## HONORS COLLEGE (HC)

### ACTG 378H. ACCOUNTING INFORMATION MANAGEMENT. (4 Credits)
Introduces students to the field of information management. Topics include information systems technology, the strategic role of IT, the business applications of networks, databases and Internet technologies, the system life cycle model, systems analysis and design methodologies, and the development and implementation of information systems. Lec/ rec.
**Attributes:** HNRS – Honors Course Designator

**Prerequisites:** BA 213 with C or better and BA 302 [C] and (BA 275 [C] or BA 276 [C])

**Equivalent to:** ACTG 378

### AEC 250H. *INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY. (3 Credits)
Examines how economic forces and social institutions cause environmental degradation and help build management solutions. Explains key economic concepts for valuing environmental resources and evaluating the trade-offs of alternative management approaches from private markets to regulation. Applies the concepts and theories to topical environmental issues such as water pollution and conserving biodiversity. (Bacc Core Course)
**Attributes:** HNRS – Honors Course Designator

**Equivalent to:** AEC 250

### AEC 399H. SPECIAL TOPICS. (1-4 Credits)
Targeted courses that focus on specific topics in agricultural and resource economics. Topics may vary from term to term and from year to year. May be repeated for credit when topics differ.
**Attributes:** HNRS – Honors Course Designator

**Equivalent to:** AEC 250

### AEC 407H. SEMINAR. (1-16 Credits)
**Attributes:** HNRS – Honors Course Designator

**Equivalent to:** AEC 407

### ALS 199H. SPECIAL TOPICS. (0-3 Credits)
Graded P/N.

**Attributes:** HNRS – Honors Course Designator

**Equivalent to:** ALS 199

### ANS 121H. *INTRODUCTION TO ANIMAL SCIENCES. (4 Credits)
Principles of breeding, physiology, nutrition, and management as they apply to modern livestock and poultry production. Lec/lab. (Bacc Core Course)

**Attributes:** CPBS – Core, Pers, Biological Science; HNRS – Honors Course Designator

**Equivalent to:** ANS 121

### ANTH 251H. *LANGUAGE IN THE USA. (3 Credits)
Examines the linguistic aspects of ethnic, class, and gender differences in the United States of America, with a focus on language attitudes. Uses both oral and written materials and quantitative and qualitative approaches. (Bacc Core Course)

**Attributes:** CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator

**Equivalent to:** ANTH 251
ANTH 318H. *PEOPLES OF THE WORLD—CHINA. (3 Credits)
Survey of peoples around the world. Early settlement, cultural history, ecological adaptations, population, family and gender roles, religious ideology, political and economic systems, modern social changes, and contemporary issues pertaining to indigenous peoples in culturally distinct regions of the world. Emphasis is placed on dispelling stereotypic images, both past and present. (NC) (Bacc Core Course)
Attributes: CPDC – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core
Prerequisites: ANTH 110 with D- or better or ANTH 210 with D- or better
Equivalent to: ANTH 318

ANTH 374H. *ANTHROPOLOGY AND GLOBAL HEALTH. (3 Credits)
An overview of historical and contemporary issues in gender health with emphasis on politics, globalization, and the complex outcomes of interventions in diverse cultural settings. Students will articulate a critical and evidence-based perspective on complex global health issues. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator
Equivalent to: ANTH 374

ANTH 380H. *CULTURES IN CONFLICT. (3 Credits)
Communication and commerce draw East and West, industrial and pre-industrial, state and stateless societies together. Beliefs and values clash and complement one another. Explores the processes of intercultural contact, cross-cultural interaction, and the consequences of global penetration of European-American culture. Evaluates theoretical explanations for cultural persistence and change. (SS) (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACN – Liberal Arts Social Core
Prerequisites: ANTH 110 with D- or better
Equivalent to: ANTH 380

ANTH 383H. *INTRODUCTION TO MEDICAL ANTHROPOLOGY. (3 Credits)
Examines human health and healing systems from evolutionary and cross-cultural perspectives. Using a case study approach, this class explores individual- and population-level experiences of illness and healing, while providing students with the tools to evaluate global disease patterns and international health promotion and education programs. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator
Equivalent to: ANTH 383

ANTH 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ANTH 399
This course is repeatable for 16 credits.

ANTH 432H. *DOMESTICATION, URBANIZATION, AND THE RISE OF CIVILIZATION. (4 Credits)
Reviews the development of culture in the Old and New Worlds with special emphasis placed on the when, where, and how of early domestication of plants and animals. Examines the process of urbanization. (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator
Equivalent to: ANTH 432

ANTH 447H. *ARCTIC PERSPECTIVES ON GLOBAL PROBLEMS. (4 Credits)
The Arctic is on the frontline of today’s most pressing problems. This course uses Arctic perspectives to explore issues affecting us all: climate change, environmental conservation, traditional ecological knowledge, development, energy extraction, indigenous rights, and indigenous media. Using insights from Arctic perspectives, we will plot pathways toward potential solutions. (Bacc Core Course)
Attributes: CPDC – Core, Pers, Cult Diversity; HNRS – Honors Course Designator
Equivalent to: ANTH 447

ANTH 499H. SPECIAL TOPICS IN ANTHROPOLOGY. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ANTH 499
This course is repeatable for 16 credits.

ART 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

ATS 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ATS 399
This course is repeatable for 12 credits.

BA 160H. B-ENGAGED. (3 Credits)
Understand and accomplish college-level academic work and explore OSU resources and options that will enhance your college experience and success. Opportunity to connect with faculty and peers with common interests in a supportive learning environment.
Attributes: HNRS – Honors Course Designator
Equivalent to: BA 160

BA 161H. INNOVATION NATION—AWARENESS TO ACTION. (3 Credits)
First course in a two-course sequence. Begins a conversation on self-management, offering opportunities for active reflection on critical skill sets necessary for success in today’s global market. Builds a foundation of entrepreneurial knowledge and gaining a competitive edge. While becoming aware of your role in managing your own career.
Attributes: HNRS – Honors Course Designator
Equivalent to: BA 161

BA 162H. INNOVATION NATION—IDEAS TO REALITY. (3 Credits)
Second course in a two-course sequence. Topics include evaluating entrepreneurial capabilities, creativity and innovation, opportunity recognition, impression management, and responsible business practices. Continues a conversation on self-management, offering opportunities for active reflection on critical skill sets necessary for success in today’s global market.
Attributes: HNRS – Honors Course Designator
Prerequisites: BA 161 with C- or better or BA 161H with C- or better
Equivalent to: BA 162
BA 211H. FINANCIAL ACCOUNTING. (4 Credits)
Accounting information from the perspective of external users, principally investors and creditors. Emphasis on the preparation and interpretation of financial statements, income recognition and determination, and asset valuation.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 111 with C- or better or MTH 241 with C- or better or MTH 251 with C- or better or MTH 251H with C- or better or Math Placement Test with a score of 24 or Math Placement - ALEKS with a score of 046
Equivalent to: BA 211

BA 213H. MANAGERIAL ACCOUNTING. (4 Credits)
Accounting information from the perspective of management users with an emphasis on data accumulation for product costing, planning, and performance evaluation and control.
Attributes: HNRS – Honors Course Designator
Prerequisites: BA 211 with C- or better or BA 211H with C- or better
Equivalent to: BA 213

BA 230H. BUSINESS LAW I. (4 Credits)
Nature and function of law in our business society. Obligations arising out of agency, contract formation and breach, crimes, torts, warranty, regulation of competition, and international aspects thereof.
Attributes: HNRS – Honors Course Designator
Equivalent to: BA 230

BA 233H. LEGAL ENVIRONMENT OF BUSINESS. (2 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: BA 230

BA 253H. PROFESSIONAL DEVELOPMENT. (4 Credits)
Designed to improve the ability of students to describe their accomplishments and sell their ideas in situations like professional networking, company meetings, response to proposals for services, and interviews. It teaches writing skills and workplace integration for new jobs. Particular emphasis is put on verbal communication and preparation for verbal communication. Students will learn to create career plans that require them to research career options and potential employers, and prepare a developmental roadmap that will lead them to success within the chosen profession.
Attributes: HNRS – Honors Course Designator
Prerequisites: (BA 101 with C- or better or BA 162 with C- or better or DHE 160 with C- or better) and (WR 222 [C-] or WR 323 [C-] or WR 327 [C-] or WR 327H [C-])
Equivalent to: BA 253, BA 281, BA 353, BA 381

BA 275H. FOUNDATIONS OF STATISTICAL INFERENCE. (4 Credits)
An introductory course on statistical inference with an emphasis on business applications. Coverage includes descriptive statistics, random variables, probability distributions, sampling and sampling distributions, statistical inference for means and proportions using one and two samples, and linear regression analysis.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 241 with C- or better or MTH 251 with C- or better or MTH 251H with C- or better or MTH 111 with C- or better or Math Placement - ALEKS with a score of 046
Equivalent to: BA 275, BA 276

BA 281H. PROFESSIONAL DEVELOPMENT. (3 Credits)
Designed to give students an early start on the process of career planning and development. The process involves thoughtful self-assessment, career exploration, planning and follow-through with preliminary employment strategies.
Attributes: HNRS – Honors Course Designator
Prerequisites: (BA 101 with C- or better or BA 162 with C- or better or (BA 230 with C- or better or BA 233 with C- or better) and (ECON 201 [C-] or ECON 201H [C-]) or BA 162 [C-] or BA 162H [C-]
Equivalent to: BA 253, BA 253H, BA 281, BA 353, BA 381

BA 333H. LEGAL AND ETHICAL BUSINESS SOLUTIONS. (2 Credits)
Legal and ethical regulations of U.S. and global business organizations including financial, human resources, operations and marketing functions. Emphasizes legal and ethical strategies for entrepreneurs including business entity selection, raising capital and managing intellectual property.
Attributes: HNRS – Honors Course Designator
Prerequisites: (BA 230 with C- or better or BA 233 with C- or better) and (ECON 201 [C-] or ECON 201H [C-])
Equivalent to: BA 333

BA 347H. INTERNATIONAL BUSINESS. (4 Credits)
Integrated view of international business including current patterns of international business, socioeconomic and geopolitical systems within countries as they affect the conduct of business, major theories explaining international business transactions, financial forms and institutions that facilitate international transactions, and the interface between nation states and the firms conducting foreign business activities.
Attributes: HNRS – Honors Course Designator
Prerequisites: ECON 202 with C- or better or ECON 202H with C- or better
Equivalent to: BA 347

BA 352H. MANAGING INDIVIDUAL AND TEAM PERFORMANCE. (4 Credits)
Diagnose individual and small-group behavior and develop skill in improving individual and small-group performance in entrepreneurial and established ventures. Emphasis on professional skill development and the practical application of theory and research. Concepts of ethics, diversity and cross-cultural relations are integrated throughout the course.
Attributes: HNRS – Honors Course Designator
Prerequisites: COMM 111 with C- or better or COMM 111H with C- or better or COMM 114 with C- or better or COMM 114H with C- or better
Equivalent to: BA 352
BA 354H. *MANAGING ETHICS AND CORPORATE SOCIAL RESPONSIBILITY. (4 Credits)
Introduces contemporary issues that business professionals face making ethical and socially responsible decisions in an increasingly fast-paced, transparent, and global environment. (Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC; HNRS – Honors Course Designator
Prerequisites: (COMM 111 with C- or better or COMM 111H with C- or better or COMM 114 with C- or better or COMM 114H with C- or better) and (WR 222 [C-] or WR 323 [C-] or WR 327 [C-] or HC 199 [C-])
Equivalent to: BA 354, MGMT 459

BA 357H. OPERATIONS MANAGEMENT. (4 Credits)
Decision making in managing the production of goods and services: product planning, process planning, facility planning, control of quantity, cost and quality. Special emphasis on exponential forecasting, inventory management, work methods, project management, productivity improvement, and international comparisons.
Attributes: HNRS – Honors Course Designator
Prerequisites: BA 275 with C- or better or BA 275H with C- or better or BA 276 with C- or better
Equivalent to: BA 357

BA 360H. INTRODUCTION TO FINANCIAL MANAGEMENT. (4 Credits)
Explore the issues facing a financial manager in new business ventures, small businesses, and corporations. Focus on the role of the financial manager in business settings, explores the functions of a financial manager in financial analysis, forecasting, planning, and control; asset and liability management; capital budgeting; and raising funds for new business ventures, small businesses, and corporations.
Attributes: HNRS – Honors Course Designator
Prerequisites: (BA 213 with C- or better or BA 213H with C- or better or BA 215 with C- or better or BA 215H with C- or better) and (ECON 201 [C-] or ECON 201H [C-] or ARCS 250 [C-])
Equivalent to: BA 240, BA 360

BA 375H. APPLIED QUANTITATIVE METHODS. (4 Credits)
Introduces students to the basics of data science and data analytics for handling of large-scale databases. It provides an overview of the main data-analytic techniques and topics including data visualization, linear and nonlinear regression analysis, time series analysis and forecasting, classification, and clustering methods.
Attributes: HNRS – Honors Course Designator
Prerequisites: BA 275 with C- or better
Equivalent to: BA 375

BA 390H. MARKETING. (4 Credits)
Consumer and industrial markets, and activities and enterprises involved in distributing products to those markets. Objective is to develop an understanding of distribution processes, marketing problems, and marketing principles.
Attributes: HNRS – Honors Course Designator
Prerequisites: ECON 201 with C- or better or ECON 201H with C- or better or ARCS 250 with C- or better
Equivalent to: BA 223, BA 390, MK 390

BA 407H. SEMINAR. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: BA 407
This course is repeatable for 16 credits.

BA 465H. *SYSTEMS THINKING AND PRACTICE. (4 Credits)
Hard and soft systems theories are examined, including methods and techniques for dealing with real-world problems; skills and dialogue techniques to identify mindsets, define problems, and explore alternative pathways for solutions.
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator

BB 314H. CELL AND MOLECULAR BIOLOGY. (4 Credits)
Fundamental concepts of prokaryotic and eukaryotic cell biology. Emphasizes cell structure and function at the molecular level. Lec/rec.
Attributes: HNRS – Honors Course Designator
Prerequisites: (BI 211 with C- or better or BI 211H with C- or better) and (BI 212 [C-] or BI 212H [C-]) and (BI 213 [C-] or BI 213H [C-]) and (CH 331 (may be taken concurrently) [C-] or CH 334 (may be taken concurrently) [C-])
Equivalent to: BB 314

BB 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: BB 399
This course is repeatable for 16 credits.

BB 405H. READING AND CONFERENCE. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: BB 405
This course is repeatable for 16 credits.

BB 407H. BIOCHEMISTRY/BIOPHYSICS SEMINAR. (1-16 Credits)
Informal seminars presenting information about research problems and careers and research programs on campus in biochemistry or biophysics.
Attributes: HNRS – Honors Course Designator
Equivalent to: BB 407
This course is repeatable for 99 credits.

BEE 407H. SEMINAR. (1-16 Credits)
Departmental seminars. Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: BEE 407
This course is repeatable for 16 credits.

BEE 499H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: BEE 499
This course is repeatable for 16 credits.

BI 199H. SELECTED TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: BI 199
This course is repeatable for 16 credits.

BI 211H. *PRINCIPLES OF BIOLOGY. (4 Credits)
Origins of life, energy transformations, plant and animal physiology. Lec/lab. (Bacc Core Course)
Attributes: CPBS – Core, Pers, Biological Science; HNRS – Honors Course Designator
Equivalent to: BI 211
BI 212H. *PRINCIPLES OF BIOLOGY. (4 Credits)
Cell biology; organ systems, plant and animal physiology. Lec/lab. (Bacc Core Course)
Attributes: CPBS – Core, Pers, Biological Science; HNRS – Honors Course Designator
Prerequisites: (CH 121 (may be taken concurrently) with D- or better or CH 201 (may be taken concurrently) with D- or better or CH 221 (may be taken concurrently) with D- or better or CH 224H (may be taken concurrently) with D- or better or ((CH 231 (may be taken concurrently) with D- or better or CH 231H (may be taken concurrently) with D- or better) and (CH 261 (may be taken concurrently) [D-] or CH 261H (may be taken concurrently) [D-]))
Equivalent to: BI 212

BI 213H. *PRINCIPLES OF BIOLOGY. (4 Credits)
Genetics, evolution, natural selection, and ecology. Lec/lab. (Bacc Core Course)
Attributes: CPBS – Core, Pers, Biological Science; HNRS – Honors Course Designator
Prerequisites: CH 121 with D- or better or CH 201 with D- or better or CH 221 with D- or better or CH 224H with D- or better or ((CH 231 with D- or better or CH 231H with D- or better) and (CH 261 [D-] or CH 261H [D-] or CH 271 [D-]))
Equivalent to: BI 213

BI 306H. **ENVIRONMENTAL ECOLOGY. (3 Credits)
Biological, physical, and chemical nature of both natural and human-disturbed ecosystems. Topics include population and conservation ecology, toxins in the food chain and in the environment, forest decline and acid rain, eutrophication of terrestrial and aquatic ecosystems, and ecosystem restoration. Offered alternate years. (Bacc Core Course)
(Writing Intensive Course)
Attributes: CGSI – Core, Synth, Global Issues; CWIC – Core, Skills, WIC; HNRS – Honors Course Designator
Equivalent to: BI 306

BI 311H. GENETICS. (4 Credits)
Fundamentals of Mendelian, quantitative, population, molecular, and developmental genetics. Lec/rec.
Attributes: HNRS – Honors Course Designator
Prerequisites: (BI 211 with C- or better or BI 211H with C- or better) and (BI 212 [C-] or BI 212H [C-]) and (BI 213 [C-] or BI 213H [C-]) or (BI 204 [C-] and BI 205 [C-] and BI 206 [C-])
Equivalent to: BI 311

BI 370H. ECOLOGY. (3 Credits)
The study of interactions between organisms and their biotic and abiotic environments at the population, community, ecosystem, and biosphere levels of organization.
Attributes: HNRS – Honors Course Designator
Prerequisites: BI 211 with C- or better or BI 211H with C- or better and (BI 212 [C-] or BI 212H [C-]) and (BI 213 [C-] or BI 213H [C-]) and (BI 204 [C-] and BI 205 [C-] and BI 206 [C-])
Equivalent to: BI 370

BI 401H. RESEARCH AND SCHOLARSHIP. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: BI 401
This course is repeatable for 16 credits.

BI 407H. SEMINAR. (1 Credit)
Departmental seminar. Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: BI 407
This course is repeatable for 16 credits.

BI 445H. EVOLUTION. (3 Credits)
Formal analysis of genetic and ecological mechanisms producing evolutionary change; special topics include speciation, ecological constraints, adaptive radiations, paleontology, biogeography, the origin of life, molecular evolution, and human evolution.
Attributes: HNRS – Honors Course Designator
Prerequisites: BI 311 with D- or better or BI 311H with D- or better
Equivalent to: BI 445

BI 499H. SPECIAL TOPICS. (1-16 Credits)
Topics and credits vary.
Attributes: HNRS – Honors Course Designator
Equivalent to: BI 499
This course is repeatable for 16 credits.

BOT 407H. SEMINAR. (1 Credit)
Section 1: Departmental seminar. Section 3: Lichens and Bryophytes Research (1). Weekly one-hour meetings for reporting and discussion of active research projects, discussion of proposal research, review and discussion of recent literature, and mini-workshops on particular problems. Normally graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: BOT 407
This course is repeatable for 16 credits.

BOT 499H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: BOT 499
This course is repeatable for 16 credits.

CBE 101H. CHEMICAL, BIOLOGICAL, AND ENVIRONMENTAL ENGR ORIENTATION. (3 Credits)
Introduction to the engineering profession in general and in particular the CHE, BIOE, and ENVE programs; development of problem solving strategies and teamwork; analysis and presentation of experimental data, basic process calculations, and design methodologies. Lec/rec/lab.
Attributes: HNRS – Honors Course Designator
Equivalent to: CBE 101

CBE 102H. ENGINEERING PROBLEM SOLVING AND COMPUTATIONS. (3 Credits)
Elementary programming and problem-solving concepts implemented using MATLAB software; emphasis on problem analysis and development of algorithms in engineering including dimensional analysis; application experiences are established through team-based activities including projects using the LEGO-NXT microprocessor for data acquisition. Lec/lab.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 112 with C or better or MTH 251 with C or better or MTH 251H with C or better
Equivalent to: CBE 102

CBE 211H. MATERIAL BALANCES AND STOICHIOMETRY. (3 Credits)
Material balances, thermophysical, and thermochemical calculations. Lec/rec.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 252 with C or better or MTH 252H with C or better
Equivalent to: CBE 211
**CH 221H. ENERGY BALANCES. (3 Credits)**
Energy balances, thermophysical and thermochemical calculations. Lec/rec.
Attributes: HNRS – Honors Course Designator
Prerequisites: (CE211 with C or better or CE211H with C or better) and (MATH 256 (may be taken concurrently) [C] or MATH 256H (may be taken concurrently) [C])
Equivalent to: CBE 212

**CBE 414H. *PROCESS ENGINEERING LABORATORY. (3 Credits)**
Unit operations and unit processes; preparation of technical reports. Lec/ lab. (Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC; HNRS – Honors Course Designator
Prerequisites: CBE 213 (may be taken concurrently) with C or better and CHE 311 [C] and (CHE 333 [C] or CHE 333H [C])
Equivalent to: CBE 414

**CCE 321H. CIVIL AND CONSTRUCTION ENGINEERING MATERIALS. (4 Credits)**
Highway materials; aggregate, concrete and asphalt. Standard test methods.
Attributes: HNRS – Honors Course Designator
Prerequisites: CBE 213 (may be taken concurrently) with C or better and CHE 311 [C] and (CHE 333 [C] or CHE 333H [C])
Equivalent to: CCE 321

**CE 299H. SPECIAL TOPICS. (1-4 Credits)**
Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: CE 299

**CE 407H. SEMINAR. (1-3 Credits)**
Understanding complexity and systems thinking.
Attributes: HNRS – Honors Course Designator
Equivalent to: CE 407
This course is repeatable for 16 credits.

**CH 231H. GENERAL CHEMISTRY. (4 Credits)**
A general chemistry sequence for students majoring in most sciences, pharmacy, and chemical engineering. CH 231H is a lecture course; CH 261H is the laboratory component. Lec/rec. (Bacc Core Course if taken with CH 261H)
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 111 (may be taken concurrently) with C- or better or MTH 112 (may be taken concurrently) with C- or better or MTH 251 (may be taken concurrently) with C- or better or MTH 251H (may be taken concurrently) with C- or better or MTH 252 (may be taken concurrently) with C- or better or MTH 252H (may be taken concurrently) with C- or better or MTH 254 (may be taken concurrently) with C- or better or MATH Placement - ALEKS with a score of 060
Equivalent to: CH 231

**CH 232H. GENERAL CHEMISTRY. (4 Credits)**
A general chemistry sequence for students majoring in most sciences, pharmacy, and chemical engineering. CH 232H is a lecture course; CH 262H is the laboratory component. Lec/rec. (Bacc Core Course if taken with CH 262H)
Attributes: HNRS – Honors Course Designator
Prerequisites: (CH 231 with C- or better or CH 231H with C- or better) or CH 221 with C- or better
Equivalent to: CH 232
CH 362H. EXPERIMENTAL CHEMISTRY I. (3 Credits)
First-level integrated laboratory course for majors in chemistry and related disciplines, covering experimental techniques of analytical, inorganic, organic and physical chemistry. Lec/lab.
Attributes: HNRS – Honors Course Designator
Prerequisites: (CH 361 with D- or better or CH 361H with D- or better) and CH 335 (may be taken concurrently) [D-]
Equivalent to: CH 362

CH 407H. SEMINAR. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: CH 407
This course is repeatable for 16 credits.

CH 461H. EXPERIMENTAL CHEMISTRY II. (3 Credits)
Second-level integrated laboratory course for majors in chemistry and related disciplines, covering experimental techniques of analytical, inorganic and physical chemistry. Lec/Lab.
Attributes: HNRS – Honors Course Designator
Prerequisites: (CH 362 with D- or better or CH 362H with D- or better) and CH 421 (may be taken concurrently) [D-] and CH 440 (may be taken concurrently) [D-]
Equivalent to: CH 461

CH 462H. *EXPERIMENTAL CHEMISTRY II. (3 Credits)
Second-level integrated laboratory course for majors in chemistry and related disciplines, covering experimental techniques of analytical, inorganic, organic and physical chemistry. Lec/lab. (Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC; HNRS – Honors Course Designator
Prerequisites: (CH 362 with D- or better or CH 362H with D- or better) and CH 441 (may be taken concurrently) [D-] and (CH 324 [D-] or CH 461 [D-] or CH 461H [D-])
Equivalent to: CH 462

CH 463H. *EXPERIMENTAL CHEMISTRY II. (3 Credits)
Second-level integrated laboratory course for majors in chemistry and related disciplines, covering experimental techniques of analytical, inorganic, organic and physical chemistry. Lec/lab. (Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC; HNRS – Honors Course Designator
Prerequisites: (CH 362 with D- or better or CH 362H with D- or better) and (CH 324 [D-] or CH 461 [D-] or CH 461H [D-])
Equivalent to: CH 463

CH 464H. *EXPERIMENTAL CHEMISTRY II. (3 Credits)
Second-level integrated laboratory course for majors in chemistry and related disciplines, covering experimental techniques of analytical, inorganic, organic and physical chemistry. Lec/lab. (Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC; HNRS – Honors Course Designator
Prerequisites: (CH 362 with D- or better or CH 362H with D- or better) and CH 442 (may be taken concurrently) [D-]
Equivalent to: CH 464

CHE 199H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: CHE 199

CHE 331H. TRANSPORT PHENOMENA I. (4 Credits)
Fundamentals and application of momentum and energy transfer phenomena to fluid flow for the design of industrial chemical engineering equipment.
Attributes: HNRS – Honors Course Designator
Prerequisites: (MTH 256 with C or better or MTH 256H with C or better) and (CBEE 212 (may be taken concurrently) [C] or CBEE 212H (may be taken concurrently) [C])
Equivalent to: CHE 331

CHE 332H. TRANSPORT PHENOMENA II. (3 Credits)
A unified treatment using control volume and differential analysis of heat transfer, prediction of heat transport properties, and introduction to heat transfer operations.
Attributes: HNRS – Honors Course Designator
Prerequisites: CHE 311 with C or better and (CHE 331 [C] or CHE 331H [C])
Equivalent to: CHE 332

CHE 405H. READING AND CONFERENCE. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: CHE 405
This course is repeatable for 16 credits.

COMM 111H. *PUBLIC SPEAKING. (3 Credits)
Public communication as it relates to informative and persuasive discourse. The theory and practice of public speaking in informative and persuasive contexts. Lec/rec. (Bacc Core Course)
Attributes: CSW3 – Core, Skills, Speech; HNRS – Honors Course Designator
Equivalent to: COMM 111

COMM 114H. *ARGUMENT AND CRITICAL DISCOURSE. (3 Credits)
Examination of argumentation as a part of human interaction and investigation. The course emphasizes the processes by which people give reasons to gain adherence and to justify beliefs and actions. The course includes readings, writing, and presentations concerned with the nature of arguments, processes of arguing, and argument criticism. Lec/rec. (Bacc Core Course)
Attributes: CSW3 – Core, Skills, Speech; HNRS – Honors Course Designator
Equivalent to: COMM 114

CROP 405H. READING AND CONFERENCE. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: CROP 405, CSS 405H
This course is repeatable for 16 credits.

CROP 499H. SPECIAL TOPICS IN CROP SCIENCE AND SOIL SCIENCE. (1-16 Credits)
Technical knowledge and skills development courses offered in a wide array of course formats. Topics vary from term to term and year to year. May be repeated for credit when topics differ.
Attributes: HNRS – Honors Course Designator
Equivalent to: CROP 499
This course is repeatable for 16 credits.

CS 160H. COMPUTER SCIENCE ORIENTATION. (3 Credits)
Introduction to the computer science field and profession. Team problem solving. Introduction to writing computer programs. Lec/lab.
Attributes: HNRS – Honors Course Designator
Equivalent to: CS 160
CS 321H. INTRODUCTION TO THEORY OF COMPUTATION. (3 Credits)
Survey of models of computation including finite automata, formal
grammars, and Turing machines.
Attributes: HNRS – Honors Course Designator
Prerequisites: CS 261 with C or better and (CS 225 [C] or MTH 231 [C])
Equivalent to: CS 321

CS 325H. ANALYSIS OF ALGORITHMS. (4 Credits)
Recurrence relations, combinatorics, recursive algorithms, proofs of
correctness.
Attributes: HNRS – Honors Course Designator
Prerequisites: CS 261 with C or better and (CS 225 [C] or MTH 231 [C])
Equivalent to: CS 325

CS 407H. SEMINAR. (1-16 Credits)
Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: CS 407
This course is repeatable for 16 credits.

CS 419H. SELECTED TOPICS IN COMPUTER SCIENCE. (1-5 Credits)
Topics of special and current interest not covered in other courses.
Attributes: HNRS – Honors Course Designator
Equivalent to: CS 419
This course is repeatable for 99 credits.

DSGN 244H. COLOR INNOVATION. (4 Credits)
The aesthetics, meaning, and perception of color provide the foundational
knowledge in this course.
Attributes: HNRS – Honors Course Designator
Equivalent to: DSGN 244

DSGN 341H. DESIGN THINKING AND PROCESS INNOVATION. (4 Credits)
Application of a qualitative, multi-method approach to gain insight into
how the consumer experience can be improved within a given context.
Application of design thinking principles to identify and develop solutions
to improve consumer experience within a given context.
Attributes: HNRS – Honors Course Designator
Equivalent to: DSGN 341

ECE 322H. ELECTRONICS I. (3 Credits)
Fundamental device characteristics including diodes, MOSFETs and
bipolar transistors; small- and large-signal characteristics and design of
linear circuits.
Attributes: HNRS – Honors Course Designator
Prerequisites: ENGR 203 with C. or better
Equivalent to: ECE 322

ECON 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ECON 399
This course is repeatable for 16 credits.

ED 408H. WORKSHOP. (1-3 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ED 408
This course is repeatable for 16 credits.

ENG 104H. *INTRODUCTION TO LITERATURE: FICTION. (3 Credits)
Study of fiction for greater understanding and enjoyment. (H) (Bacc Core
Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course
Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 104

ENG 106H. *INTRODUCTION TO LITERATURE: POETRY. (3 Credits)
Study of poetry for greater understanding and enjoyment. (H) (Bacc Core
Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course
Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 106

ENG 201H. *SHAKESPEARE. (4 Credits)
The earlier plays. (H) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; CPWC – Core, Pers, West
Culture; HNRS – Honors Course Designator; LACH – Liberal Arts
Humanities Core
Equivalent to: ENG 201

ENG 202H. *SHAKESPEARE. (4 Credits)
The later plays. (H) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; CPWC – Core, Pers, West
Culture; HNRS – Honors Course Designator; LACH – Liberal Arts
Humanities Core
Equivalent to: ENG 202

ENG 204H. *SURVEY OF BRITISH LITERATURE: BEGINNINGS TO 1660. (4
Credits)
English literature presented in chronological sequence. (H) (Bacc Core
Course)
Attributes: CPLA – Core, Pers, Lit and Arts; CPWC – Core, Pers, West
Culture; HNRS – Honors Course Designator; LACH – Liberal Arts
Humanities Core
Equivalent to: ENG 204

ENG 205H. *SURVEY OF BRITISH LITERATURE: RESTORATION TO
ROMANTIC ERA. (4 Credits)
English literature presented in chronological sequence. (H) (Bacc Core
Course)
Attributes: CPLA – Core, Pers, Lit and Arts; CPWC – Core, Pers, West
Culture; HNRS – Honors Course Designator; LACH – Liberal Arts
Humanities Core
Equivalent to: ENG 205

ENG 211H. *LITOS OF THE WORLD: AFRICA. (4 Credits)
Representative works of poetry, prose, and drama from nonwestern
cultural traditions. Covers literature of Africa. (H) (NC) (Bacc Core Course)
Attributes: CPWC – Core, Pers, Cult Diversity; CPLA – Core, Pers, Lit and
Arts; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities
Core; LACN – Liberal Arts Non-Western Core
Equivalent to: ENG 211

ENG 213H. *LITERATURES OF THE WORLD: MIDDLE EAST. (4 Credits)
Representative works of poetry, prose, and drama from nonwestern
cultural traditions. Covers literature of the Middle East. (H) (NC) (Bacc
Core Course)
Attributes: CPWC – Core, Pers, Cult Diversity; CPLA – Core, Pers, Lit and
Arts; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities
Core; LACN – Liberal Arts Non-Western Core
Equivalent to: ENG 213

ENG 221H. *AFRICAN-AMERICAN LITERATURE. (4 Credits)
Reading and critical analysis of African-American literature in historical,
political, and/or thematic perspective. Content changes from term to
term; see Schedule of Classes. Not offered every year. (H) (Bacc Core
Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course
Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 221
This course is repeatable for 8 credits.
ENG 254H. *SURVEY OF AMERICAN LITERATURE: 1900 TO PRESENT. (4 Credits)
Readings from American literature presented in chronological sequence, important eras and movements with emphasis on major writers. (H) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 254

ENG 260H. *LITERATURE OF AMERICAN MINORITIES. (4 Credits)
Study of the literature of American minorities: North American Indian, black, Chicano/Chicana, Asian, Middle Eastern, gay and lesbian. Not offered every year. (H) (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 260

ENG 275H. *THE BIBLE AS LITERATURE. (4 Credits)
Biblical structure, literary types, ideas, influences. Not offered every year. (H) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 275

ENG 295H. *FEMINISM AND THE BIBLE. (3 Credits)
Examines feminist interpretations of the Bible and pays special attention to intersections of race, social class, sexual identity, and nation in biblical interpretation. (Bacc Core Course) CROSSTLISTED as PHL 295, PHL 295H, WGSS 295, WGSS 295H.
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator
Equivalent to: ENG 295, PHL 295, PHL 295H, WGSS 295, WGSS 295H

ENG 374H. *MODERN SHORT STORY. (4 Credits)
Survey of the short story from the 19th century to present. Not offered every year. (H) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 374

ENG 375H. CHILDREN'S LITERATURE. (4 Credits)
Surveys a variety of genres, including fairy tales, folktale and fables, nonsense poetry, picture books, historical and fantasy novels, examining how these texts represent childhood and connect with historical, cultural, and psychological contexts.
Attributes: HNRS – Honors Course Designator
Equivalent to: ENG 375

ENG 399H. SELECTED TOPICS. (1-16 Credits)
(H)
Attributes: HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 399
This course is repeatable for 16 credits.

ENG 406H. PROJECTS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ENG 406
This course is repeatable for 16 credits.

ENG 406H. PROJECTS. (1-16 Credits)
This course is repeatable for 16 credits.

ENGR 112H. INTRODUCTION TO ENGINEERING COMPUTING. (3 Credits)
Systematic approaches to engineering problem solving using computers. Logical analysis, flow charting, input/output design, introductory computer programming and use of engineering software. Lec/lab/rec.
Attributes: HNRS – Honors Course Designator
Equivalent to: ENGR 112

ENGR 201H. ELECTRICAL FUNDAMENTALS I. (3 Credits)
Attributes: HNRS – Honors Course Designator
Prerequisites: (MTH 251 with C or better or MTH 251H with C or better) and (MTH 252 [C] or MTH 252H [C])
Equivalent to: ENGR 201

ENGR 211H. STATICS. (3 Credits)
Analysis of forces induced in structures and machines by various types of loading. Lec/rec.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 252 with C or better or MTH 252H with C or better
Equivalent to: ENGR 211

ENGR 212H. DYNAMICS. (3 Credits)
Kinematics, Newton's laws of motion, and work-energy and impulse-momentum relationships applied to engineering systems. Lec/rec.
Attributes: HNRS – Honors Course Designator
Prerequisites: (ENGR 211 with C or better or ENGR 211H with C or better) and (PH 211 [C] or PH 211H [C])
Equivalent to: ENGR 212

ENGR 213H. STRENGTH OF MATERIALS. (3 Credits)
Properties of structural materials; analysis of stress and deformation in axially loaded members, circular shafts, and beams, and in statically indeterminate systems containing these components. Lec/rec.
Attributes: HNRS – Honors Course Designator
Prerequisites: ENGR 211 with C or better or ENGR 211H with C or better
Equivalent to: ENGR 213

ENGR 299H. SPECIAL TOPICS. (0-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ENGR 299
This course is repeatable for 16 credits.

ENGR 321H. INTRODUCTION TO MATERIALS SCIENCE. (4 Credits)
Crystal structure, microstructure, and physical properties of metals, ceramics, polymers, composites, and amorphous materials. Also includes elementary mechanical behavior and phase equilibria. Lec. CROSSTLISTED as MATS 321.
Attributes: HNRS – Honors Course Designator
Prerequisites: CH 202 with C or better or CH 222 with C or better or CH 224H with C or better or ((CH 232 with C or better or CH 232H with C or better) and (CH 262 [C] or CH 262H [C] or CH 272 [C]))
Equivalent to: ENGR 321, MATS 321

ENGR 350H. *SUSTAINABLE ENGINEERING. (3 Credits)
Examination of technological innovations and alternatives required to maintain human quality of life and environmental sustainability. (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator
Equivalent to: ENGR 350
ENGR 363H. *ENERGY MATTERS. (3 Credits)
Establishes a basic energy vocabulary, applies the fundamental concepts of identifying energy and determining efficiency, and studies the implications of energy decisions in the context of traditional, alternative, and sustainable energy resources. (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator
Equivalent to: ENGR 363

ENGR 391H. ENGINEERING ECONOMICS AND PROJECT MANAGEMENT. (3 Credits)
Critical issues in the management of engineering and high-technology projects are discussed. Economic, time, and performance parameters of engineering projects are analyzed from the organizational and resource perspectives. Network optimization and simulation concepts are introduced. Fundamental engineering economics concepts are introduced and applied to planning and managing projects.
Attributes: HNRS – Honors Course Designator
Equivalent to: ENGR 391

ENGR 399H. SPECIAL TOPICS. (1-16 Credits)
This course is repeatable for 16 credits.

ENGR 407H. SEMINAR. (1-16 Credits)
Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: ENGR 407
This course is repeatable for 16 credits.

ENGR 499H. SPECIAL TOPICS. (1-16 Credits)
This course is repeatable for 16 credits.

ENSC 407H. SEMINAR. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ENSC 407
This course is repeatable for 16 credits.

ENVE 299H. SPECIAL TOPICS. (0-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ENVE 299
This course is repeatable for 16 credits.

ENVE 407H. SEMINAR. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ENVE 407
This course is repeatable for 16 credits.

ES 221H. *SURVEY OF AFRICAN AMERICAN STUDIES I. (3 Credits)
An interdisciplinary survey of the African American experience beginning with pre-colonial Africa and ending with World War I. (H) (NC) (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core; LACN – Liberal Arts Non-Western Core
Equivalent to: ES 221

ES 241H. *INTRODUCTION TO NATIVE AMERICAN STUDIES. (4 Credits)
A survey of Native American cultures and history, both prior to and following contact with Europeans. Introduces the key contemporary issues and questions in the field of Native American studies. (H) (NC) (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core; LACN – Liberal Arts Non-Western Core
Equivalent to: ES 241

ES 353H. *ENVIRONMENTAL RACISM. (4 Credits)
Introduces environmental racism; the unequal impact of environmental harm on communities of color and indigenous peoples. Presents empirical evidence and theoretical frames, and explores efforts by government, residents, and activists to combat it. Considers questions of environmental justice via social structure, public access, open space, indigeneity, food, and media. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: ES 353

ES 355H. *RACE, SPACE, AND DIFFERENCE. (4 Credits)
A hands-on approach to exploring how we make space, and why geography is always infused with markers of social identity and exercises of power. Will practice "reading" space and landscapes, and learn how notions of race and other forms of "difference" shape space and (vice versa) to produce experiences of inclusion, exclusion, cooperation, and conflict. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: ES 355

ES 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ES 399
This course is repeatable for 16 credits.

FES 240H. *FOREST BIOLOGY. (4 Credits)
Structure, function, development and biology of forest vegetation and their relationships to forestry and natural resource applications. Field trips required. Lec/lab/rec. (Bacc Core Course)
Attributes: CPBS – Core, Pers, Biological Science; HNRS – Honors Course Designator
Equivalent to: FES 240

FILM 245H. *THE NEW AMERICAN CINEMA. (4 Credits)
A formalist, ideological, and commercial investigation into contemporary American cinema. Three hours of lecture and separate screenings each week. Film fee required. Not offered every year. (H) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 245, ENG 245H, FILM 245

FILM 452H. *STUDIES IN FILM. (4 Credits)
Particular cinematographers, movements, types, conventions, or problems in film. Topics change from term to term; see Schedule of Classes. Lecture and separate screenings each week. Film fee required. Not offered every year. (H) (Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: ENG 452, FILM 452
This course is repeatable for 8 credits.
FIN 340H. FINANCE. (4 Credits)
Role and functions of a financial manager in the modern business environment in which a manager operates; formulation of financial objectives and policies; financial analysis, forecasting, planning, and control; asset management; capital budgeting; acquisition of funds through borrowing, stock issue, and by internal means; dividend policy; and international aspects of finance.
Attributes: HNRS – Honors Course Designator
Prerequisites: (BA 213 with C- or better or BA 215 with C- or better or BA 215H with C- or better) and (ECON 201 [C-] or ECON 201H [C-])
Equivalent to: FIN 340

FOR 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: FOR 399
This course is repeatable for 16 credits.

FR 499H. SPECIAL TOPICS. (1-16 Credits)
May be repeated for credit when topic varies. See Schedule of Classes for current offerings and prerequisites. Not offered every year.
Attributes: HNRS – Honors Course Designator
Equivalent to: FR 499
This course is repeatable for 9 credits.

FST 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: FST 399
This course is repeatable for 16 credits.

FW 407H. SEMINAR. (1-16 Credits)
Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: FW 407
This course is repeatable for 16 credits.

GEO 307H. *NATIONAL PARK GEOLOGY AND PRESERVATION. (3 Credits)
National parks as classrooms to study geological processes and the importance of preserving natural landscapes. Field trip(s) required; transportation fee charged. (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator
Equivalent to: GEO 307

GEO 352H. *OREGON: GEOLOGY, PLACE, AND LIFE ON THE RING OF FIRE. (4 Credits)
Provides an overview of the geology of Oregon in the context of the Pacific Northwest including tectonic setting, geologic features and landscapes, as well as topics and concepts of interest to society in general. Lessons will include discussion of the relationship between people and the landscape, incorporating the concept of ethnographic landscapes–geologic structures, natural resources and geologic hazards that are part of the identity of a place. Emphasizes written and graphic communication skills. Field trip required, transportation fee charged. Lec/ lab. (Bacc core course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator
Equivalent to: GEO 352

GEO 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: GEO 399
This course is repeatable for 16 credits.

GEOG 340H. *INTRODUCTION TO WATER SCIENCE AND POLICY. (3 Credits)
Policy and science of the hydrologic cycle. Emphasis on interaction between water's natural time-space fluctuations and human uses. (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator
Equivalent to: GEOG 340

H 100H. INTRODUCTION TO PUBLIC HEALTH. (4 Credits)
A basic overview of public health. Uses a mix of lectures, guest speakers, classroom activities and homework to help students understand the role of public health in eliminating health disparities, understanding epidemics, and setting policy.
Attributes: HNRS – Honors Course Designator
Equivalent to: H 100

H 364H. DRUGS, SOCIETY AND HUMAN BEHAVIOR. (3 Credits)
Drug use and abuse; theories of addiction; basic principles of drug action regarding the use of sedative and stimulative compounds; alcohol; opiates; hallucinogens; designer drugs; cocaine; and over-the-counter products. Particular emphasis on the role of the individual's value orientation.
Attributes: HNRS – Honors Course Designator
Prerequisites: PSY 201 with C- or better or PSY 202 with C- or better
Equivalent to: H 364

H 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: H 399
This course is repeatable for 16 credits.

H 407H. SEMINAR. (2 Credits)
Seminar to prepare students for their internship in public health. Focus is on professionalism, leadership skills, identifying strengths, and transitioning from college to graduate school or the working world.
Attributes: HNRS – Honors Course Designator
Equivalent to: H 407

H 491H. SPECIAL TOPICS. (1-3 Credits)
Recent changes and advances in public health and health care administration and their application to special fields of study. Topics vary from term to term and year to year.
Attributes: HNRS – Honors Course Designator
Equivalent to: H 491
This course is repeatable for 6 credits.

HC 199. *HONORS WRITING. (3 Credits)
Through a range of assignments, texts, and guest speakers, Honors College students will develop critical thinking skills and a strategy for writing in their discipline. (Bacc Core Course)
Attributes: CSW2 – Core, Skills, WR II; HNRS – Honors Course Designator

HC 299. SELECTED TOPICS. (1-16 Credits)
Selected topics for Honors College students.
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.
HC 399. SELECTED TOPICS. (1-16 Credits)
Upper-division special topics for Honors College students.
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 401. RESEARCH AND SCHOLARSHIP. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 402. INDEPENDENT STUDY. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 403. THESIS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 404. WRITING AND CONFERENCE. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 405. READING AND CONFERENCE. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 406. PROJECTS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 407. SEMINAR. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 408. WORKSHOP. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 409. PRACTICUM. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HC 499. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
This course is repeatable for 16 credits.

HDFS 447H. *FAMILIES AND POVERTY. (4 Credits)
Examines families in poverty focusing on causes and consequences of family poverty, including global economic factors, migration patterns, discrimination, and policies and programs for families. Community service required. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator
Equivalent to: HDFS 447

HDFS 465H. TOPICS IN HUMAN DEVELOPMENT AND FAMILY SCIENCES. (3 Credits)
Topics and issues in human development and family sciences. Examples: children and the law; gender and families; parenting; aging; relationship development across the lifespan.
Attributes: HNRS – Honors Course Designator
Equivalent to: HDFS 465
This course is repeatable for 18 credits.

HDFS 499H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: HDFS 499
This course is repeatable for 16 credits.

HHS 231H. *LIFETIME FITNESS FOR HEALTH. (2 Credits)
Provides up-to-date and relevant health and wellness information; practical strategies to implement positive behavior change in physical activity, nutrition, and stress management throughout college and the lifespan. (Bacc Core Course)
Attributes: CSFT – Core, Skills, Fitness; HNRS – Honors Course Designator
Equivalent to: HHS 231

HORT 199H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: HORT 199
This course is repeatable for 16 credits.

HORT 299H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: HORT 299
This course is repeatable for 16 credits.

HORT 405H. READING AND CONFERENCE. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: HORT 405
This course is repeatable for 16 credits.

HORT 499H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: HORT 499
This course is repeatable for 16 credits.

HST 105H. *WORLD HISTORY II: MIDDLE AND EARLY MODERN AGES. (3 Credits)
A survey of the historical development of several world civilizations roughly from the 8th century to the late 18th century. Exploration of religious, cultural, social, political, and economic institutions of various societies. Cultural diversity analysis of both ancient Western and non-Western civilizations. (H) (Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: HST 105

HST 106H. *WORLD HISTORY III: THE MODERN AND CONTEMPORARY WORLD. (3 Credits)
A survey of the historical development of several world civilizations from the 18th century to the contemporary period. Exploration of religious, cultural, social, political, and economic institutions of various societies. Cultural diversity analysis of both ancient Western and non-Western civilizations. Not offered every year. (H) (Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: HST 106

HST 202H. *HISTORY OF THE UNITED STATES. (4 Credits)
Provides an overview of the development of the U.S. from the pre-Columbian era to the present. Attention is given to economic, political, and social trends, as well as to international relations. Covers 1820 to 1920. HST 202H and HST 203H need not be taken in sequence. (H) (SS) (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core; LACS – Liberal Arts Social Core
Equivalent to: HST 202
HST 203H. *HISTORY OF THE UNITED STATES. (4 Credits)
Provides an overview of the development of the U.S. from the pre-
Columbian era to the present. Attention is given to economic, political,
and social trends, as well as to international relations. Covers 1920 to
present. HST 202H and HST 203H need not be taken in sequence. (H)
(SS) (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination;
CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator;
LACH – Liberal Arts Humanities Core; LACS – Liberal Arts Social Core
Equivalent to: HST 203

HST 210H. *RELIGION IN THE UNITED STATES. (4 Credits)
A thematic overview of the historical study of religion in the United
States, with an eye toward ways that social and cultural contexts
have shaped the religious experience of Americans in different places
and times. Surveys a wide array of religious movements, groups, and
individuals from the colonial period to present. CROSSLISTED as
PHL 210H, REL 210H. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination;
HNRS – Honors Course Designator
Equivalent to: HST 210, PHL 210, PHL 210H, REL 210, REL 210H

HST 299H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: HST 299
This course is repeatable for 16 credits.

HST 317H. *WHY WAR: A HISTORICAL PERSPECTIVE. (4 Credits)
An inquiry into the origins of mass violence. Theory and case studies are
used to suggest possible causes of international war, civil war, revolution,
and genocide. (H) (Bacc Core Course)
Attributes: CSSI – Core, Synth, Global Issues; HNRS – Honors Course
Designator; LACH – Liberal Arts Humanities Core
Equivalent to: HST 317

HST 350H. *MODERN LATIN AMERICA. (4 Credits)
History of Latin America leading up to and after Spanish and Portuguese
conquest. Focus on indigenous American, European and African cultures
and religions in contact under colonial government and economic
systems. Covers the period from 1400 to 1810. (H) (NC) (Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course
Designator; LACH – Liberal Arts Humanities Core; LACN – Liberal Arts
Non-Western Core
Equivalent to: HST 350, REL 350

HST 365H. *THE CIVIL RIGHTS MOVEMENT IN THE MODERN U.S.. (4
Credits)
An exploration of the "long civil rights movement" among African
Americans and their allies during the 20th century United States, with
attention to the structure of racial inequality, movement philosophies and
strategies, white allies and opponents, relationships to other freedom
movements, and the movement’s legacies. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination;
HNRS – Honors Course Designator
Equivalent to: HST 365

HST 382H. *HISTORY OF AFRICA. (4 Credits)
History of Africa from earliest times to present, including origins
of human society, slave trade, European imperialism and African
nationalism. Covers Nineteenth and Twentieth century Africa. (H) (NC)
(Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course
Designator; LACH – Liberal Arts Humanities Core; LACN – Liberal Arts
Non-Western Core
Equivalent to: HST 382

HST 385H. *THE ARAB-ISRAELI CONFLICT. (4 Credits)
Examination of the origins of the Arab-Israeli conflict and subsequent
efforts to find a lasting solution. (H) (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course
Designator; LACH – Liberal Arts Humanities Core
Equivalent to: HST 385

HST 386H. *MODERN IRAN: REVOLUTION AND ITS AFTERMATH. (4
Credits)
The history of 20th century Iran with a focus on the Islamic revolution
and its consequences. Readings will provide the cultural and political
background for understanding contemporary Iran and its place in the
world. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course
Designator
Equivalent to: HST 386

HST 390H. *MIDEAST WOMEN: IN THEIR OWN WORDS. (4 Credits)
The lives of modern Middle Eastern women as told in memoirs,
autobiography and film. First-person narratives and film portrayals
provide the means for understanding historical events and contemporary
trends in the region. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course
Designator
Equivalent to: HST 390

HST 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: HST 399
This course is repeatable for 16 credits.

HST 407H. *SEMINAR. (5 Credits)
(Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC; HNRS – Honors Course Designator
Equivalent to: HST 407
This course is repeatable for 20 credits.

HST 415H. SELECTED TOPICS. (4 Credits)
Selected topics of special or current interest not covered in other
courses. (H)
Attributes: HNRS – Honors Course Designator; LACH – Liberal Arts
Humanities Core
Equivalent to: HST 415
This course is repeatable for 99 credits.

HST 425H. *THE HOLOCAUST IN ITS HISTORY. (4 Credits)
An inquiry into the causes, course, and impact of the Holocaust. The
general theme of anti-Semitism in European history is explored for
background. Topics discussed for comparative purposes include anti-
Semitism in American history; other episodes of mass murder in the 20th
century. Not offered every year. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course
Designator; LACH – Liberal Arts Humanities Core
Equivalent to: HST 425, REL 425
HST 432H. THE HISTORY OF SEXUALITY. (4 Credits)
The history of human sexuality from ancient Greece to the present. (H) (SS)
Attributes: HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core; LACS – Liberal Arts Social Core
Equivalent to: HST 432

HST 465H. *AMERICAN DIPLOMATIC HISTORY. (4 Credits)
American diplomatic relations from 1898 to the present. HST 464/HST 564 need not be taken in sequence. Not offered every year. (H) (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: HST 465

HST 499H. SPECIAL TOPICS. (1-16 Credits)
This course is repeatable for 16 credits.

HSTS 415H. **THEORY OF EVOLUTION AND FOUNDATION OF MODERN BIOLOGY. (4 Credits)
Origin and development of Darwin's theory of evolution. Reception of theory and history of evolution to the present. (H) (SS) (Bacc Core Course) (Writing Intensive Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; CWIC – Core, Skills, WIC; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core; LACS – Liberal Arts Social Core
Equivalent to: HSTS 415

HSTS 419H. **STUDIES IN SCIENTIFIC CONTROVERSY: METHODS AND PRACTICES. (4 Credits)
Course focuses on accounts of scientific discoveries that have been controversial, to understand the rational, psychological, and social characteristics which have defined the meaning and procedures of the natural sciences. Case studies are used from the 18th through 20th centuries. (H) (SS) (Bacc Core Course) (Writing Intensive Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; CWIC – Core, Skills, WIC; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core; LACS – Liberal Arts Social Core
Equivalent to: HSTS 419

HSTS 440H. *HISTORY OF PSYCHOTHERAPY. (4 Credits)
The history of psychotherapy in modern Western societies, from biomedical, cultural, political, and psychosocial perspectives. Not offered every year. (H) (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: HSTS 440

KIN 399H. SPECIAL TOPICS. (1-3 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: KIN 399
This course is repeatable for 18 credits.

MB 230H. *INTRODUCTORY MICROBIOLOGY. (4 Credits)
Microbiology as it affects our everyday lives. The impact of microorganisms on health, food/water sanitation, environment, industry, and genetic engineering. Lec/lab. (Bacc Core Course)
Attributes: CPBS – Core, Pers, Biological Science; HNRS – Honors Course Designator
Equivalent to: MB 230

MB 299H. SPECIAL TOPICS. (1-16 Credits)
May be repeated for credit when topic varies.
Attributes: HNRS – Honors Course Designator
Equivalent to: MB 299
This course is repeatable for 16 credits.

MB 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: MB 399
This course is repeatable for 16 credits.

ME 299H. SPECIAL STUDIES. (1-16 Credits)
Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: ME 299
This course is repeatable for 16 credits.

ME 311H. INTRODUCTION TO THERMAL-FLUID SCIENCES. (4 Credits)
Basic concepts of fluid mechanics, thermodynamics and heat transfer are introduced. Conservation of mass, energy, moment and the second law of thermodynamics are included. CROSSLISTED as NSE 311H.
Attributes: HNRS – Honors Course Designator
Prerequisites: (ENGR 212 with C or better or ENGR 212H with C or better) and (MTH 256 [C] or MTH 256H [C])
Equivalent to: ENGR 311, ENGR 311H, ME 311, NSE 311, NSE 311H

ME 312H. THERMODYNAMICS. (4 Credits)
Energy destruction, machine and cycle processes, law of corresponding states, non-reactive gas mixtures, reactive mixtures, thermodynamics of compressible fluid flow. CROSSLISTED as NSE 312H.
Attributes: HNRS – Honors Course Designator
Prerequisites: (MTH 256 with C or better or MTH 256H with C or better) and (ME 311 [C] or ME 311H [C] or NSE 311 [C] or NSE 311H [C] or NE 311 [C] or NE 311H [C])
Equivalent to: ME 312, NSE 312, NSE 312H

ME 317H. INTERMEDIATE DYNAMICS. (4 Credits)
Continuation of the study of kinematics and kinetics of particles and rigid bodies, with applications to mechanical systems of current interest to engineers.
Attributes: HNRS – Honors Course Designator
Prerequisites: ((ENGR 212 with C or better or ENGR 212H with C or better) and (MTH 256 [C] or MTH 256H [C]))
Equivalent to: ME 317

ME 331H. INTRODUCTORY FLUID MECHANICS. (4 Credits)
Introduces the concepts and applications of fluid mechanics and dimensional analysis with an emphasis on fluid behavior, internal and external flows, analysis of engineering applications of incompressible pipe systems, and external aerodynamics. CROSSLISTED as NSE 331H.
Attributes: HNRS – Honors Course Designator
Prerequisites: ((MTH 254 with C or better or MTH 254H with C or better) and (MTH 256 [C] or MTH 256H [C]) and (ENGR 212 [C] or ENGR 212H [C]) and (ENGR 311 [C] or ME 311 [C] or ME 311H [C] or NSE 311 [C] or NSE 311H [C] or NE 311 [C] or NE 311H [C]))
Equivalent to: ME 331, NSE 331, NSE 331H
ME 332H. HEAT TRANSFER. (4 Credits)
A treatment of conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties. CROSSLISTED as NSE 332H.
Attributes: HNRS – Honors Course Designator
Prerequisites: (MTH 256 with C or better or MTH 256H with C or better) and (ENGR 212 [C] or ENGR 212H [C]) and (ME 311 [C] or ME 311H [C] or NE 311 [C] or NE 311H [C]) and (ME 331 [C] or ME 331H [C] or NE 331 [C] or NE 331H [C] or NE 331H [C])
Equivalent to: ME 332, NSE 332, NSE 332H

ME 373H. MECHANICAL ENGINEERING METHODS. (3 Credits)
Analytical and numerical methods for solving representative mechanical engineering problems. Lec/rec.
Attributes: HNRS – Honors Course Designator
Prerequisites: (ENGR 112 with C or better or ENGR 112H with C or better) and (MTH 256 [C] or MTH 256H [C])
Equivalent to: ME 373

ME 382H. INTRODUCTION TO DESIGN. (4 Credits)
Organization, planning, economics, and the use of creativity and optimization in solving mechanical design problems. Case studies and/or industrial design problems. Lec/lab.
Attributes: HNRS – Honors Course Designator
Prerequisites: ENGR 248 with C or better and ME 250 (may be taken concurrently) [C]
Equivalent to: ME 382

ME 383H. MECHANICAL COMPONENT DESIGN. (4 Credits)
Failure analysis and design of machine components. Lec/lab.
Attributes: HNRS – Honors Course Designator
Prerequisites: ME 316 with C or better and ME 250 (may be taken concurrently) [C]
Equivalent to: ME 383

ME 405H. READING AND CONFERENCE. (1-16 Credits)
This course is repeatable for 9 credits.
Attributes: HNRS – Honors Course Designator
Equivalent to: ME 405

ME 422H. MECHANICAL VIBRATIONS. (4 Credits)
Dynamic response of single and multiple degree-of-freedom systems.
Attributes: HNRS – Honors Course Designator
Prerequisites: ME 317 with C or better or ME 317H with C or better
Equivalent to: ME 422

ME 430H. SYSTEMS DYNAMICS AND CONTROL. (4 Credits)
Attributes: HNRS – Honors Course Designator
Prerequisites: (ME 317 with C or better or ME 317H with C or better or (ECE 351 with C or better and ECE 352 [C] and (ENGR 212 [C] or ENGR 212H [C])]
Equivalent to: ECE 451, ME 430

ME 452H. THERMAL AND FLUIDS SCIENCES LABORATORY. (4 Credits)
Course emphasis is on experiments related to thermodynamics, heat transfer, and fluid mechanics. Proper experimental methods, data and uncertainty analysis related to thermal and fluids measurements are discussed.
Attributes: HNRS – Honors Course Designator
Prerequisites: (ME 311 with C or better or ME 311H with C or better) and (ME 331 [C] or ME 331H [C]) and (ME 332 [C] or ME 332H [C])
Equivalent to: ME 452

ME 499H. SPECIAL TOPICS. (0-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: ME 499
This course is repeatable for 16 credits.

MIME 101H. INTRODUCTION TO MIME. (3 Credits)
Provides students with an overview of mechanical, industrial, manufacturing, and energy systems engineering careers and an introduction to technical areas of study. Skills necessary for success in both the academic curriculum and in the engineering profession will also be emphasized, including communication and ethics. Lec/rec.
Attributes: HNRS – Honors Course Designator
Equivalent to: MIME 101

MTH 251H. *DIFFERENTIAL CALCULUS. (4 Credits)
Differential calculus for engineers and scientists. Rates of change: the derivative, velocity, and acceleration. The algebraic rules of differential calculus and derivatives of polynomial, rational, and trigonometric functions. Maximum-minimum problems, curve sketching, and other applications. Antiderivatives and simple motion problems. Lec/rec. All courses used to satisfy MTH prerequisites must be completed with C- or better. (Bacc Core Course)
Attributes: CSMA – Core, Skills, Math; HNRS – Honors Course Designator
Prerequisites: MTH 112 with C- or better or MTH 150X with C- or better or Math Placement Test with a score of 33 or Math Placement - ALEKS with a score of 075
Equivalent to: MTH 251

MTH 252H. INTEGRAL CALCULUS. (4 Credits)
Definite integrals, elementary applications to area, force, and work. Integral tables and basic techniques of integration, calculus of logarithmic and exponential functions, polar coordinates, applications to areas, volumes, force, work, and growth and decay problems. All courses used to satisfy MTH prerequisites must be completed with C- or better.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 251 with C- or better or MTH 251H with C- or better
Equivalent to: MTH 252

MTH 254H. VECTOR CALCULUS I. (4 Credits)
Vectors, vector functions, and curves in two and three dimensions. Surfaces, partial derivatives, gradients, and directional derivatives. Multiple integrals in rectangular, polar, cylindrical, and spherical coordinates. Physical and geometric applications. Lec/rec. All courses used to satisfy MTH prerequisites must be completed with C- or better.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 252 with C- or better or MTH 252H with C- or better
Equivalent to: MTH 254

MTH 254H. VECTOR CALCULUS II. (4 Credits)
Brief review of vector functions, space curves, gradients, and directional derivatives. Introduction to vector analysis: vector fields, divergence, curl, line integrals, surface integrals, conservative fields, and the theorems of Gauss and Stokes with applications to force, work, mass, and charge. All courses used to satisfy MTH prerequisites must be completed with C- or better.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 254 with C- or better or MTH 254H with C- or better
Equivalent to: MTH 255
MTH 256H. APPLIED DIFFERENTIAL EQUATIONS. (4 Credits)
First order linear and nonlinear equations, and second order linear equations. Applications to electric circuits and mechanical oscillators. Introduction to the Laplace transform and higher order equations. Solution methods and applications appropriate for science and engineering. (Familiarity with complex numbers and Euler’s identities is highly desirable.) All courses used to satisfy MTH prerequisites must be completed with C- or better.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 254 with C- or better or MTH 254H with C- or better
Equivalent to: MTH 256

MTH 306H. MATRIX AND POWER SERIES METHODS. (4 Credits)
Introduction to matrix algebra, determinants, systematic solution to linear systems, and eigenvalue problems. Convergence and divergence of series with emphasis on power series, Taylor series expansions, convergence tests for power series, and error estimates for truncated series used in practical approximations. Lec/rec. All courses used to satisfy MTH prerequisites must be completed with C- or better.
Attributes: HNRS – Honors Course Designator
Prerequisites: MTH 252 with C- or better or MTH 252H with C- or better
Equivalent to: MTH 306

MTH 399H. SPECIAL TOPICS. (1-16 Credits)
This course is repeatable for 16 credits.
Attributes: HNRS – Honors Course Designator

MUS 101H. *MUSIC APPRECIATION I: SURVEY. (3 Credits)
Dealing primarily with the Western classical tradition, the course focuses on developing perceptive listening skills through the study of musical forms and styles. For non-majors. (FA) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator; LACF – Liberal Arts Fine Arts Core
Equivalent to: MUS 101
This course is repeatable for 16 credits.

MUS 102H. *MUSIC APPRECIATION II: PERIODS AND GENRES. (3 Credits)
A study of the masterworks of a single era (such as Baroque, classic, romantic, twentieth century) or a genre (such as orchestra, chamber, opera, musical theatre). See Schedule of Classes for topic being offered. For non-majors. Need not be taken in order. (FA) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator; LACF – Liberal Arts Fine Arts Core
Equivalent to: MUS 102
This course is repeatable for 12 credits.

MUS 108H. *MUSIC CULTURES OF THE WORLD. (3 Credits)
Survey of the world’s music with attention to musical styles and cultural contexts. Included are Oceania, Indonesia, Africa, Asia, Latin America. (See Schedule of Classes for subject being offered.) For non-majors. (NC) (Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core
Equivalent to: MUS 108
This course is repeatable for 18 credits.

MTH 399. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: MTH 399
This course is repeatable for 16 credits.

MTH 311H. INTRODUCTION TO THERMAL-FLUID SCIENCES. (4 Credits)
Basic concepts of fluid mechanics, thermodynamics and heat transfer are introduced. Conservation of mass, energy, moment and the second law of thermodynamics are included. CROSSLISTED as ME 311H.
Attributes: HNRS – Honors Course Designator
Prerequisites: (ENGR 212 with C or better or ENGR 212H with C or better) and (MTH 256 [C] or MTH 256H [C])
Equivalent to: ME 311H, NSE 311

MTH 312H. THERMODYNAMICS. (4 Credits)
Energy destruction, machine and cycle processes, law of corresponding states, non-reactive gas mixtures, reactive mixtures, thermodynamics of compressible fluid flow. CROSSLISTED as ME 312H.
Attributes: HNRS – Honors Course Designator
Prerequisites: (NSE 311 with C or better or NSE 311H with C or better or NE 311 with C or better or NE 311H with C or better or ME 311 with C or better or ME 311H with C or better) and (MTH 256 [C] or MTH 256H [C])
Equivalent to: ME 312, ME 312H, NSE 312

MTH 331H. INTRODUCTORY FLUID MECHANICS. (4 Credits)
Introduces the concepts and applications of fluid mechanics and dimensional analysis with an emphasis on fluid behavior, internal and external flows, analysis of engineering applications of incompressible pipe systems, and external aerodynamics. CROSSLISTED as ME 331H.
Attributes: HNRS – Honors Course Designator
Prerequisites: (MTH 254 with C or better or MTH 254H with C or better) and (MTH 256 [C] or MTH 256H [C]) and (ENGR 212 [C] or ENGR 212H [C]) and (NSE 311 [C] or NSE 311H [C] or ME 311 [C] or ME 311H [C] or NSE 311 [C] or NSE 311H [C] or NE 311 [C] or NE 311H [C] or NE 311H [C])
Equivalent to: ME 331, ME 331H, NSE 331

MTH 332H. HEAT TRANSFER. (4 Credits)
A treatment of conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties. CROSSLISTED as ME 332H.
Attributes: HNRS – Honors Course Designator
Prerequisites: (MTH 254 with C or better or MTH 254H with C or better) and (MTH 256 [C] or MTH 256H [C]) and (ME 311 with C or better or ME 311H with C or better or ME 311H [C]) and (ENGR 212 [C] or ENGR 212H [C]) and (NSE 311 [C] or NSE 311H [C] or ME 311 [C] or ME 311H [C] or NSE 311 [C] or NSE 311H [C] or NE 311 [C] or NE 311H [C] or NE 311H [C])
Equivalent to: ME 332, ME 332H, NSE 332

OC 399H. SPECIAL TOPICS IN OCEANOGRAPHY. (1-4 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: OC 399
This course is repeatable for 16 credits.

OC 407H. SEMINAR. (1-3 Credits)
Undergraduate seminar on current developments in the oceanographic research literature, with student presentations and group discussions. A written report may be required.
Attributes: HNRS – Honors Course Designator
Equivalent to: OC 407
This course is repeatable for 12 credits.

PAC 293H. INTERDISCIPLINARY YOGA. (1 Credit)
Basic yoga poses (asanas) using specific techniques and sequences to promote flexibility, strength, relaxation, and a sense of well-being will be used. Integrative concepts between yoga and our daily life will be examined as well as yoga in relationship to other forms of physical movement.
Attributes: HNRS – Honors Course Designator
Equivalent to: PAC 293
This course is repeatable for 11 credits.
PAC 325H. ALI: WILDERNESS FIRST AID. (1 Credit)
Fundamentals of emergency care in a non-urban environment including anatomy, physiology, injury assessment, short-term care, small-group rescues; backcountry emphasis with long-term care and evacuation complications. PAC courses may not be used to fulfill upper-division requirements.
Attributes: HNRS – Honors Course Designator
Equivalent to: PAC 325
This course is repeatable for 11 credits.

PAX 415H. TOPICS IN PEACE STUDIES. (1-16 Credits)
Selected topics relevant to the study of conflict, peace, and war. May be taken more than one time as topics vary.
Attributes: HNRS – Honors Course Designator
Equivalent to: PAX 415
This course is repeatable for 16 credits.

PH 222H. RECITATION FOR PHYSICS 211. (1 Credit)
One-hour weekly session for the development of problem-solving skills in calculus-based general physics. Lec/rec. Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: PH 222

PH 223H. RECITATION FOR PHYSICS 213. (1 Credit)
One-hour weekly session for the development of problem-solving skills in calculus-based general physics. Lec/rec. Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: PH 223

PH 223H. RECITATION FOR PHYSICS 211. (1 Credit)
One-hour weekly session for the development of problem-solving skills in calculus-based general physics. Lec/rec. Graded P/N.
Attributes: HNRS – Honors Course Designator
Equivalent to: PH 223

PH 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: PH 399
This course is repeatable for 16 credits.

PH 407H. SEMINAR. (1-16 Credits)
Departmental seminars or colloquium.
Attributes: HNRS – Honors Course Designator
Equivalent to: PH 407
This course is repeatable for 16 credits.

PHL 160H. QUESTS FOR MEANING: WORLD RELIGIONS. (4 Credits)
A survey and analysis of the search for meaning and life fulfillment represented in major religious traditions of the world, such as Hinduism, Buddhism, Taoism, Zen, Confucianism, Judaism, Christianity, and Islam. Lec/rec. (H) (Bacc Core Course) CROSSLISTED as REL 160.
Attributes: CPD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: PHL 160, REL 160, REL 160H

PHL 205H. ETHICS. (4 Credits)
Introduction to ethical theory and to the evaluation of ethical issues in society such as sexual ethics and euthanasia. Includes the study of philosophical theories of moral responsibility and moral virtue, and the philosophical ideas behind ethics debates in society. Students are encouraged to develop their own positions on ethical issues through discussion projects and term papers. Lec/rec. (H) (Bacc Core Course)
Attributes: CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: PHL 205

PHL 210H. RELIGION IN THE UNITED STATES. (4 Credits)
A thematic overview of the historical study of religion in the United States, with an eye toward ways that social and cultural contexts have shaped the religious experience of Americans in different places and times. Surveys a wide array of religious movements, groups, and individuals from the colonial period to present. CROSSLISTED as HST 210H, REL 210H. (Bacc Core Course)
Attributes: CPD – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: HST 210, HST 210H, PHL 210, REL 210, REL 210H

PHL 251H. KNOWERS, KNOWING, AND THE KNOWN. (4 Credits)
An introduction to the major debates in Western philosophy concerning the nature of reality, and the ways we come to know about that reality. One example concerns debates about the problem of skepticism: Is it possible that humans could be completely mistaken about the way the world is? Another example concerns debates about human identity and free will. Beginning with historical figures such as Descartes and Hume, the course also provides an introduction to more contemporary thinkers. (Bacc Core Course)
Attributes: CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator
Equivalent to: PHL 251

PHL 280H. ETHICS OF DIVERSITY. (4 Credits)
Uses moral philosophy to examine difference-based discrimination and prejudice in the human community. (H) (Bacc Core Course)
Attributes: CPD – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: PHL 280
PHL 295H. *FEMINISM AND THE BIBLE. (3 Credits)
Examines feminist interpretations of the Bible and pays special attention to intersections of race, social class, sexual identity, and nation in biblical interpretation. (Bacc Core Course) CROSSLISTED as ENG 295, ENG 295H, WGSS 295, WGSS 295H.
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator
Equivalent to: ENG 295, ENG 295H, PHL 295, WGSS 295, WGSS 295H

PHL 360H. *PHILOSOPHY AND THE ARTS. (4 Credits)
Major philosophical theories about art and its meaning, from ancient to modern times. How philosophers have understood beauty, the imagination, art and knowledge, art and pleasure, art and emotion. Offered every other year. (H) (Bacc Core Course)
Attributes: CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: PHL 360

PHL 371H. *PHILOSOPHIES OF CHINA. (4 Credits)
A study of the traditional philosophies of China, including Confucianism, Taoism, Mohism, Legalism, and Buddhism. Not offered every year. (NC) (Bacc Core Course)
Attributes: CPDC – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core
Equivalent to: PHL 371, REL 371

PHL 399H. SPECIAL TOPICS IN PHILOSOPHY. (1-4 Credits)
Examination of the work of a philosopher or of a specific philosophical problem; e.g., Wittgenstein, determinism, perception, philosophy of mind. May be repeated for credit when topic varies. Not offered every term.
Attributes: HNRS – Honors Course Designator
Equivalent to: PHL 399
This course is repeatable for 16 credits.

PHL 407H. *SEMINAR. (1-16 Credits)
(Writing Intensive Course)
Attributes: CWIC – Core, Skills, WIC; HNRS – Honors Course Designator
Equivalent to: PHL 407
This course is repeatable for 16 credits.

PHL 430H. HISTORY OF BUDDHIST PHILOSOPHY. (4 Credits)
Examination of the major philosophical schools, texts, and thinkers in Buddhist history, emphasizing its Indian origins, but looking beyond to the various Buddhist traditions throughout Asia. (NC)
Attributes: HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core
Equivalent to: PHL 430, REL 430

PHL 431H. BUDDHISM, NON-VIOLENCE, AND SOCIAL JUSTICE. (4 Credits)
Investigates the philosophical grounding of Buddhist ideas about non-violence, justice and social responsibility. Looks at broad-based Buddhist social activism movements and leaders; their methods of training, issues and types of actions taken by .
Attributes: HNRS – Honors Course Designator
Equivalent to: PHL 431, REL 431

PHL 434H. *SPIRITUALITY AND ECOLOGY: GREEN YOGA. (4 Credits)
An exploration of the relationship between spirituality and ecological engagement in traditional contexts and in contemporary spirituality, with a global focus on contemplative practices rooted in Indian tradition, such as yoga. CROSSLISTED as REL 432H/REL 532H.
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator
Equivalent to: PHL 434, REL 434, REL 434H

PHL 440H. *ENVIRONMENTAL ETHICS. (3 Credits)
Philosophical ideas about our ethical relationships with parts of the non-human world and future generations, with applications to current environmental issues. Includes a study of different conceptions of environmental ethics, philosophical problems in environmental ethics (such as the moral status of animals, plants, species, and ecosystems), the uses of environmental ethics by environmental groups, and selected contemporary global environmental issues such as global warming and loss of biodiversity. (H) (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: PHL 440

PHL 443H. *WORLD VIEWS AND ENVIRONMENTAL VALUES. (3 Credits)
A comparative study of world-views (secular and religious, Western and Eastern, modern and ancient) and how they affect concepts of nature, environmental values, and selected environmental issues. (Bacc Core Course) CROSSLISTED as REL 443H.
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core
Equivalent to: PHL 443, REL 443, REL 443H

PHL 444H. *BIOMEDICAL ETHICS. (4 Credits)
Application of ethical principles and decision-making processes to selected problems in medicine, health care, and biotechnology. Special attention given to end-of-life choices, reproductive rights and technologies, organ transplantation, research ethics, genetic engineering, and allocating scarce resources. An interdisciplinary focus that draws on social, legal, economic, and scientific issues in ethical decision in medicine. (H) (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator; LACN – Liberal Arts Humanities Core
Equivalent to: PHL 444, REL 444

PHL 499H. TOPICS IN PHILOSOPHY. (1-4 Credits)
Examination of the work of a philosopher or of a specific problem; e.g., Wittgenstein, determinism, perception. May be repeated for credit when topic varies. Not offered every year.
Attributes: HNRS – Honors Course Designator
Equivalent to: PHL 499
This course is repeatable for 4 credits.

PS 375H. *THE CIVIL RIGHTS MOVEMENT AND POLICIES. (4 Credits)
Political and social evolution of the civil rights movement, emphasizing events 1954-1965, and major contemporary civil rights politics and policies in the South and the nation. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: PS 375

PS 399H. CURRENT PROBLEMS IN POLITICS. (1-4 Credits)
Selected issues of recent American and international concern such as Vietnam, Central America, or similar topical issues. May be repeated for credit when topic varies.
Attributes: HNRS – Honors Course Designator
Equivalent to: PS 399
This course is repeatable for 16 credits.

PS 405H. READING AND CONFERENCE. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: PS 405
This course is repeatable for 16 credits.
PS 407H. SEMINAR. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: PS 407
This course is repeatable for 16 credits.

PSY 360H. SOCIAL PSYCHOLOGY. (4 Credits)
The study of behavior and experience in a social context. Topics include person perception, attribution, attraction and love, attitudes and attitude change, aggression and social influence and group dynamics. Applications of social psychological principles to other fields, e.g., law, health care, etc. (SS)
Attributes: HNRS – Honors Course Designator; LACS – Liberal Arts Social Core
Prerequisites: PSY 201 with D- or better and PSY 202 [D-]
Equivalent to: PSY 360

PSY 399H. SPECIAL TOPICS. (1-6 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: PSY 399
This course is repeatable for 6 credits.

PSY 499H. SPECIAL TOPICS. (1-16 Credits)
Newly emerging or specialized topics that can only be offered occasionally or for particular purposes. Each offering will be structured with a syllabus.
Attributes: HNRS – Honors Course Designator
Equivalent to: PSY 499

QS 262H. *INTRODUCTION TO QUEER STUDIES. (3 Credits)
Centering itself on activism and scholarship, this course examines homophobia's and transphobia's relationship with racism, colonialism, sexism, ableism, classism and other forms of oppression. Introduces key concepts, histories, and political frameworks within Lesbian, Gay, Bisexual, Transgender, and Queer political movements. (Bacc Core Course) CROSSLISTED as WGSS 262H.
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: QS 262, WGSS 262, WGSS 262H

QS 364H. *TRANSGENDER POLITICS. (3 Credits)
Addresses transgender politics—including transgender, genderqueer, and gender non-conforming issues—through feminist and intersectional approaches by analyzing transgender theories, arts, and activism. (Bacc Core Course) CROSSLISTED as WGSS 364H.
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: QS 364, WGSS 364, WGSS 364H

REL 160H. *QUESTS FOR MEANING: WORLD RELIGIONS. (0-4 Credits)
A survey and analysis of the search for meaning and life fulfillment represented in major religious traditions of the world, such as Hinduism, Buddhism, Taoism, Zen, Confucianism, Judaism, Christianity, and Islam. Lec/rec. (H) (Bacc Core Course) CROSSLISTED as PHL 160H.
Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: PHL 160, PHL 160H, REL 160

REL 210H. *RELIGION IN THE UNITED STATES. (4 Credits)
A thematics overview of the historical study of religion in the United States, with an eye toward ways that social and cultural contexts have shaped the religious experience of Americans in different places and times. Surveys a wide array of religious movements, groups, and individuals from the colonial period to present. (Bacc Core Course) CROSSLISTED as HST 210H, PHL 210H.
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: HST 210, HST 210H, PHL 210, PHL 210H, REL 210

REL 434H. *SPIRITUALITY AND ECOLOGY: GREEN YOGA. (4 Credits)
An exploration of the relationship between spirituality and ecological engagement in traditional contexts and in contemporary spirituality, with a global focus on contemplative practices rooted in Indian tradition, such as yoga. CROSSLISTED as REL 434H, REL 534H.
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator
Equivalent to: PHL 434, PHL 434H, REL 434

REL 443H. *WORLD VIEWS AND ENVIRONMENTAL VALUES. (3 Credits)
A comparative study of world-views (secular and religious, Western and Eastern, modern and ancient) and how they affect concepts of nature, environmental values, and selected environmental issues. (NC) (Bacc Core Course) CROSSLISTED as PHL 443H.
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core
Equivalent to: PHL 443, PHL 443H, REL 443

REL 444H. *BIOMEDICAL ETHICS. (4 Credits)
Application of ethical principles and decision-making processes to selected problems in medicine, health care, and biotechnology. Special attention given to end-of-life choices, reproductive rights and technologies, organ transplantation, research ethics, genetic engineering, and allocating scarce resources. An interdisciplinary focus that draws on social, legal, economic, and scientific issues in ethical decisions in medicine. (H) (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: PHL 444, PHL 444H, REL 444

RNG 299H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: RNG 299
This course is repeatable for 16 credits.

SOC 312H. *SOCIOLOGY OF THE FAMILY. (4 Credits)
Survey of the family as a social institution. Addresses historical and cultural perspectives with emphasis on family diversity, variations in family form and life style, interdependence between family and other institutions, analysis of major family issues, forces for change in the family. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Prerequisites: SOC 204 with D- or better or SOC 204H with D- or better
Equivalent to: SOC 312

SOC 399H. SPECIAL TOPICS. (1-16 Credits)
Selected topics of special or current interest not covered in other courses.
Attributes: HNRS – Honors Course Designator
Prerequisites: SOC 204 with D- or better or SOC 204H with D- or better
Equivalent to: SOC 399
This course is repeatable for 16 credits.
SOC 444H. INSIDE-OUT: PRISONS, COMMUNITIES, AND PREVENTION. (4 Credits)
Course takes place in a state correctional facility, with OSU students learning alongside "inside" students from the facility for a full quarter. Course content examines prisons, communities, crime, and prevention from a sociological perspective. All students participate in service-learning projects.
Attributes: HNRS – Honors Course Designator
Prerequisites: SOC 204 with C or better
Equivalent to: SOC 444

SOC 499H. SPECIAL TOPICS. (1-16 Credits)
Selected topics of special or current interest not covered in other courses. For advanced undergraduate and graduate students.
Attributes: HNRS – Honors Course Designator
Equivalent to: SOC 499
This course is repeatable for 16 credits.

SOIL 199H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: SOIL 199
This course is repeatable for 16 credits.

SOIL 299H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: SOIL 299
This course is repeatable for 16 credits.

SOIL 405H. READING AND CONFERENCE. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: SOIL 405
This course is repeatable for 16 credits.

ST 351H. INTRODUCTION TO STATISTICAL METHODS. (4 Credits)
Study designs, descriptive statistics, collecting and recording data, probability distributions, sampling distributions for means and proportions, hypothesis testing and confidence intervals for means and proportions in one- and two-sample inference, and chi-square tests. Lec/rec.
Attributes: HNRS – Honors Course Designator
Equivalent to: ST 351

TA 147H. *INTRODUCTION TO THE THEATRE. (3 Credits)
Origins, history, nature, elements, and style of theatre production; function of artists and craftspeople of the theatre. (FA) (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: TA 147

TA 250H. WORKSHOP: THEATRE ARTS. (1-3 Credits)
Practical experience in performance, technical theatre, or design. Maximum for 6 credits may be applied toward graduation.
Attributes: HNRS – Honors Course Designator
Equivalent to: TA 250
This course is repeatable for 6 credits.

TA 360H. *MULTICULTURAL AMERICAN THEATRE. (3 Credits)
Examines the rich panorama of multicultural-American theatre (e.g., African-American, gay and lesbian, Hispanic, Asian American). (H) (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core
Equivalent to: TA 360

TA 407H. SEMINAR. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: TA 407
This course is repeatable for 16 credits.

TA 416H. TOPICS IN THEATRE ARTS. (3 Credits)
Lectures and explorations of theories, issues, methods, problems, and applications in theatre arts. Concentrated work in a variety of selected theatre topics. Offered as demand and staffing allow.
Attributes: HNRS – Honors Course Designator
Equivalent to: TA 416
This course is repeatable for 12 credits.

TOX 435H. *GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK. (3 Credits)
A multidisciplinary course that examines the scientific, social, political, economic, environmental, and ethical controversies surrounding agricultural and natural resource biotechnologies. Lec/rec. CROSSLISTED as BI 435H, FS 435H. (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator
Equivalent to: FES 435, TOX 435

WGSS 223H. *INTRODUCTION TO WOMEN, GENDER, AND SEXUALITY STUDIES. (3 Credits)
Multidisciplinary introduction to women, gender, and sexuality studies. Focuses on the lives and status of women in society and explores ways institutions such as family, work, media, law and religion affect different groups of women. Explores issues of gender, race, class, age, sexual orientation, size and ability. (SS) (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; CPSI – Core, Pers, Soc Proc & Inst; HNRS – Honors Course Designator; LACS – Liberal Arts Social Core
Equivalent to: WGSS 223

WGSS 230H. *WOMEN IN THE MOVIES. (3 Credits)
Examines ways women are depicted in the movies and how those depictions are created by and create larger social constructions of women. Special attention is given to the intersections of race, class, sexual identity, and age with gender. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: WGSS 230

WGSS 235H. *WOMEN IN WORLD CINEMA. (3 Credits)
Explores constructions and practices of gender in a transnational, multi-religious, and global framework by examining a wide variety of films about women around the world. (Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator
Equivalent to: WGSS 235
WGSS 240H. *GENDER AND SPORT. (3 Credits)
Focuses on sport as a gendered institution. Drawing from cultural, psychosocial, and political perspectives, the course examines intersections of gender with age, sexual orientation, social class, gender identity, race and ethnicity and politics. (Bacc Core Course)
Attributes: CPSI – Core, Pers, Soc Proc & Inst; HNRS – Honors Course Designator
Equivalent to: WGSS 240

WGSS 262H. *INTRODUCTION TO QUEER STUDIES. (3 Credits)
Centering itself on activism and scholarship, this course homophobia’s and transphobia’s relationship with racism, colonialism, sexism, ableism, classism and other forms of oppression. Introduces key concepts, histories, and political frameworks within Lesbian, Gay, Bisexual, Transgender, and Queer political movements. (Bacc Core Course) CROSSLISTED as QS 262H.
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: QS 262, QS 262H, WGSS 262

WGSS 280H. *WOMEN WORLDWIDE. (3 Credits)
Focuses on women’s experiences throughout the world and examines women's issues and status cross-culturally. (Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator
Equivalent to: WGSS 280

WGSS 295H. *FEMINISM AND THE BIBLE. (3 Credits)
Examines feminist interpretations of the Bible and pays special attention to intersections of race, social class, sexual identity, and nation in biblical interpretation. (Bacc Core Course) CROSSLISTED as ENG 295, ENG 295H, PHL 295, PHL 295H.
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator
Equivalent to: ENG 295, ENG 295H, PHL 295, PHL 295H, WGSS 295

WGSS 325H. *DISNEY: GENDER, RACE, EMPIRE. (3 Credits)
Explores constructions of gender, race, class, sexuality, and nation in the animated films of Walt Disney; introduces concepts in film theory and criticism, and develops analyses of the politics of representation. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: WGSS 325

WGSS 340H. *GENDER AND SCIENCE. (3 Credits)
Analyzes the relationship between society and science by explaining technology and science as gendered practices and bodies of knowledge. Focuses on the ways the making of women and men affect the making of science and explores the roles of women in scientific pursuits. (SS) (Bacc Core Course)
Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator; LACS – Liberal Arts Social Core
Equivalent to: WGSS 340

WGSS 360H. *MEN AND MASCULINITIES. (3 Credits)
Students will become familiar with central topics in global masculinity studies; analyze texts in diverse media; develop original arguments, and engage with issues of masculinity and representation through written and creative work. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator
Equivalent to: WGSS 360

WGSS 364H. *TRANSGENDER POLITICS. (3 Credits)
Addresses transgender politics—including transsexual, genderqueer, and gender non-conforming issues—through feminist and intersectional approaches by analyzing transgender theories, arts, and activism. (Bacc Core Course) CROSSLISTED as QS 364H.
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: QS 364, QS 364H, WGSS 364

WGSS 399H. TOPICS IN WOMEN, GENDER, AND SEXUALITY STUDIES. (1-6 Credits)
Current topics in women, gender, and sexuality. May be repeated for credit when topic varies.
Attributes: HNRS – Honors Course Designator
Equivalent to: WGSS 399
This course is repeatable for 12 credits.

WGSS 480H. *GENDER AND TRANSNATIONAL ACTIVISMS. (3 Credits)
Focuses on social constructions of gender in global context. It explores the comparative realities of various gendered struggles for social justice and studies key definitions and theoretical assumptions relevant to the subject of global feminist activism. (NC) (Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core
Prerequisites: WS 223 with D- or better or WS 223H with D- or better or WS 224 with D- or better or WGSS 223 with D- or better or WGSS 223H with D- or better or WGSS 224 with D- or better
Equivalent to: WGSS 480

WGSS 495H. *GLOBAL FEMINIST THEOLOGIES. (3 Credits)
Explores the connections between women's religious experiences around the world and the global problems addressed by feminist theology and spirituality. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator
Equivalent to: WGSS 495

WGSS 496H. *FEMINIST THEOLOGIES IN THE UNITED STATES. (4 Credits)
Explores U.S.-based feminist critiques of traditional theologies and examines feminist constructions of theologies rooted in diverse human experiences. (Bacc Core Course)
Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator
Equivalent to: WGSS 495

WLC 221H. *MASTERPIECES OF GERMAN CINEMA. (3 Credits)
An introduction to the serious study of German cinema, 1920 to present. Class lectures discussing key works of German cinema will offer a variety of historical, critical and theoretical approaches. Weekly screenings of important films accompany the lectures. Taught in English. Film fee will be required. (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator
Equivalent to: WLC 221
WLC 230H. *FRANCE TODAY: CULTURES WITHIN AND BEYOND ITS BORDERS. (3 Credits)
An exploratory study of French culture and society since 1945. Topics include: decolonization, immigration, Francophone intellectual currents, France's European vocation, and social conflict today. Conducted in English. (Bacc Core Course)
Attributes: CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator
Equivalent to: WLC 230

WLC 231H. *GERMAN DICTATORSHIPS: NAZIS AND COMMUNISTS. (3 Credits)
Introduction to the two best-known dictatorships in German society, National Socialism of the Third Reich from 1933-1945 and Socialism in the German Democratic Republic from 1949-1989 via the study of visual media (feature films, documentaries, newsreels, etc.) and other primary and secondary sources. (Bacc Core Course)
Attributes: CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator

WLC 261H. *MASTERPIECES GERMAN CINEMA. (3 Credits)
An introduction to the serious study of German cinema, 1920 to present. Class lectures discussing key works of German cinema will offer a variety of historical, critical and theoretical approaches. Weekly screenings of important films accompany the lectures. Taught in English. Film fee will be required. (Bacc Core Course)
Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator
Equivalent to: WLC 261

WLC 320H. *FRANCOPHONE CULTURES IN FILM. (3-9 Credits)
An exploration of the different cultures of France and the Francophone world through film. Students will delve into the heart of these societies and discover their socio-historical, political, economic and cultural context. Students' analytical and critical skills will be thoroughly solicited through various research and writing activities. Taught in English. (Bacc Core Course)
Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator
Equivalent to: WLC 320
This course is repeatable for 9 credits.

WLC 429H. *FRENCH SOCIETY THROUGH ITS CINEMA. (3 Credits)
An examination of French society through its own cinema. Via the screening and study of films from the various periods of French history, students will delve into the heart of French society and will discover the socio-historical, political, economic and cultural context. (Bacc Core Course)
Attributes: CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator
Equivalent to: WLC 429

WLC 499H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: WLC 499
This course is repeatable for 16 credits.

WR 121H. *ENGLISH COMPOSITION. (3 Credits)
Introduction to critical thinking, the writing process, and the forms of expository writing. Intensive writing practice, with an emphasis on revision. The term in which the student takes the course is determined alphabetically; see Schedule of Classes. (Bacc Core Course)
Attributes: CSW1 – Core, Skills, WR I; HNRS – Honors Course Designator
Equivalent to: WR 121

WR 327H. *TECHNICAL WRITING. (3 Credits)
Continued practice in writing with an emphasis on the rhetorical and critical thinking demands of writers in scientific and technological fields. (Bacc Core Course)
Attributes: CSW2 – Core, Skills, WR II; HNRS – Honors Course Designator
Prerequisites: WR 121 with C- or better or WR 121H with C- or better or Exam for Waiver - WR 121 with a score of 1
Equivalent to: WR 327

WR 399H. SPECIAL TOPICS. (1-16 Credits)
Attributes: HNRS – Honors Course Designator
Equivalent to: WR 399
This course is repeatable for 16 credits.

WSE 470H. *FORESTS, WOOD, AND CIVILIZATION. (3 Credits)
Multidisciplinary examination of issues related to the roles of forests, trees, and wood in civilization, as providers of commodities, ecosystem services, and spiritual and artistic inspiration. Issues include global supply and demand, wood ownership and political power, and perceptions and uses of forest resources in different societies. (Bacc Core Course)
Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator
Equivalent to: WSE 470