 | Calculus II | 4 | F, Sp, Su |
| MATH 239 | Contemporary Topics in Mathematics II | 4 | F, Sp, Su |
| MATH 241 | Statistical Methods II | 4 | As needed |
| MATH 248 | Business Statistics I | 4 | F, Sp, Su |
| MATH 324 | College Geometry | 4 | Sp |
| PHIL 220 | Logic and Probability in Scientific Reasoning | 4 | F, Sp |
| PSCI 204 | Understanding the Physical Universe | 4 | F, Sp, Su |
| PSCI 208 | Forensic Science | 4 | F, Sp |
| PSCI 214 | Introduction to Meteorology | 4 | F |
| PHYS 102 | Physics for Science and Mathematics II | 4 | F, Sp, Su |
| PHYS 120 | The Extraordinary Physics of Ordinary Things | 4 | Sp |
| PHYS 309 | Nanoscience and Nanotechnology | 4 | F (even years) |
| POL 300 | Methodology in Political Science | 4 | F, Sp |
| SWRK 303 | Social Work Research Methods II | 4 | F, Sp, Su |
| SOC 302W | Social Research Methods | 4 | F, Sp, Su |
| SOC 404 | Social Data Analysis | 4 | F, Sp, Su |
| TECH 306 | Automation and Control Systems | 4 | Annually |

History/Philosophy (HP)

ONE COURSE from

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| HIST 101 | Multiple Voices: Africa in the World | 4 | F, Sp, Su |
| HIST 102 | Multiple Voices: Asia in the World | 4 | F, Sp, Su |
| HIST 103 | Multiple Voices: Europe in the World to 1600 | 4 | F, Sp, Su |
| HIST 104 | Multiple Voices: Europe in the World Since 1600 | 4 | F, Sp, Su |
| HIST 105 | Multiple Voices: Latin America in the World | 4 | F, Sp, Su |
| HIST 106 | Multiple Voices: Muslim People in the World | 4 | F, Sp, Su |
| HIST 107 | Multiple Voices: The United States in the World | 4 | F, Sp, Su |
| HIST 108 | History of Science and Medicine | 4 | Annually |
| HIST 110 | Global History to 1000 | 4 | Annually |
| HIST 111 | Global History Since 1000 | 4 | Annually |
| HIST 117 | Special Topics in History | 4 | As needed |
| HIST 118 | Topics in U.S. History to 1877 | 3 | As needed |
| HIST 119 | Topics in U.S. History from 1877 to Present | 3 | As needed |

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Literature/Language (LL)

ONE COURSE from

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| ENGL 118 | Introduction to the Literary Experience | 4 | As needed |
| ENGL 120 | Studies in Literature and Identity | 4 | F, Sp, Su |
| ENGL 121 | Studies in Literature and Nation | 4 | F, Sp, Su |
| ENGL 122 | Studies in Literature and the Canon | 4 | F, Sp, Su |
| ENGL 123 | Studies in Literature and Genre | 4 | F, Sp, Su |
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| FREN 115 | Literature of the French-Speaking World | 4 | F, Sp |
| ITAL 115 | Literature of Italy | 4 | F, Sp |
| PORT 115 | Literature of the Portuguese-Speaking World | 4 | F, Sp |
| SPAN 115 | Literature of the Spanish-Speaking World | 4 | F, Sp |

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Natural Science (NS)

ONE COURSE from

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| BIOL 100 | Fundamental Concepts of Biology | 4 | F, Sp, Su |
| BIOL 108 | Basic Principles of Biology | 4 | F, Sp, Su |
| BIOL 111 | Introductory Biology I | 4 | F, Sp, Su |
| BIOL 112 | Introductory Biology II | 4 | F, Sp, Su |
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| BIOL 201 | Anatomy and Physiology I Lecture | 3 | F, Sp, Su |
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| BIOL 202 | Anatomy and Physiology I Laboratory | 1 | F, Sp, Su |
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| CHEM 103 | General Chemistry I | 4 | F, Sp, Su |
| CHEM 105 | General, Organic and Biological Chemistry I | 4 | F, Sp, Su |
| PSCI 103 | Physical Science | 4 | F, Sp, Su |
| PSCI 211 | Introduction to Astronomy | 4 | F, Sp |
| PSCI 212 | Introduction to Geology | 4 | F, Su |
| PSCI 217 | Introduction to Oceanography | 4 | Sp |
| PHYS 101 | Physics for Science and Mathematics I | 4 | F, Sp, Su |
| PHYS 110 | Introductory Physics | 4 | Sp, F, Su |

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Social and Behavioral Sciences (SB)

ONE COURSE from

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| AFRI 200 | Introduction to Africana Studies | 4 | F, Sp, Su (as needed) |
| ANTH 101 | Introduction to Cultural Anthropology | 4 | F, Sp |
| ANTH 102 | Introduction to Archaeology | 4 | F, Sp |
| ANTH 104 | Introduction to Linguistic Anthropology | 4 | F |
| COMM 240 | Mass Media and Society | 4 | F, Sp, Su |
| COMM 245 | Social Media Communication | 4 | F |
| COMM 256 | Social Media and Society | 4 | Sp, Su |
| CEP 215 | Introduction to Educational Psychology | 4 | F, Sp, Su |
| ECON 200 | Introduction to Economics | 4 | F, Sp, Su |
| GEND 200W | Gender and Society | 4 | F, Sp |
| GEOG 100 | Introduction to Environmental Geography | 4 | F, Sp, Su |
| GEOG 101 | Introduction to Geography | 4 | F, Sp, Su |
| GEOG 200 | World Regional Geography | 4 | F, Sp |
| GEOG 206 | Disaster Management | 4 | F, Sp |
| POL 102 | American Government | 4 | F, Sp, Su |
| POL 103 | Global Politics | 4 | F, Sp |
| POL 104 | Introduction to Political Thought | 4 | F, Sp |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |
| PSYC 215 | Social Psychology | 4 | F, Sp, Su |
| SWRK 200 | Introducing Social Work and Social Justice | 4 | F, Sp |
| SOC 200 | Introduction to Sociology | 4 | F, Sp |
| SOC 202 | The Family | 4 | F, Sp, Su |
| SOC 204 | Urban Sociology | 4 | As needed |
| SOC 207 | Crime and Criminal Justice | 4 | F, Sp, Su |
| SOC 208 | The Sociology of Race and Ethnicity | 4 | F, Sp, Su |
| SOC 217 | Sociology of Aging | 4 | F, Sp, Su |

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General Education Categories

Courses that fulfill General Education requirements have the appropriate notation in the course description following credit hours:

Gen. Ed. Category **A** (Arts—Visual and Performing)

Gen. Ed. Category **C** (Connections)

Gen. Ed. Category E (Elective)

Gen. Ed. Category **FYS** (First Year Seminar)

Gen. Ed. Category **FYW** (First Year Writing)

Gen. Ed. Category **H** (History)

Gen. Ed. Category **L** (Literature)

Gen. Ed. Category **M** (Mathematics)

Gen. Ed. Category **NS** (Natural Science)

Gen. Ed. Category **SB** (Social and Behavioral Sciences)

**W**indicates the course meets the Writing in the Disciplines requirement

Transfer Students

Transfer Students may determine their status with respect to General Education requirements by inquiring at the Office of Undergraduate Admissions or at the Office of the Dean of the Faculty of Arts and Sciences. For more information, see the college’s admissions website: https://www.ric.edu/admissions-financial-aid/undergraduate-admissions

General Education Honors

To complete General Education Honors, students must take a minimum of five General Education courses in specially designed honors sections. Courses chosen normally include the Honors Core, which consists of Honors First Year Seminar, Honors First Year Writing, and Honors Connections (taken after FYS 100H and FYW 100H). Other honors courses are offered in various disciplines as Distribution requirements. Although honors courses are reserved for students in the General Education Honors Program, if space permits and with the permission of the director of honors, other students may take honors sections. For more information, write or call the director of honors.

Outcomes for General Education

Each course in General Education addresses several outcomes. Students who complete the General Education program will encounter each outcome at least once at an introductory level. No introductory course can fully meet an outcome. Rather, every course introduces or develops several outcomes. Relevant outcomes are addressed at a higher level within the advanced work of the respective majors.

1.    **Written Communication Students** will understand the different purposes of writing and employ the conventions of writing in their major fields. Students will produce writing that is well organized, supported by evidence, demonstrates correct usage of grammar and terminology, and is appropriate to the academic context.

2.    **Critical and Creative Thinking Students** will be able to analyze and interpret information from multiple perspectives, question assumptions and conclusions, and understand the impact of biases, including their own, on thinking and learning.

3.    **Research and Information Literacy Students** will demonstrate the ability to access, understand, evaluate, and ethically use information to address a wide range of goals or problems.

4.    **Oral Communication Students** will learn to speak in a clearly expressed, purposeful, and carefully organized way that engages and connects with their audience.

5.    **Collaborative Work Students** will learn to interact appropriately as part of a team to design and implement a strategy to achieve a team goal and to evaluate the process.

6.    **Arts Students** will demonstrate through performance, creation, or analysis an ability to interpret and explain the arts from personal, aesthetic, cultural, and historical perspectives.

7.    **Civic Knowledge Students** will gain knowledge of social and political systems and of how civic engagement can change the environment in which we live.

8.    **Ethical Reasoning Students** will demonstrate an understanding of their own ethical values, other ethical traditions from diverse places and times, and the process of determining ethical practice.

9.    **Global Understanding Students** will analyze and understand the social, historical, political, religious, economic, and cultural conditions that shape individuals, groups, and nations and the relationships among them across time.

10.  **Quantitative Literacy Students** will demonstrate the ability to: (1) interpret and evaluate numerical and visual statistics, (2) develop models that can be solved by appropriate mathematical methods, and (3) create arguments supported by quantitative evidence and communicate them in writing and through numerical and visual displays of data, including words, tables, graphs, and equations.

11.  **Scientific Literacy Students** will understand how scientific knowledge is uncovered through the empirical testing of hypotheses; be familiar with how data is analyzed, scientific models are made, theories are generated, and practical scientific problems are approached and solved; have the capacity to be informed about scientific matters as they pertain to living in this complex world; and be able to communicate scientific knowledge through speaking and writing.

Course Descriptions:

Africana Studies

AFRI 262 - Cultural Issues in Africana Studies (4)

A variable topics course in which students will take a critical and empowering look at various cultural topics (e.g. music, sport, and film) regarding people of African descent.

General Education Category: Connections

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

Anthropology

ANTH 235 - Bones and Stones: How Archaeologists Know (4)

Students learn about scientific and mathematical tools used to investigate archeological questions like, how old are these bones, how were those tools used, and what did ancient people eat?.

General Education Category: Elective (E).

Prerequisite: Completion of any mathematics or natural science general education distribution.

Offered: Annually.

ANTH 237 - Measuring Inequality, Analyzing Injustice (4)

Students use a variety of anthropological methods to characterize the lived experiences of people. Students learn about these methods and how they can be analyzed to understand inequality and injustice.

General Education Category: Elective (E).

Prerequisite: Completion of any general education MATH distribution course.

Offered: Annually.

ANTH 261 - The Complexities of Global Health (4)

Students examine contemporary global health policies and interventions, the methods used across disciplines in the field of global health and their distinct histories and impacts in communities around the world.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

ANTH 262 - Indigenous Rights and the Global Environment (4)

Using a cross-cultural and interdisciplinary approach, students will examine and comment critically on human rights and global environmental issues as they intersect and impact indigenous peoples across the world.

General Education Category: Connections

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

ANTH 265 - Anthropological Perspectives on Childhood (4)

Using comparative evolutionary, historical, and cross-cultural approaches, students examine patterns of pregnancy, childbirth and child-rearing, child development, the role of children, and how children become members of their society.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

ANTH 266 - Anthropological and Indigenous Perspectives on Place (4)

Using a comparative historical and cross-cultural approach, students examine various indigenous peoples' ideas about place, and through critical inquiry learn to develop and express their own "sense of place."

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

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ANTH 306 - Primate Ecology and Social Behavior (4)

Captive and field studies are examined to illustrate common features of nonhuman primates. Topics include biological and social adaptations, such as diet, communication, dominance hierarchies, social learning, and cognition.

General Education Category: Elective (E).

Prerequisite: Completion of any mathematics or natural science general education distribution.

Offered: Fall, Spring.

ANTH 307 - Human Nature: Evolution, Ecology, and Behavior (4)

The behavior and ecology of humans are explored within the framework of evolutionary theory, focusing on the selective pressures of cooperation, conflict, food, predators, disease, sociality, and reproduction.

General Education Category: Elective (E).

Prerequisite: Completion of any mathematics or natural science general education distribution.

Offered: Fall, Spring.

Art

ART 261 - Art and Money (4)

This course explores the many intersections of the spheres of art and money in the Western tradition through looking at art, readings in art history, art economics, history, and literature.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Spring.

ART 262 - Encounters with Global Arts (4)

Students explore thematic connections of art made in Africa, Asia, the Americas, the Pacific and Europe through analysis of art objects and texts in art history.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall.

Biology

BIOL 261 - The World's Forests (4)

Interactions between people and the three major types of forests of the world (boreal, temperate, and tropical) are explored from historical, ecological, cultural, socioeconomic, environmental, and ethical perspectives.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall (even years).

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BIOL 314 - Genetics (4)

A balanced treatment of classical Mendelian concepts, population topics, and the recent advances in molecular genetics are presented. Lecture and laboratory. 6 contact hours.

General Education Category: Elective (E).

Prerequisite: BIOL 111 and BIOL 112, with a grade of C or better.

Offered: Fall.

BIOL 318 - Ecology (4)

The ecosystem is introduced. Emphasis is on how the interaction of environmental factors has shaped, influenced, and controlled the distribution of biomes, communities, and populations. Lecture, laboratory, and field trips. 6 contact hours.

Prerequisite: : BIOL 111 and BIOL 112, with a grade of C or better, and BIOL 213 or BIOL 213W.

Offered: Fall.

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BIOL 330 - Developmental Biology of Animals (4)

A descriptive and experimental approach is applied to animal ontogeny, with consideration of cell fate determination, differentiation, morphogenesis, and pattern formation. Lecture and laboratory. 6 contact hours.

Prerequisite: BIOL 111, BIOL 112, with a grade of C or better and BIOL 314.

Offered: As needed.

BIOL 335 - Human Physiology (4)

Basic principles of physiology are introduced, with emphasis on homeostatic mechanisms. Attention is given to the functions of organ systems and coordination in the whole human organism. 6 contact hours.

General Education Category: Elective (E).

Prerequisite: BIOL 111 and BIOL 112, with a grade of C or better, or BIOL 108, with a grade of C or better and BIOL 231.

Offered: Fall, Spring, Summer.

Chemistry

CHEM 104 - General Chemistry II (4)

Topics include states of matter, solutions, kinetics, acids and bases, equilibrium theory, thermodynamics, and electrochemistry. Lecture and laboratory. 7 contact hours.

General Education Category: Elective (E).

Prerequisite: CHEM 103 or equivalent with a minimum grade of C-.

Offered: Spring, Summer.

CHEM 104H - Honors General Chemistry II (4)

For students with a good background in science and mathematics. Topics are listed in and experiments are similar to CHEM 104, with increased emphasis on instrumentation and independent work. Lecture and laboratory. 7 contact hours.

General Education Category: Elective (E).

Prerequisite: CHEM 103H or equivalent with a minimum grade of C-.

Offered: As Needed.

CHEM 105 - General, Organic and Biological Chemistry I (4)

General chemistry in preparation for studying organic and biochemistry is introduced, including structure, bonding, energy, reactions, rates, equilibrium, acids and bases; and from organic chemistry, alkanes and alkenes. Lecture and laboratory. 6 contact hours.

General Education Category: Natural Science.

Prerequisite: Completed college mathematics competency or appropriate score on the math placement exam.

Offered: Fall, Spring, Summer.

CHEM 106 - General, Organic, and Biological Chemistry II (4)

Topics include alcohols, carbonyl compounds, amines, amides, carbohydrates, lipids, proteins, enzymes, bioenergetics, catabolism, biosynthesis, nucleic acids, hormones, and neurotransmitters. Lecture and laboratory. 6 contact hours.

General Education Category: Elective (E).

Prerequisite: CHEM 104 or CHEM 105 with a minimum grade of C-.

Offered: Fall, Spring, Summer.

Communications

OMM 261 - Issues in Free Speech (4)

Free speech issues are critically examined in historical and cultural context. Emphasis is on American law and circumstances compared to those of selected non-Western countries.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.

COMM 262 - Dialect: What We Speak (4)

This course explores the variability within a human language as influenced by geography, history, social class, gender, age, ethnicity, and cultural identity.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: As needed.

COMM 263 - East Asian Media and Popular Culture (4)

Examination of cultural forms in China, Japan, and Korea by studying socio-political and cultural implications of transnational flows between East Asia and the West through various forms of media.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Spring, Summer.

Computer Science

CSCI 416 - Web Design (4)

Students are introduced to concepts, issues and techniques related to designing website interfaces using a variety of tools. Study includes HTML, CSS, and JavaScript. Students cannot receive credit for both CIS 416 and CSCI 416.

Prerequisite: CSCI 157 or CIS 301.

Offered: Spring.

CSCI 423 - Analysis of Algorithms (4)

Techniques for designing algorithms and analyzing their efficiency are covered. Topics include "big-oh" analysis, divide-and-conquer, greedy method, efficient sorting and searching, graph algorithms, dynamic programming, and NP-completeness.

General Education Category: Elective (E).

Prerequisite: CSCI 209 or MATH 436; either CSCI 212 or CSCI 212W, or CSCI 315; and MATH 212.

Offered: Fall (odd years), Spring.

Data Science

DATA 245 - Principles of Data Science (4)

Students will be introduced to statistical computing using an appropriate software package. Topics include techniques for visualizing and managing data, statistical modeling including regression, and ANOVA.

General Education Category: Elective (E).

Prerequisite: MATH 240 or MATH 248

Offered: Fall, Spring.

English

ENGL 118 - Introduction to the Literary Experience (4)

This course provides students with a rich experience of literature from a variety of periods and genres, exploring the questions of what literature is and how texts make meaning.

General Education Category: Literature/Language (LL).

Offered: As needed.

ENGL 120 - Studies in Literature and Identity (4)

This course provides students with a rich experience of literature from a variety of periods and genres that explores issues of identity.

General Education Category: Literature/Language (LL).

Offered: Fall, Spring, Summer.

ENGL 121 - Studies in Literature and Nation (4)

This course provides students with a rich experience of literature from a variety of periods and genres that explores issues of nationality and nationhood.

General Education Category: Literature/Language (LL).

Offered: Fall, Spring, Summer.

ENGL 122 - Studies in Literature and the Canon (4)

This course provides students with a rich experience of literature from a variety of periods and genres that explores canonical issues.

General Education Category: Literature/Language (LL).

Offered: Fall, Spring, Summer.

ENGL 123 - Studies in Literature and Genre (4)

This course provides students with a rich experience of literature from a variety of periods and genres that explores generic issues.

General Education Category: Literature/Language (LL).

Offered: Fall, Spring, Summer.

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ENGL 261 - Arctic Encounters (4)

Students examine narratives of cultural contact, both “factual” and “fictional,” between European “explorers” of the Arctic and native peoples in the comparative context of European colonialism and emergent native literatures.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: As needed.

ENGL 263 - Zen East and West (4)

Students explore Zen and its way of mindful "unknowing" from Eastern and Western expressions. Students read and write about literature, film, and representative works of Zen Buddhism from across time and across cultures.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Spring (alternate years).

ENGL 264 – American Persuaders (4)

Connections across time and culture are explored as students analyze, examine, and compare the words, ideas, and arguments of persuaders who have influenced American society, politics, and culture.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.

ENGL 265 - Women's Stories across Cultures (4)

Contemporary narratives by women from various world cultures are compared. Focus is on women's struggles for identity and their diverse modes of telling stories, including fiction, film, memoir, and comics.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW or 100P/FYW 100H.

Offered: As needed.

ENGL 267 - Books that Changed American Culture (4)

Students will read and discuss selected fiction and nonfiction bestsellers that had a profound influence on twentieth-century American society.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW or 100P/FYW 100H.

Offered: Alternate years.

Environmental Studies

ENST 261 - Climate change and YOU (4)

Students will explore the historical, economic implications, scientific evidence and societal repercussions of climate change to evaluate how climate change affects life now and in the future.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Summer.

Film Studies

FILM 262 - Cross-Cultural Projections: Exploring Cinematic Representation (4)

Focus is on cross-cultural representation in film. Students analyze how American cinema has represented other cultures and how other cultures have represented themselves and/or the United States. Topic varies.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: As needed.

French

FREN 115 - Literature of the French-Speaking World (4)

Students are introduced to techniques of literary analysis through readings from France and the Francophone World as they continue to develop speaking, reading, and writing skills in French.

General Education Category: Literature/Language (LL).

Prerequisite: FREN 113 or equivalent, or consent of department chair.

Offered: Fall, Spring.

Gender Studies

GEND 261 - Resisting Authority: Girls of Fictional Futures (4)

Young adult dystopian novels examine adolescent angst across the backdrop of authoritarian oppression, often featuring a female hero. Students will analyze classic and contemporary texts through a gender perspective.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Spring (alternate years).

GEND 262 - Lights, Camera, Gender!: Gender in Film (4)

Students explore how American movies represent and construct femininities and masculinities, by looking at representations of gender in films from various genres and decades.

General Education Category: Connections (C)

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall.

General Education

GED 262 - Native American Narratives (4)

Contemporary Native American literary genres by indigenous authors/artists in the United States and Canada are introduced and analyzed using narrative theory.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

Geography

GEOG 201 - Mapping Our Changing World (4)

Basic mapping theories, models, and techniques enable students to become knowledgeable, critical consumers of the geographic data that is promulgated by government, industry, and the popular media.

General Education Category: Elective (E).

Prerequisite: Gen. Ed. Mathematics.

Offered: Fall, Spring.

GEOG 202 - Geographic Information Systems I (4)

Introductory concepts and techniques, with hands-on laboratory experience, enable students to produce their own GIS maps of human and environmental phenomena.

Offered: Spring.

GEOG 205 - Earth's Physical Environments (4)

Atmospheric, oceanic, and landform processes are studied as they shape and give character to the surface of the earth.

General Education Category: Elective (E).

Prerequisite: Gen. Ed. Mathematics.

Offered: Fall, Spring.

Health Science

HSCI 232 – Human Genetics (4)

Human genetics and biotechnology are presented in the context of health care and public health policy. These topics are explored using problem-based learning and case studies.

General Education Category: Elective (E).

Prerequisite: BIOL 100, BIOL 108, or BIOL 111.

Offered: Fall.

History

HIST 101 - Multiple Voices: Africa in the World (4)

Students examine the historian's craft by studying pivotal events highlighting the historical relationship between Africa and the world.

General Education Category: History/Philosophy.

Offered: Fall, Spring, Summer.

HIST 102 - Multiple Voices: Asia in the World (4)

Students examine the historian's craft by studying pivotal events highlighting the historical relationship between Asia and the world.

General Education Category: History/Philosophy.

Offered: Fall, Spring, Summer.

HIST 103 - Multiple Voices: Europe in the World to 1600 (4)

Students examine the historian's craft by studying pivotal events highlighting the historical relationship between Europe and the world to 1600.

General Education Category: History/Philosophy.

Offered: Fall, Spring, Summer.

HIST 104 - Multiple Voices: Europe in the World Since 1600 (4)

Students examine the historian's craft by studying pivotal events highlighting the historical relationship between Europe and the world since 1600.

General Education Category: History/Philosophy.

Offered: Fall, Spring, Summer.

HIST 105 - Multiple Voices: Latin America in the World (4)

Students examine the historian's craft by studying pivotal events highlighting the historical relationship between Latin America and the world.

General Education Category: History/Philosophy.

Offered: Fall, Spring, Summer.

HIST 106 - Multiple Voices: Muslim People in the World (4)

Students examine the historian's craft by studying pivotal events highlighting the historical relationship between Muslim peoples and the world.

General Education Category: History/Philosophy.

Offered: Fall, Spring, Summer.

HIST 107 - Multiple Voices: The United States in the World (4)

Students examine the historian's craft by studying pivotal events highlighting the historical relationship between the United States and the world.

General Education Category: History/Philosophy.

Offered: Fall, Spring, Summer.

HIST 108 - History of Science and Medicine (4)

Students examine the ideas and practices that define science and medicine and their relationships with society and culture, using examples from a variety of historical contexts.

General Education Category: History/Philosophy.

Offered: Annually.

HIST 117 - Special Topics in History (4)

This course introduces students to historical themes within a particular era or period such as European history, Western civilization or the holocaust.

General Education Category: History/Philosophy.

Offered: As needed.

HIST 118 - Topics in U.S. History to 1877 (3)

This course provides an in-depth study of the history of the United States up to 1877 through five strands of history: political, economic, religious, social and intellectual.

General Education Category: History/Philosophy.

Offered: As needed.

HIST 119 - Topics in U.S. History from 1877 to Present (3)

This course provides an in-depth study of the history of the United States from 1877 to the present through five strands of history: political, economic, religious, social and intellectual.

General Education Category: History/Philosophy.

Offered: As needed.

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HIST 207 - History Through Numbers (4)

This course uses statistics to enable students to broaden their historical reasoning so as to better assess the multiplicity of human, institutional, and environmental factors creating present and past historical reality.

General Education Category: Elective (E).

Prerequisite: Completion of any mathematics general education distribution, and one of the following: HIST 101, HIST 102, HIST 103, HIST 104, HIST 105, HIST 106, HIST 107, HIST 108.

Offered: Fall, Spring

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HIST 263 - Christianity (4)

This course explores the historical evolution of the traditions and practices of Christianity in diverse geographical and cultural settings from its biblical origins to the present.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

HIST 265 - Post-1945 Conflicts in Africa and Globally (4)

Students examine the history of conflict and conflict resolution in Africa and around the world since 1945. They will analyze the political, economic, social, cultural, and environmental dimensions of strife.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually

HIST 267 - Personal Memories of the World Wars (4)

Students examine personal experiences of living, serving, or suffering in the World Wars, by analyzing memoirs, fiction, and films.  They compare how gender, race, ethnicity, and class, influence war memories.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.

HIST 268 - Civil Rights and National Liberation Movements (4)

This course emphasizes a global approach to American history that places movements of national liberation, exemplified by Vietnam, Cuba, and Guinea Bissau, and the American Civil Rights movement, in context.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.

HIST 269 - Jazz and Civil Rights: Freedom Sounds (4)

This course explores the evolution of jazz from bebop through free jazz, emphasizing the relationship between music and social change, in particular the civil rights movement, domestically and internationally.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

HIST 272 - Globalization, 15th Century to the Present (4)

This course examines the traditional interpretation of the "Rise of the West" as an inevitable historical process by exploring the essential contributions of diverse global societies to contemporary globalization.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

HIST 273 - Latin America and Globalization, 1492-Present (4)

A history of globalization's impact on Latin America from 1492 to the present through a cross-cultural analysis of the interactions of Latin America with Europe, Africa, and Asia.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.

HIST 274 - The History of the Dominican Republic (4)

Students analyze the rise of the Dominican Republic’s multi-racial society from 1492 to the present. The Trujillo dictatorship and Dominican baseball are among the issues explored.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.

HIST 275 - Russia from Beginning to End (4)

Course highlights major events in Russian civilization such as the Mongols, tsars, imperial Russia, Soviet communism, World War II, and Russia today, through art, architecture, history, literature, and music.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

Italian

ITAL 115 - Literature of Italy (4)

Students are introduced to techniques of literary analysis through readings from various periods of Italian literature as they continue to develop speaking, reading, and writing skills in Italian.

General Education Category: Literature/Language (LL).

Prerequisite: ITAL 113 or equivalent, or consent of department chair.

Offered: Fall, Spring.

Management

MGT 249 - Business Statistics II (4)

A continuation of MATH 240 or MATH 248, emphasis is on applied statistics, both parametric and nonparametric. Students cannot receive credit for both MGT 249 and either MATH 241 or 445.

General Education Category: Elective (E).

Prerequisite: MATH 240 or 248.

Offered: Fall, Spring, Summer.

Mathematics

MATH 213 - Calculus II (4)

A continuation of MATH 212, topics include derivatives and integrals of logarithmic, exponential, and inverse trigonometric functions; techniques of integration; infinite series; and related applications.

General Education Category: Elective (E).

Prerequisite: MATH 212

Offered: Fall, Spring, Summer.

MATH 220 - Formalizing Mathematical Thought (4)

This course is an introduction to abstract and generalized thinking including formal mathematical proof. Students cannot receive credit for MATH 220 if credit was received for MATH 300.

Prerequisite: MATH 143, MATH 144, and MATH 209.

Offered: Fall (alternate years - even-numbered years.)

MATH 239 - Contemporary Topics in Mathematics II (4)

Topics studied include, and are not limited to: applications to management, electoral politics and fair and equitable conflict resolution.

General Education Category: Elective (E).

Prerequisite: MATH 139 or consent of department chair.

Offered: Fall, Spring, Summer.

MATH 240 - Statistical Methods I (4)

Descriptive statistics; confidence intervals and hypothesis testing; random variables; estimations and tests of significance; and correlation and regression are studied. Students cannot receive credit for both MATH 240 and MATH 248.

General Education Category: Mathematics.

Prerequisite: Completed college mathematics competency or appropriate score on the mathematics placement exam.

Offered: Fall, Spring, Summer.

MATH 241 - Statistical Methods II (4)

Continuation of MATH 240 at elementary level. Covers analysis of variance, multiple regression, and non-parametric statistics. Emphasis on large data sets being analyzed through computer software, and interpretation of results. Students cannot receive credit for both MATH 241 and MGT 249, nor for MATH 241 if credit was received for MATH 445.

General Education Category: Elective (E).

Prerequisite: MATH 240

Offered: As needed.

MATH 248 - Business Statistics I (4)

Topics include descriptive statistics, probability distributions, expected values, sampling distributions, and an introduction to estimation and hypothesis testing. Students cannot receive credit for both MATH 240 and MATH 248.

General Education Category: Gen. Ed. Elective (E).

Prerequisite: MATH 177 or consent of department chair.

Offered: Fall, Spring, Summer.

MATH 300W - Bridge to Advanced Mathematics (4)

The standard techniques of deductive proof in mathematics are applied to basic results regarding sets, relations, functions, and other topics.This is a Writing in the Discipline (WID) course.

Prerequisite: MATH 212 or consent of department chair.

Offered: Spring.

MATH 314 - Calculus III (4)

A continuation of MATH 213, this course covers three-dimensional analytic geometry, elementary vector analysis, functions of several variables, partial differentiation, and multiple integration.

Prerequisite: MATH 213.

Offered: Fall, Spring.

MATH 315 - Linear Algebra (4)

Matrices, linear systems, vector spaces, vector geometry, linear transformations, and appropriate applications are covered.

Prerequisite: MATH 300 or MATH 300W, with a minimum grade of C.

Offered: Fall.

MATH 324 - College Geometry (4)

Advanced topics in Euclidean geometry are considered using synthetic, analytic, vector, and transformational formats. Included are axiomatics and non-Euclidean geometry, topics in logic, and methods of proof appropriate for geometry.

General Education Category: Elective (E).

Prerequisite: MATH 212.

Offered: Spring.

Music

This course will investigate the history and aesthetics of music and multimedia through five constituent aspects: integration, interactivity, hypermedia, immersion, and narrativity through readings as well as selected media works.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: As needed.

Nursing

NURS 262 - Substance Abuse as a Global Issue (4)

The global issue of substance abuse is analyzed through the lens of from multicultural factors influencing human behavior. Students explore concepts related to dynamic processes operating when substances are abused.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall.

NURS 264 - Status of the World's Children (4)

The impact of cultural identity and heritage of children around the world is analyzed. Global issues of child exploitation and the global effort to halt that exploitation are examined.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

NURS 266 - Health and Cultural Diversity (4)

Health beliefs and practices are examined across cultures. Focus is on the cultural components of health and illness, pain, childbearing, child health, mental illness, disability, aging and death.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

Philosophy

PHIL 220 - Logic and Probability in Scientific Reasoning (4)

Natural and social sciences require probabilistic reasoning, with special logical features. This course studies general principles of logic, special principles of probabilistic reasoning, their scientific applications, and common probabilistic fallacies.

General Education Category: Elective (E).

Prerequisite: Completion of any Mathematics or Natural Science general education distribution.

Offered: Fall, Spring.

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PHIL 261 - Philosophy of Health and Well-Being (4)

Connections across traditional practices and recent developments concerning human health through philosophical concepts of health and well-being, plus ethical principles such as welfare, autonomy, and justice.This is a critical inquiry into ethical issues in health care. Moral theories from both Western and non-Western traditions are discussed and applied to issues in health care.

General Education Category: Connections

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

PHIL 262 - Freedom and Responsibility (4)

This class examines the nature of free will. What is it? Is it necessary for moral responsibility? Do we have it? And if not, what should we do about it?

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

PHIL 263 - The Idea of God (4)

Concepts of Divinity are critically examined. Issues include polytheism, monotheism, atheism, gender and the God(ess). Students are challenged to critically examine their own ideas through various philosophical and religious traditions.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

PHIL 265 - Philosophical Issues of Gender and Sex (4)

Philosophical questions concerning the concepts of sex and gender are explored. Readings will be drawn from philosophical texts and from a number of related disciplines.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

PHIL 266 - Asian Philosophies: Theory and Practice (4)

Study of philosophical themes and practical implications (personal and communal) in Asian cultures. Issues include concepts of life and death, origins and nature of reality, and standards of ethical relations.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

Physical Science

PSCI 204 - Understanding the Physical Universe (4)

Fundamental principles in physical science such as force, energy, cycles and the structure of matter are introduced and used to investigate varied applications and current issues in the physical sciences. 5 contact hours.

General Education Category: Elective (E).

Prerequisite: BIOL 100 and MATH 144 or consent of instructor.

Offered: Fall, Spring, Summer.

PSCI 207 - Introduction to Environmental Chemistry (3)

The flow of material and energy through the Earth system is introduced. Principles of element cycles, climate science, and coastal processes are also investigated.

Offered: Annually.

PSCI 208 - Forensic Science (4)

Students learn about modern forensic techniques used in crime scene analysis. Emphasis is on the methods used to collect and interpret crime scene data.

General Education Category: Elective (E).

Prerequisite: Any Mathematics or Natural Science.

Offered: Fall, Spring.

PSCI 211 - Introduction to Astronomy (4)

Our solar system, the sun and other stars, galaxies, and the universe are explored. Astronomical phenomena are explained using basic physical principles. Lecture and laboratory.

General Education Category: Natural Science.

Prerequisite: Completed college mathematics competency or appropriate score on the math placement exam.

Offered: Fall, Spring.

PSCI 212 - Introduction to Geology (4)

Focus is on the structure and composition of the earth and the processes that have shaped the earth. Topics include minerals, origin of magma, volcanic activity, and weathering and soil formation. Lecture and laboratory.

General Education Category: Natural Science.

Prerequisite: Completed college mathematics competency or appropriate score on the math placement exam.

Offered: Fall, Summer.

PSCI 214 - Introduction to Meteorology (4)

This class focuses on the structure, composition and phenomena of the atmosphere. Students examine local and global scale weather patterns, and century to millennial scale climate change.

General Education Category: Elective (E).

Prerequisite: Completion of any mathematics or natural science general education distribution.

Offered: Fall.

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PSCI 262 - Space: The Final Frontier (4)

Students explore the cultural impacts on the imagination of space, the science and technological discoveries for space science, and how space has fueled science fiction literature, film and popular culture.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

Physics

PHYS 102 - Physics for Science and Mathematics II (4)

This mathematically intensive course includes electrostatics, DC and AC circuits, magnetism, electromagnetic waves, optics and an introduction to atomic and nuclear physics. Lecture and laboratory. 6 contact hours.

General Education Category: Elective (E).

Prerequisite: PHYS 101.

Offered: Fall, Spring, Summer.

PHYS 103 - Calculus Applications in Mechanics (1)

Students explore calculus-based topics in mechanics including kinematics, work and potential energy, momentum, rotational motion and simple harmonic motion.

Prerequisite: MATH 212, PHYS 101.

Offered: Fall.

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PHYS 120 - The Extraordinary Physics of Ordinary Things (4)

Students will learn about physical principles governing everyday applications and phenomena such as sports, musical instruments, computers, etc. Students will see how various physical principles work together in these technologies.

General Education Category: Elective (E).

Prerequisite: Completion of any mathematics general education distribution.

Offered: Spring.

PHYS 307 - Quantum Mechanics I (4)

Topics include relativistic mechanics, the failures of classical physics, the structure of the atom, and the wave description of matter, including the Schrödinger Equation, the hydrogen atom, angular momentum and spin. Lecture

Prerequisite: PHYS 102.

Offered: Spring (odd years).

PHYS 309 - Nanoscience and Nanotechnology (4)

This course will introduce the basic physics of nanoscience, describe how properties change at the nanoscale and relate this basic science to new nanotechnologies**.**

General Education Category: Elective (E).

Offered: Fall (even years).

Political Science

POL 262 - Power and Community (4)

Students study normative and empirical aspects of the concepts of “power” and “community.” Examples of power relations in a variety of contexts and settings will be compared.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

POL 265 - Politics and Popular Culture: Global Perspectives (4)

Students investigate the intersection of politics and popular culture in Western and non-Western societies by examining entertainment values, their relationship to political culture and behavior, and the debate over globalization.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.

POL 267 - Immigration, Citizenship, and National Identity (4)

Students investigate how different societies have dealt with citizenship and immigration issues and how conceptions of nationhood influence citizenship and immigration debates.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

POL 300 - Methodology in Political Science (4)

The approaches and methods of empirical political science research are surveyed. Emphasis is on research design, data collection, and interpretation.

General Education Category: Elective (E).

Prerequisite: POL 202 and any Gen. Ed. Mathematics course, or consent of department chair.

Offered: Fall, Spring.

Portuguese

PORT 115 - Literature of the Portuguese-Speaking World (4)

Students are introduced to techniques of literary analysis through readings from Portugal and the Lusophone World as they continue to develop speaking, reading, and writing skills in Portuguese.

General Education Category: Literature/Language (LL).

Prerequisite: PORT 113 or equivalent, or consent of department chair.

Offered: Fall, Spring.

Social Work

SWRK 303 - Social Work Research Methods II (4)

Students develop data collection and analysis skills. Students conduct qualitative (single-subject case study) and quantitative (aggregate) data analyses, and learn strategies for using analytic software.

General Education Category: Elective (E).

Prerequisite: Completion of any mathematics general education distribution, and SWRK 302 or SWRK 302 W or consent of department chair.

Offered: Fall, Spring, Summer.

Sociology

SOC 262 - Sociology of Money (4)

Spending and saving are analyzed on the institutional background of money creation and circulation. The issues are approached from a variety of perspectives represented in scholarly literature. This course will not count toward the sociology major.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring, Summer.

SOC 264 - Sex and Power: Global Gender Inequality (4)

The unequal access of women and men to socially valued resources is explored through the lens of race, class, and ethnicity, and from cross-cultural and historical perspectives. This course will not count toward the sociology major.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring

SOC 267 - Comparative Perspectives on Higher Education (4)

Comparative interdisciplinary exploration of contemporary and historical issues in higher education. Uses the RIC experience as a case study for analyzing current controversies around colleges and universities.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Even years.

SOC 268 - Genocide, Atrocity and Prevention (4)

Students use case studies to explore the premise that genocides and other mass atrocities are processes and apply this framing to open critical space for discussions about prevention. This course will not count toward the sociology major.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.

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SOC 302W - Social Research Methods (4)

Social research methods are examined, with emphasis on the connection between theory and research, values and ethical issues in research, study design, conceptualization, measurement, and methods of data collection. This is a Writing in the Discipline (WID) course.

General Education Category: Elective (E).

Prerequisite: Any 200-level sociology course and completion of Mathematics Gen. Ed. distribution requirement, or consent of department chair.

Offered: Fall, Spring, Summer.

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SOC 404 - Social Data Analysis (4)

Students develop skill in the preparation, analysis, and interpretation of data and in the use of technology in the research process. Lecture and laboratory. 4 contact hours.

General Education Category: Elective (E)..

Prerequisite: Any 200-level sociology course; POL 300 or SOC 302; and any Gen. Ed. Mathematics course, or consent of department chair.

Offered: Fall, Spring, Summer.

Spanish

SPAN 115 - Literature of the Spanish-Speaking World (4)

Students are introduced to techniques of literary analysis through readings from Spain and Latin America as they continue to develop speaking, reading, and writing skills in Spanish.

General Education Category: Literature/Language (LL).

Prerequisite: SPAN 113 or equivalent, or consent of department chair.

Offered: Fall, Spring.

Sustainability Studies

SUST 261 - Exploring Nature Through Art, Science, Technology (4)

Students develop environmental awareness of local ecology, cultivating a deepened sense of personal connection with the natural world, through art, writing, technology, and scientific exploration. No prior artistic experience is required.

General Education Category: Connections

Prerequisite: FYS and FYW 100/FYW 100P/FYW 100H.

Offered: Fall, Spring.

Technical Education

TECH 306 - Automation and Control Systems (4)

Students study automation and control systems to create efficient technological systems.  Activities include CNC, 3D printing, laser cutting/etching and pneumatics to support appropriate technological problem solving and decision-making opportunities.

General Education Category: Elective (E).

Prerequisite: Completion of any mathematics or natural science general education distribution.

Offered: Annually.

Theatre

THTR 261 - Contemporary Black Theatre: Cultural Perspectives (4)

African American theatre in America and English-speaking Africa since the 1960s is studied, with emphasis on representative plays, playwrights, movements, and artists.

General Education Category: Connections.

Prerequisite: FYS 100 and FYW 100/FYW 100P/FYW 100H.

Offered: Annually.