

UNIVERSITY HONORS COLLEGE

Students who complete the requirements of the Oregon State University Honors College receive OSU's most prestigious undergraduate degree: an honors baccalaureate degree (HBA, HBFA, HBM or HBS) in their major, jointly awarded by the Honors College and the college of their major.

Main HC Administrative Offices
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Administration

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Honors College

The Honors College (HC) is a small degree-granting college at Oregon State University where enrolled students work toward an Honors Baccalaureate degree in their academic major(s). The HC engages students in unique curricular and co-curricular experiences designed to help them explore the many opportunities offered by OSU. Honors undergraduates explore their full range of interests through small, hands-on courses and dive deeply into a single discipline through an immersive original research project, guided by a faculty mentor. The honors curriculum changes each year to adapt to student interests and to take full advantage of the wide-ranging expertise of Oregon State faculty.

The Honors College, in partnership with University Housing and Dining Services, maintains an honors living-learning community in West and Sackett Residence Halls.

The Honors College is available at Corvallis and OSU-Cascades.

Majors and Degrees

Students enrolled in the Honors College can pursue any one of OSU's wide range of undergraduate majors. Students who complete the requirements of the Honors College receive OSU's most prestigious undergraduate degree: an honors baccalaureate degree in their major, jointly awarded by the Honors College and the college in which their major is located. Both a four-year and a two-year track are available. The two-year track is designed for transfer students or for students already enrolled at OSU. Interested students should contact the Honors College for information.

Honors Courses

See the Schedule of Classes (<https://classes.oregonstate.edu/>) each term under Honors College (HC) and under departmental listings for courses with an H suffix. The HC publishes its own schedule, which is available each term in the HC office and on the HC website. Honors courses change annually; many are offered under departmental designators.

Admission

To be considered for admission, high school applicants must have a minimum of a 3.75 cumulative unweighted high school GPA (students who don't meet the GPA minimum can qualify with a test score of 1300 SAT or 27 ACT). Honors College admission is competitive, and decisions are based on grade-point averages, SAT or ACT scores, and responses to an essay question that reveal the student's ability to think deeply and creatively.

Entering first-year students interested in beginning the HC fall term should submit an application by either November 1 or February 1. HC applicants must also apply for admission to OSU by that time. Admission decisions are made approximately 45 days after the submission deadlines. A response to the current year HC essay question is required.

Transfer or advanced-standing applicants should submit an application by March 15th and will be notified no later than April 30th.

On-campus visits are encouraged.

Degree Requirements

The honors degree is jointly awarded by the Honors College (HC) and by the colleges of the student's major. Therefore, additional credit requirements beyond the total required by the colleges of the student's major must be completed. HC students must satisfy all university and major requirements, as well as honors requirements. A student who completes a 30-credit track of Honors College courses will be designated an Honors Scholar. A student who completes a 15-credit track will be designated as an Honors Associate. In either instance successful completion leads to receipt of an honors baccalaureate degree. Transcripts will reflect Honors College completion, honors coursework, and a research notation for the honors thesis.

Many honors classes satisfy dual requirements; please check details with an Honors College advisor. For students in majors that require a senior thesis project, the honors thesis requirements may complement those majors.

Retention Criteria

All HC students must maintain a 3.25 cumulative OSU GPA and make satisfactory progress toward fulfilling the requirements of the HC and their major. Progress in three key areas—GPA, course work, and thesis—will be reviewed every fall, winter, and spring term. Students below, or at risk of falling below, the specified 3.25 cumulative OSU GPA will be notified to come in for advising. Students who do not meet retention expectations may be removed from the college. If removed, a student has the right to petition for reinstatement.

All students must maintain contact with Honors College advisors through regularly scheduled appointments.

Undergraduate Programs

Majors

- Honors Associate (<http://catalog.oregonstate.edu/college-departments/honors/honors-associate-hba-hbfa-hbm-hbs/>)
- Honors Scholar (<http://catalog.oregonstate.edu/college-departments/honors/honors-scholar-hba-hbfa-hbm-hbs/>)

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

Prerequisite: (BA 213 with C or better or BA 213H with C or better) and (BA 270 [C] or BA 270H [C] or BA 302 [C]) and (BA 275 [C] or BA 275H [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: CPSI – Core, Pers, Soc Proc & Inst; HNRS – Honors Course Designator

Equivalent to: AEC 250

Recommended: MTH 111

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 399, AREC 399

This course is repeatable for 8 credits.

AEC 407H, SEMINAR, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: AEC 407, AREC 407, AREC 407H

This course is repeatable for 16 credits.

ALS 199H, SPECIAL TOPICS, 0-3 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: ALS 199

This course is repeatable for 9 credits.

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 311H, *PEOPLES WORLD-NORTH AMERICA, 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: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core

Equivalent to: ANTH 311

Recommended: ANTH 110 or ANTH 210 or completion of social processes and institutions requirement.

ANTH 312H, *PEOPLES WORLD-EUROPE, 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. (Bacc Core Course)

Attributes: CPWC – Core, Pers, West Culture; HNRS – Honors Course Designator

Equivalent to: ANTH 312

Recommended: ANTH 110 or ANTH 210 or completion of social processes and institutions requirement.

ANTH 313H, *PEOPLES OF THE WORLD-LATIN AMERICA, 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: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core

Equivalent to: ANTH 313

Recommended: ANTH 110 or ANTH 210 or completion of social processes and institutions requirement.

ANTH 314H, *PEOPLES OF THE WORLD-MIDDLE EAST, 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: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core

Equivalent to: ANTH 314

Recommended: ANTH 110 or ANTH 210 or completion of social processes and institutions requirement.

ANTH 315H, *PEOPLES OF THE WORLD-AFRICA, 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: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core

Equivalent to: ANTH 315

Recommended: ANTH 110 or ANTH 210 or completion of social processes and institutions requirement.

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: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core

Prerequisite: ANTH 110 with D- or better or ANTH 210 with D- or better

Equivalent to: ANTH 318

Recommended: Completion of social processes and institutions requirement

ANTH 330H, *EVOLUTION OF PEOPLE, TECHNOLOGY, AND SOCIETY, 3 Credits

Overview of the evolution and prehistory of the human species, including the development and interaction of human biology, technology, and society. (SS) (Bacc Core Course)

Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator; LACS – Liberal Arts Social Core

Equivalent to: ANTH 330

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; LACS – Liberal Arts Social Core

Equivalent to: ANTH 374

ANTH 380H, *GLOBAL CONFLICTS: ANTHROPOLOGICAL PERSPECTIVES, 3 Credits

Introduction to global conflicts. Investigates the origins of global conflicts in cultures of militarism and analyzes the historical connections of militarism with capitalism, colonialism, patriarchy, and other structures of power. Explores anthropological, historical, and interdisciplinary methods to explain the implications and wide-ranging consequences of global conflicts and militarisms and to analyze how they forge relations between people in distant places. Applies concepts and frameworks from the humanities and social sciences to generate critical and original analyses of global conflicts. Analyzes global resistance to conflict and militarization and develops creative alternatives to conflict in dialogue with peers. (SS) (Bacc Core Course)

Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACS – Liberal Arts Social Core

Equivalent to: ANTH 380

Recommended: ANTH 101, ANTH 210 or completion of non-Western Cultures requirement

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.

Attributes: 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 405H, READING AND CONFERENCE, 1-6 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: ANTH 405

This course is repeatable for 16 credits.

ANTH 407H, SEMINAR, 1-3 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: ANTH 407

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

Recommended: 6 credits of anthropology

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: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator

Equivalent to: ANTH 447

ANTH 481H, *NATURAL RESOURCES AND COMMUNITY VALUES, 3 Credits

Investigates relations between human communities and the values of community members. Resource issues integrate concepts from social science, economics, and ecology. (Bacc Core Course)

Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator

Recommended: 3 credits of social science

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.

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 163

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 167

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

Prerequisite: BA 161 with C- or better or BA 161H with C- or better

Equivalent to: BA 162, BA 168

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

Prerequisite: 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 60

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

Prerequisite: BA 211 with C- or better or BA 211H with C- or better

Equivalent to: BA 213

BA 223H, PRINCIPLES OF MARKETING, 4 Credits

Covers concepts and principles used by marketing professionals. Designed explicitly for business majors, it's an introduction to the relationships between customers, products, and companies in a competitive and dynamically evolving marketplace.

Attributes: HNRS – Honors Course Designator

Prerequisite: ECON 201 with C- or better or ECON 201H with C- or better

Equivalent to: BA 223, BA 390, BA 390H

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 240H, FINANCE, 4 Credits

Introduces basic tools of finance and applications of financial theory in use today. These tools include rates of return, the time value of money, those that can be applied to capital budgeting decisions, and the logic and fundamentals of financial statements. It is designed to enhance a student's approach to financial decision-making and emphasizes quantitative approaches to decision making. This course will also introduce students to equity and debt markets and securities, and serves as a stepping stone to advanced courses in finance.

Attributes: HNRS – Honors Course Designator

Prerequisite: (BA 211 with C- or better or BA 211H with C- or better) and (ECON 201 [C-] or ECON 201H [C-])

Equivalent to: BA 240, BA 360, BA 360H

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

Prerequisite: (BA 101 with C- or better or BA 162 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 281H, BA 291, BA 292, BA 294, BA 295, BA 353, BA 381, BA 382, BA 384, BA 385, DSGN 253

BA 260H, INTRODUCTION TO ENTREPRENEURSHIP, 4 Credits

Topics include evaluating entrepreneurial capabilities, creativity, business plan creation, opportunity assessment and feasibility analysis, business implementation, new product introduction, and seeking funds.

Attributes: HNRS – Honors Course Designator

Equivalent to: BA 260

BA 270H, BUSINESS PROCESS MANAGEMENT, 4 Credits

Introduces and integrates some core concepts from Operations Management (OM) and Business Information System (BIS) disciplines by introducing a process-oriented view of the flows of materials, information, products and services through and across organizational functions.

Helps students to: identify information-bearing events and actors, model and analyze business processes, assess and improve process efficiency, recognize probabilistic components of business processes and understand the interactions between human behavior and process design. Hands-on, case-based assignments allow for practicing some principles and concepts addressed in the course.

Attributes: HNRS – Honors Course Designator

Prerequisite: BA 275 with C- or better or BA 275H with C- or better

Equivalent to: BA 270, BA 302, BA 302H

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

Prerequisite: 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

Equivalent to: BA 253, BA 253H, BA 281, BA 291, BA 292, BA 294, BA 295, BA 353, BA 381, BA 382, BA 384, BA 385, DSGN 253

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

Prerequisite: (ECON 202 with C- or better or ECON 202H with C- or better) and (BA 230 [C-] or BA 230H [C-] or BA 330 [C-])

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

Prerequisite: (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 or COMM 218 with C- or better or COMM 218H with C- or better) and (WR 222 [C-] or WR 323 [C-] or WR 327 [C-] or WR 327H [C-] or HC 199 [C-])

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

Prerequisite: (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 or COMM 218 with C- or better or COMM 218H with C- or better) and (WR 222 [C-] or WR 323 [C-] or WR 327 [C-] or WR 327H [C-] or HC 199 [C-])
Equivalent to: BA 354, MGMT 459

BA 357H, OPERATIONS MANAGEMENT, 4 Credits

Provides an overview of the functional activities necessary for the creation/delivery of goods and services. Topics covered include: productivity; strategy in a global business environment; project management; quality management; location and layout strategies; supply chain and inventory management; material requirements planning; JIT; work-place safety; maintenance and reliability; sourcing and sustainability.

Attributes: HNRS – Honors Course Designator

Prerequisite: BA 275 with C- or better or BA 275H with C- or better or BA 276 with C- or better and (BA 270 [C-] or BA 270H [C-] or BA 302 [C-] or BA 302H [C-])

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

Prerequisite: ((BA 211 with C- or better or BA 211H with C- or better) or (BA 215 with C- or better or BA 215H with C- or better) or BA 315 with C- or better) and ((ECON 201 with C- or better or ECON 201H with C- or better) or (AEC 250 with C- or better or AEC 250H with C- or better) or AEC 251 with C- or better)

Equivalent to: BA 240, BA 240H, BA 360

BA 370H, BUSINESS INFORMATION SYSTEMS OVERVIEW, 4 Credits

Introduce 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, and the development and implementation of information systems. Use relational database models to design a real-world case study.

Attributes: HNRS – Honors Course Designator

Prerequisite: BA 270 with C- or better or BA 270H with C- or better or BA 302 with C- or better

Equivalent to: BA 370

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

Prerequisite: BA 275 with C- or better or BA 275H with C- or better

Equivalent to: BA 375

BA 390H, PRINCIPLES OF MARKETING, 4 Credits

Explores consumer and industrial markets, and activities and enterprises involved in distributing products to those markets. Develops an understanding of distribution processes, marketing problems, and marketing principles.

Attributes: HNRS – Honors Course Designator

Prerequisite: ECON 201 with C- or better or ECON 201H with C- or better or AREC 250 with C- or better or AEC 250 with C- or better or AEC 251 with C- or better

Equivalent to: BA 223, BA 223H, BA 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 system theories examined, 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: HNRS – Honors Course Designator

Equivalent to: BA 465

BA 466H, INTEGRATIVE STRATEGIC EXPERIENCE, 4 Credits

Provides students with an overview of the basic concepts in strategic management. Students learn frameworks and models to understand and analyze a firm's external environment and internal resources in an effort to create sustainable competitive advantages. Analysis and critique of conventional conceptions of business ethics. Evaluation of ethical issues involving businesses at firm, national, and international levels.

Attributes: HNRS – Honors Course Designator

Prerequisite: ((BA 240 with C- or better or BA 240H with C- or better or FIN 340 with C- or better or FIN 340H with C- or better or BA 360 with C- or better or BA 360H with C- or better) and (BA 352 [C-] or BA 352H [C-]) and (BA 357 [C-] or BA 357H [C-]) and (BA 223 [C-] or BA 223H [C-] or BA 390 [C-] or BA 390H [C-]))

Equivalent to: BA 466

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

Prerequisite: ((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 221 [C-] or BI 221H [C-]) and (BI 222 [C-] or BI 222H [C-]) and (BI 223 [C-] or BI 223H [C-])) or (BI 204 [C-] and BI 205 [C-] and BI 206 [C-])) and (CH 331 (may be taken concurrently) [C-] or CH 334 (may be taken concurrently) [C-])

Equivalent to: BB 314, BI 314, BI 314H

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

Prerequisite: (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-] or CH 271 (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

Prerequisite: 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 221H, *PRINCIPLES OF BIOLOGY: CELLS, 4 Credits

Introduction to fundamental biological concepts and theories about the chemical and molecular basis of life, structure and function, transformation of energy and matter and information flow at a cellular and molecular level. (Bacc Core Course)

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

Prerequisite: (CH 121 (may be taken concurrently) with D- or better or CH 201 (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-] or CH 271 (may be taken concurrently) [D-]))

Equivalent to: BI 221

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)

Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator

Equivalent to: BI 306

Recommended: One year of college biology and chemistry

BI 311H, GENETICS, 4 Credits

Fundamentals of Mendelian, quantitative, population, molecular, and developmental genetics. Lec/rec.

Attributes: HNRS – Honors Course Designator

Prerequisite: ((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 221 [C-] or BI 221H [C-]) and (BI 222 [C-] or BI 222H [C-]) and (BI 223 [C-] or BI 223H [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

Prerequisite: ((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 221 [C-] or BI 221H [C-]) and (BI 222 [C-] or BI 222H [C-]) and (BI 223 [C-] or BI 223H [C-])) or (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

Prerequisite: 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, 0-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: BOT 499

This course is repeatable for 16 credits.

CBEE 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.

Attributes: HNRS – Honors Course Designator

Equivalent to: CBEE 101

CBEE 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.

Attributes: HNRS – Honors Course Designator

Prerequisite: MTH 112 with C or better or MTH 251 with C or better or MTH 251H with C or better

Equivalent to: CBEE 102

CBEE 211H, MATERIAL BALANCES AND STOICHIOMETRY, 3 Credits

Material balances, thermophysical, and thermochemical calculations. Lec/rec.

Attributes: HNRS – Honors Course Designator

Prerequisite: MTH 252 with C or better or MTH 252H with C or better

Equivalent to: CBEE 211

Recommended: General chemistry and second-year standing in engineering

CBEE 212H, ENERGY BALANCES, 3 Credits

Energy balances, thermophysical and thermochemical calculations. Lec/rec.

Attributes: HNRS – Honors Course Designator

Prerequisite: (CBEE 211 with C or better or CBEE 211H with C or better) and (MTH 256 (may be taken concurrently) [C] or MTH 256H (may be taken concurrently) [C])

Equivalent to: CBEE 212

Recommended: One year general chemistry and second-year standing in engineering

CBEE 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

Prerequisite: CBEE 213 (may be taken concurrently) with C or better and CHE 311 [C] and (CHE 333 [C] or CHE 333H [C])

Equivalent to: CBEE 414

CCE 321H, CIVIL AND CONSTRUCTION ENGINEERING MATERIALS, 4 Credits

Highway materials; aggregate, concrete and asphalt. Standard test methods.

Attributes: HNRS – Honors Course Designator

Prerequisite: (ENGR 213 with C or better or ENGR 213H with C or better) and (ST 314 [C] or BA 276 [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: CPPL – Core, Pers, PhySci Attached Lec; HNRS – Honors Course Designator

Prerequisite: 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 MTH 254H (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, pre-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: CPPL – Core, Pers, PhySci Attached Lec; HNRS – Honors Course Designator

Prerequisite: (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 233H, GENERAL CHEMISTRY, 4 Credits

A general chemistry sequence for students majoring in most sciences, pharmacy, and chemical engineering. CH 233H is a lecture course; CH 263H is the laboratory component. Lec/rec. (Bacc Core Course if taken with CH 263H)

Attributes: CPPL – Core, Pers, PhySci Attached Lec; HNRS – Honors Course Designator

Prerequisite: (CH 232 with C- or better or CH 232H with C- or better) or CH 222 with C- or better

Equivalent to: CH 233

CH 261H, *LABORATORY FOR CHEMISTRY 231H, 1 Credit

A general chemistry laboratory sequence for students majoring in most sciences, pharmacy, and chemical engineering. (Bacc Core Course if taken with CH 231H)

Attributes: CPPS – Core, Pers, Physical Science; HNRS – Honors Course Designator

Corequisites: CH 231H

Equivalent to: CH 261

CH 262H, *LABORATORY FOR CHEMISTRY 232H, 1 Credit

A general chemistry laboratory sequence for students majoring in most sciences, pharmacy, and chemical engineering. (Bacc Core Course if taken with CH 232H)

Attributes: CPPS – Core, Pers, Physical Science; HNRS – Honors Course Designator

Prerequisite: CH 261 with D- or better or CH 261H with D- or better or CH 271 with D- or better or CH 221 with D- or better or CH 224H with D- or better

Corequisites: CH 232H

Equivalent to: CH 262

CH 263H, *LABORATORY FOR CHEMISTRY 233H, 1 Credit

A general chemistry laboratory sequence for students majoring in most sciences, pharmacy, and chemical engineering. (Bacc Core Course if taken with CH 233H)

Attributes: CPPS – Core, Pers, Physical Science; HNRS – Honors Course Designator

Prerequisite: CH 262 with D- or better or CH 262H with D- or better or CH 272 with D- or better or CH 222 with D- or better or CH 225H with D- or better

Corequisites: CH 233H

Equivalent to: CH 263

CH 361H, EXPERIMENTAL CHEMISTRY I, 3 Credits

First term of integrated laboratory program for chemistry majors highlighting techniques in organic, physical, and analytical chemistry.

First-hand experience is gained using specialized glassware, scientific equipment and instrumentation plus computers. Essential technical laboratory standards and technical writing are emphasized. Lec/lab.

Attributes: HNRS – Honors Course Designator

Prerequisite: ((CH 221 with D- or better and CH 222 [D-] and CH 223 [D-]) or (CH 224H [D-] and CH 225H [D-] and CH 226H [D-]) or ((CH 231 [D-] or CH 231H [D-]) and (CH 261 [D-] or CH 261H [D-] or CH 271 [D-]) and (CH 232 [D-] or CH 232H [D-]) and (CH 262 [D-] or CH 262H [D-] or CH 272 [D-]) and (CH 233 [D-] or CH 233H [D-]) and (CH 263 [D-] or CH 263H [D-] or CH 273 [D-])) and (MTH 251 (may be taken concurrently) [D-] or MTH 251H (may be taken concurrently) [D-]) and (PH 201 (may be taken concurrently) [D-] or PH 211 (may be taken concurrently) [D-]) or PH 211H (may be taken concurrently) [D-] and CH 334 (may be taken concurrently) [D-])

Equivalent to: CH 361

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

Prerequisite: (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

Prerequisite: (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

Prerequisite: (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

Recommended: CH 422

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

Prerequisite: (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-]) and CH 442 (may be taken concurrently) [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

Prerequisite: (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

Recommended: CH 461 or CH 461H or CH 324

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

Prerequisite: (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

Prerequisite: CHE 311 with C or better and (CHE 331 [C] or CHE 331H [C])

Equivalent to: CHE 332

CHE 333H, TRANSPORT PHENOMENA III, 3 Credits

A unified treatment using control volume and differential analysis of binary mass transfer, prediction of mass transport properties, and introduction to mass transfer operations. Lec/studio.

Attributes: HNRS – Honors Course Designator

Prerequisite: CHE 331 with C or better or CHE 331H with C or better or CHE 332 with C or better or CHE 332H with C or better

Equivalent to: CHE 333

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, CSS 499H

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. Approaches to teaching course topics vary across sections. 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

Prerequisite: 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

Prerequisite: CS 261 with C or better and (CS 225 [C] or MTH 231 [C])

Equivalent to: CS 325

CS 391H, *SOCIAL AND ETHICAL ISSUES IN COMPUTER SCIENCE, 3 Credits

In-depth exploration of the social, psychological, political, and ethical issues surrounding the computer industry and the evolving information society. (Bacc Core Course)

Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator

Equivalent to: CS 391

Recommended: CS 101 or computer literacy

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

Prerequisite: 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 216H, *PURPOSE, STRUCTURE, AND FUNCTION OF EDUCATION IN A DEMOCRACY, 3 Credits

Introduction to the historical, social, philosophical, political, legal and economic foundations of education in Oregon, the United States, and other countries in order to provide a framework from which to analyze contemporary educational and environmental issues in various schools, communities, and workplaces. (Bacc Core Course)

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

Equivalent to: ED 216

ED 407H, SEMINAR, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: ED 407, TCE 407

This course is repeatable for 16 credits.

ED 408H, WORKSHOP, 1-3 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: ED 408, TCE 408H

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, *LITS 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: CPCD – 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: CPCD – 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 220H, *TOPICS IN DIFFERENCE, POWER, AND DISCRIMINATION, 4 Credits

A comparative treatment of literary topics in the context of institutional and systematic discrimination. Not offered every year. CROSSLISTED as ENG 220/FILM 220. (H) (Bacc Core Course)

Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core

Equivalent to: ENG 220, FILM 220

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. 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. CROSSLISTED as ENG 295/PHL 295/WGSS 295. (Bacc Core Course)

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, folktales 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.

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

Analysis of linear circuits. Circuit laws and theorems. DC responses of circuits. Operational amplifier characteristics and applications. Lec/lab.

Attributes: HNRS – Honors Course Designator

Prerequisite: (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

Prerequisite: 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

Prerequisite: (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

Prerequisite: 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 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

Recommended: MTH 112 or higher

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

Attributes: HNRS – Honors Course Designator

Equivalent to: ENGR 399

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

Attributes: HNRS – Honors Course Designator

Equivalent to: ENGR 499

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 12 credits.

Available via Ecampus

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 223H, *SURVEY OF AFRICAN AMERICAN STUDIES II, 4 Credits

An interdisciplinary survey of the African American experience from World War I to the present. (Bacc Core Course)

Attributes: CPDP – Core, Perspective, Difference/Power/Discrimination; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core

Equivalent to: ES 223

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: CPCD – Core, Pers, Cult Diversity; 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 357H, *FARMWORKER JUSTICE MOVEMENTS, 4 Credits

Justice movements for farmworkers have a long and storied past in the annals of US history. This course begins with the 1960s Chicano civil rights era struggles for social justice. Focus on the varied strategies of four farmworker justice movements: United Farm Workers, Farm Labor Organizing Committee, Pinos y Campesinos Unidos Noroeste, and the Coalition of Immokalee Workers. The course is structured around the question of the movement and its various articulations. Course covers central themes and strategies that comprise the core of farmworker movements but is designed to allow students to explore other articulations they find relevant. (Bacc Core Course)

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

Equivalent to: ES 357

ES 399H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: ES 399

This course is repeatable for 16 credits.

ES 445H, *NATIVE AMERICAN SCIENCE AND TECHNOLOGY, 4 Credits

Examination of scientific and technological discovery, continuity, and change among indigenous peoples, with particular emphasis on selected communities of pre- and post-European contact North America. (Bacc Core Course) (H) (NC)

Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core; LACN – Liberal Arts Non-Western Core

Equivalent to: ES 445

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 399H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: FILM 399

This course is repeatable for 16 credits.

FILM 452H, ^STUDIES IN FILM, 4 Credits

Particular cinematographers, movements, types, conventions, or problems in film. Topics change from term to term. 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.

Recommended: Sophomore standing; 8 credits of ENG 200-level or above

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 199H, SPECIAL STUDIES, 1-16 Credits

Graded P/N.

Attributes: HNRS – Honors Course Designator

Equivalent to: FW 199

This course is repeatable for 16 credits.

FW 407H, SEMINAR, 1-16 Credits

Graded P/N. Taught at Hatfield Marine Science Center.

Attributes: HNRS – Honors Course Designator

Equivalent to: FW 407

This course is repeatable for 16 credits.

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.

GEO 407H, SEMINAR, 1-16 Credits

Graded P/N.

Attributes: HNRS – Honors Course Designator

Equivalent to: GEO 407

This course is repeatable for 12 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: CSS 335, CSS 335H, GEO 335, GEO 335H, GEOG 340, SOIL 335

GEOG 399H, SPECIAL STUDIES, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: GEOG 399

This course is repeatable for 16 credits.

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 333H, *GLOBAL PUBLIC HEALTH, 3 Credits

Introduction to the field of global health, its history, methods, and key principle; understanding global health inequities through case studies; overview of major global health prevention programs. (Bacc Core Course)

Attributes: CPSI – Core, Pers, Soc Proc & Inst; HNRS – Honors Course Designator

Equivalent to: H 333

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, decision-making, and self-responsibility in treatment and educational approaches to prevention.

Attributes: HNRS – Honors Course Designator

Prerequisite: 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

Recommended: H 480 for students in EOH (Environmental and Occupational Health) minors. H 250 for students in the HMP (Health Management and Policy) option. H 225 and H 320 for students in the HPHB (Health Promotion and Health Behavior) option

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 001, SERVICE LEARNING, 0 Credits

Engage in a service-learning or community engagement experience where skills and knowledge are applied to meet an authentic community-identified need. The experience will integrate meaningful community service with reflection. Through readings and discussions, critically reflect on the service in order to increase understanding of the discipline, gain a broader appreciation of the discipline, enhance a sense of civic responsibility, and strengthen connections with communities.

Attributes: HNRS – Honors Course Designator

HC 002, LEADERSHIP, 0 Credits

Provides basic personal and interpersonal leadership skills that can be used within and outside of a work setting. Through practice, the leadership experience helps explore motivation, decision-making, time management, power, team building, conflict, ethics, dealing with change, communication skills, and diversity issues.

Attributes: HNRS – Honors Course Designator

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

Prerequisite: WR 121 with D- or better or WR 121H with D- or better

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 18 credits.

Available via Ecampus

HC 408, WORKSHOP, 1-16 Credits

Attributes: HNRS – Honors Course Designator

This course is repeatable for 16 credits.

Available via Ecampus

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.

Recommended: 6 credits of HDFS, SOC or PSY

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 201H, *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 pre-Columbian and colonial origins to 1820. HST 201, HST 202, HST 203 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 201

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 HST 210/PHL 210/REL 210. (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: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core

Equivalent to: HST 317

HST 324H, *ANCIENT JEWISH HISTORY, 4 Credits

History of Judaism from the Second Temple through the early Rabbinic period (539 BCE--200 CE). Covers historical origins and developments of Judaism including the canonization of the Bible, Jewish life in the Persian and Greco-Roman worlds, and the beginnings of Diasporic and Rabbinic Judaism. CROSSLISTED as HST 324/REL 324. (Bacc Core Course)

Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator

Equivalent to: HST 324, REL 324, REL 324H

HST 350H, *EARLY 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. CROSSLISTED as HST 350/REL 350. (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. CROSSLISTED as HST 425/REL 425 and HST 525/REL 525. (H) (Bacc Core Course)

Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core

Equivalent to: HST 425, REL 425, REL 425H

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 and HST 465/HST 565 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

Recommended: HST 201 and HST 202 and HST 203 or upper-division standing

HST 499H, SPECIAL TOPICS, 1-16 Credits**Attributes:** HNRS – Honors Course Designator**Equivalent to:** HST 499*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 417H, *^HISTORY OF MEDICINE, 4 Credits**

History of medical theory and the changing role of the physician; internal development of medicine as a discipline as well as a profession; relationship of medicine's development to general changes in science and culture. (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 417**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 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 ME 311/NSE 311.

Attributes: HNRS – Honors Course Designator

Prerequisite: (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, NE 311, NE 311H, NSE 311, NSE 311H

ME 312H, THERMODYNAMICS, 4 Credits

Analyzes exergy destruction, machine and cycle processes, law of corresponding states, non-reactive gas mixtures, reactive mixtures, thermodynamics of compressible fluid flow. CROSSLISTED as ME 312/NSE 312.

Attributes: HNRS – Honors Course Designator

Prerequisite: ME 311 with C or better or ME 311H with C or better or 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

Equivalent to: ENGR 312, ME 312, NE 312, NE 312H, NSE 312, NSE 312H

ME 317H, INTERMEDIATE DYNAMICS, 4 Credits

Continues 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

Prerequisite: (ENGR 212 with C or better or ENGR 212H with C or better) and (MTH 256 [C] or MTH 256H [C]) and (ENGR 112 [C] or CS 161 [C] or CBEE 102 [C] or NSE 115 [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 ME 331/ NSE 331.

Attributes: HNRS – Honors Course Designator

Prerequisite: ENGR 311 with C or better or ENGR 311H with C or better or ME 311 with C or better or ME 311H with C or better or 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

Equivalent to: ENGR 331, ENGR 331H, ME 331, NE 331, NE 331H, NSE 331, NSE 331H

ME 332H, HEAT TRANSFER, 4 Credits

Analyzes conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties. CROSSLISTED as ME 332/NSE 332.

Attributes: HNRS – Honors Course Designator

Prerequisite: ME 331 with C or better or ME 331H with C or better or NSE 331 with C or better or NSE 331H with C or better or NE 331 with C or better or NE 331H with C or better

Equivalent to: ME 332, NE 332, NE 332H, NSE 332, NSE 332H

ME 373H, MECHANICAL ENGINEERING METHODS, 4 Credits

Analytical and numerical methods for solving representative mechanical engineering problems. Lec/rec.

Attributes: HNRS – Honors Course Designator

Prerequisite: (ENGR 112 with C or better or ENGR 112H with C or better) and (MTH 256 [C] or MTH 256H [C]) and MTH 341 [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

Prerequisite: ENGR 248 with C or better and ME 250 (may be taken concurrently) [C] and (PH 211 [C] or PH 211H [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

Prerequisite: ME 316 with C or better and ME 250 (may be taken concurrently) [C] and (ENGR 212 [C] or ENGR 212H [C]) and ENGR 213 [C]

Equivalent to: ME 383

ME 405H, READING AND CONFERENCE, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: ME 405

This course is repeatable for 9 credits.

ME 422H, MECHANICAL VIBRATIONS, 4 Credits

Dynamic response of single and multiple degree-of-freedom systems.

Attributes: HNRS – Honors Course Designator

Prerequisite: 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

Modeling and analysis of linear continuous systems in time and frequency domains. Fundamentals of single-input-single-output control system design. CROSSLISTED as ECE 451/ME 430.

Attributes: HNRS – Honors Course Designator

Prerequisite: (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

Prerequisite: (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 231H, ELEMENTS OF DISCRETE MATHEMATICS, 4 Credits

Elementary logic and set theory, functions, direct proof techniques, contradiction and contraposition, mathematical induction and recursion, elementary combinatorics, basic graph theory, minimal spanning trees. All courses used to satisfy MTH prerequisites must be completed with C- or better.

Attributes: HNRS – Honors Course Designator

Prerequisite: MTH 111 with C- or better or Math Placement Test with a score of 24 or Math Placement - ALEKS with a score of 060

Equivalent to: MTH 231

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

Prerequisite: 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

Prerequisite: 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

Prerequisite: MTH 252 with C- or better or MTH 252H with C- or better

Equivalent to: MTH 254

MTH 255H, 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

Prerequisite: 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

Prerequisite: MTH 254 with C- or better or MTH 254H with C- or better

Equivalent to: MTH 256

MTH 264H, INTRODUCTION TO MATRIX ALGEBRA, 2 Credits

Introduction to matrix algebra: systematic solution to systems of linear equations; linear transformations; eigenvalue problems.

Attributes: HNRS – Honors Course Designator

Prerequisite: MTH 252 with C- or better or MTH 252H with C- or better

MTH 265H, INTRODUCTION TO SERIES, 2 Credits

Convergence and divergence of numerical series, including geometric series. Series of functions. Power series and their analytic properties. Taylor series expansions and Taylor polynomials.

Attributes: HNRS – Honors Course Designator

Prerequisite: MTH 252 with C- or better or MTH 252H with C- or better

Equivalent to: MTH 265

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

Prerequisite: MTH 252 with C- or better or MTH 252H with C- or better

Equivalent to: MTH 306

MTH 399H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: MTH 399

This course is repeatable for 16 credits.

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

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). 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. 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.

NR 499H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: NR 499

This course is repeatable for 16 credits.

NSE 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 311/NSE 311.

Attributes: HNRS – Honors Course Designator

Prerequisite: (ENGR 212 with C or better or ENGR 212H with C or better) and (MTH 256 [C] or MTH 256H [C])

Equivalent to: ME 311, ME 311H, NE 311H, NSE 311

NSE 312H, THERMODYNAMICS, 4 Credits

Analyzes exergy destruction, machine and cycle processes, law of corresponding states, non-reactive gas mixtures, reactive mixtures, thermodynamics of compressible fluid flow. CROSSLISTED as ME 312/NSE 312.

Attributes: HNRS – Honors Course Designator

Prerequisite: ME 311 with C or better or ME 311H with C or better or 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

Equivalent to: ENGR 312, ME 312, ME 312H, NE 312, NE 312H, NSE 312

NSE 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 331/NSE 331.

Attributes: HNRS – Honors Course Designator

Prerequisite: ENGR 311 with C or better or ENGR 311H with C or better or ME 311 with C or better or ME 311H with C or better or 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

Equivalent to: ENGR 331, ENGR 331H, ME 331, ME 331H, NE 331, NE 331H, NSE 331

NSE 332H, HEAT TRANSFER, 4 Credits

Analyzes conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties. CROSSLISTED as ME 332/NSE 332.

Attributes: HNRS – Honors Course Designator

Prerequisite: ME 331 with C or better or ME 331H with C or better or NSE 331 with C or better or NSE 331H with C or better or NE 331 with C or better or NE 331H with C or better

Equivalent to: ME 332, ME 332H, NE 332, NE 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 145H, DANCE: MODERN I, 1 Credit

Introduction to modern dance movement fundamentals. Technique, stretch, strength, and alignment are included, as well as an appreciation for movement expression. No previous dance experience needed. Additional fee for accompanist.

Attributes: HNRS – Honors Course Designator

Equivalent to: PAC 145

This course is repeatable for 11 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.

PBG 199H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: PBG 199

This course is repeatable for 16 credits.

PBG 299H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: PBG 299

This course is repeatable for 16 credits.

PBG 405H, READING AND CONFERENCE, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: PBG 405

This course is repeatable for 16 credits.

PBG 499H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: PBG 499

This course is repeatable for 16 credits.

PH 104H, *DESCRIPTIVE ASTRONOMY, 4 Credits

Historical and cultural context of discoveries concerning planets and stars and their motions. Topics include the solar system, the constellations, birth and death of stars, pulsars and black holes. An accompanying laboratory is used for demonstrations, experiments, and projects, as well as for outdoor observations. Lec/lab. (Bacc Core Course)

Attributes: CPPS – Core, Pers, Physical Science; HNRS – Honors Course Designator

Equivalent to: PH 104

PH 211H, *GENERAL PHYSICS WITH CALCULUS, 4 Credits

A comprehensive introductory survey course intended primarily for students in the sciences and engineering. Topics include mechanics, wave motion, thermal physics, electromagnetism, and optics. Elementary calculus is used. Laboratory work accompanies the lectures. Lec/lab/rec. (Bacc Core Course)

Attributes: CPPS – Core, Pers, Physical Science; HNRS – Honors Course Designator

Equivalent to: PH 211

Recommended: MTH 251 and concurrent enrollment in MTH 252 and a PH 211 recitation section

PH 212H, *GENERAL PHYSICS WITH CALCULUS, 4 Credits

A comprehensive introductory survey course intended primarily for students in the sciences and engineering. Topics include mechanics, wave motion, thermal physics, electromagnetism, and optics. Elementary calculus is used. Laboratory work accompanies the lectures. Lec/lab. (Bacc Core Course)

Attributes: CPPS – Core, Pers, Physical Science; HNRS – Honors Course Designator

Prerequisite: PH 211 with D- or better or PH 211H with D- or better

Equivalent to: PH 212

Recommended: MTH 252 and concurrent enrollment in PH 222 and MTH 254

PH 213H, *GENERAL PHYSICS WITH CALCULUS, 4 Credits

A comprehensive introductory survey course intended primarily for students in the sciences and engineering. Topics include mechanics, wave motion, thermal physics, electromagnetism, and optics. Elementary calculus is used. Laboratory work accompanies the lectures. Lec/lab/rec. (Bacc Core Course)

Attributes: CPPS – Core, Pers, Physical Science; HNRS – Honors Course Designator

Equivalent to: PH 213

Recommended: MTH 254 and (PH 212 or PH 212H). Concurrent enrollment in a recitation section is strongly recommended.

PH 221H, 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

Prerequisite: PH 211 (may be taken concurrently) with D- or better or PH 211H (may be taken concurrently) with D- or better

Equivalent to: PH 221

PH 222H, RECITATION FOR PHYSICS 212, 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

Prerequisite: PH 212 (may be taken concurrently) with D- or better or PH 212H (may be taken concurrently) with D- or better

Equivalent to: PH 222

Recommended: Concurrent enrollment in PH 212 or PH 212H

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

Prerequisite: PH 213 (may be taken concurrently) with D- or better or PH 213H (may be taken concurrently) with D- or better

Equivalent to: PH 223

Recommended: Concurrent enrollment in PH 213

PH 313H, *ENERGY ALTERNATIVES, 3 Credits

Exploration of the challenges and opportunities posed by dwindling resources; physical and technological basis of our current energy alternatives; new or controversial technologies such as nuclear or solar power; overview of resource availability, patterns of energy consumption, and current governmental policies. (Bacc Core Course)

Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator

Equivalent to: PH 313

Recommended: Upper-division standing and 12 credits of introductory science

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. CROSSLISTED as PHL 160/REL 160. (H) (Bacc Core Course)

Attributes: CPCD – 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 210/PHL 210/REL 210. (Bacc Core Course)

Attributes: CPDP – 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 275H, *INTRODUCTION TO DISABILITY STUDIES, 4 Credits

Introduces core concepts and themes in the multidisciplinary field of disability studies. Analyzes disability as a product of discriminatory, oppressive, and inaccessible built environments and societies. Explores disability pride, culture, and community as alternatives to medical and charity models of disability. (Bacc Core Course)

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

Equivalent to: PHL 275

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: CPDP – 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. CROSSLISTED as ENG 295/PHL 295/WGSS 295. (Bacc Core Course)

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

Recommended: 3 credits of philosophy or upper-division standing

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. CROSSLISTED as PHL 371/REL 371. (NC) (Bacc Core Course)

Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core

Equivalent to: PHL 371, REL 371

Recommended: 3 credits of philosophy or upper-division standing

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.

Recommended: 3 credits of upper-division philosophy

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.

Recommended: Two upper-division philosophy courses and sophomore standing

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. CROSSLISTED as PHL 430/REL 430 and PHL 530/REL 530. (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 'Socially Engaged Buddhists' living Buddhist traditions. CROSSLISTED as PHL 431/REL 431 and PHL 531/REL 531.

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 PHL 434/REL 434 and PHL 534/REL 534.

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

Recommended: PHL 205 and PHL 342 and PHL 365 or 6 credits of philosophy and sophomore standing

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. CROSSLISTED as PHL 443/REL 443 and PHL 543/REL 543. (Bacc Core Course) (NC)

Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core

Equivalent to: PHL 443, REL 443, REL 443H

Recommended: One introductory-level science course and sophomore standing

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 decisions in medicine. CROSSLISTED as PHL 444/REL 444 and REL 544/REL 544. (H) (Bacc Core Course)

Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core

Equivalent to: PHL 444, REL 444, REL 444H

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.

Recommended: 6 credits of upper-division philosophy, sophomore standing

PS 110H, *GOVERNING AFTER THE ZOMBIE APOCALYPSE, 3 Credits

Constitution-writing in a post-apocalyptic world. Students write a constitution that addresses issues of difference, power, and discrimination. (Bacc Core Course)

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

Equivalent to: PS 110

PS 366H, *FROM ATLANTIS TO UTOPIA: THE POLITICS OF THE IDEAL STATE, 4 Credits

The search for the ideal state has occupied political philosophy since antiquity. From Plato's Atlantis story through More's utopia and beyond, philosophers, writers and filmmakers have pondered how to create a perfect state with perfect citizens which will stand the test of time. Each week will combine theoretical reflections from antiquity through post-modernity with a selection of examples from more or less contemporary fiction that will ideally already be known to the audience. (Bacc Core Course)

Attributes: CPSI – Core, Pers, Soc Proc & Inst; HNRS – Honors Course Designator

Equivalent to: PS 366

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 201H, *GENERAL PSYCHOLOGY, 4 Credits

Scientific study of behavior and experience. Neuroscience; sensation and perception; conditioning, learning and memory; thinking, problem solving, language, intelligence, and consciousness. (SS) (Bacc Core Course)

Attributes: CPSI – Core, Pers, Soc Proc & Inst; HNRS – Honors Course Designator; LACS – Liberal Arts Social Core

Equivalent to: PSY 201

PSY 202H, *GENERAL PSYCHOLOGY, 4 Credits

Scientific study of behavior and experience. Motivation and emotion; personality; social psychology, human development, psychopathology and psychotherapy. (SS) (Bacc Core Course)

Attributes: CPSI – Core, Pers, Soc Proc & Inst; HNRS – Honors Course Designator; LACS – Liberal Arts Social Core

Equivalent to: PSY 202

PSY 298H, QUANTITATIVE METHODS IN PSYCHOLOGICAL SCIENCE, 4 Credits

Foundational course explores quantitative methods in psychological science to prepare students for further study in research methods in psychological science. Topics include descriptive statistics, hypothesis testing, correlation, one-way or two-way ANOVA, regression, controversies and emerging practices in open psychological science.

Attributes: HNRS – Honors Course Designator

Prerequisite: (PSY 201 with C- or better or PSY 201H with C- or better) and (PSY 202 [C-] or PSY 202H [C-]) and MTH 105 [C-] and ST 201 [C-] and (PHL 121 [C-] or WR 222 [C-] or WR 327 [C-])

Equivalent to: PSY 298

PSY 299H, SPECIAL TOPICS, 0-6 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: PSY 299

This course is repeatable for 30 credits.

PSY 340H, COGNITION, 4 Credits

Theories, research and applications concerning cognition. Topics include perception, attention, memory, learning, thinking and language.

Attributes: HNRS – Honors Course Designator; LACS – Liberal Arts Social Core

Prerequisite: PSY 201 with D- or better and PSY 202 [D-]

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

Prerequisite: 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 30 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. CROSSLISTED as QS 262/WGSS 262. (Bacc Core Course)

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 transsexual, genderqueer, and gender non-conforming issues—through feminist and intersectional approaches by analyzing transgender theories, arts, and activism.

CROSSLISTED as QS 364/WGSS 364. (Bacc Core Course)

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. CROSSLISTED as PHL 160/REL 160. (H) (Bacc Core Course)

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 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 210/PHL 210/REL 210. (Bacc Core Course)

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

Equivalent to: HST 210, HST 210H, PHL 210, PHL 210H, REL 210

REL 324H, *ANCIENT JEWISH HISTORY, 4 Credits

History of Judaism from the Second Temple through the early Rabbinic period (539 BCE–200 CE). Covers historical origins and developments of Judaism including the canonization of the Bible, Jewish life in the Persian and Greco-Roman worlds, and the beginnings of Diasporic and Rabbinic Judaism. CROSSLISTED as HST 324/REL 324. (Bacc Core Course)

Attributes: CPCD – Core, Pers, Cult Diversity; HNRS – Honors Course Designator

Equivalent to: HST 324, HST 324H, REL 324

REL 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. CROSSLISTED as HST 425/REL 425 and HST 525/REL 525. (H) (Bacc Core Course)

Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACH – Liberal Arts Humanities Core

Equivalent to: HST 425, HST 425H, REL 425

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 PHL 434/REL 434 and PHL 534/REL 534.

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. CROSSLISTED as PHL 443/REL 443 and PHL 543/REL 543. (Bacc Core Course) (NC)

Attributes: CSGI – Core, Synth, Global Issues; HNRS – Honors Course Designator; LACN – Liberal Arts Non-Western Core

Equivalent to: PHL 443, PHL 443H, REL 443

Recommended: One introductory-level science course and sophomore standing

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. CROSSLISTED as PHL 444/REL 444 and REL 544/REL 544. (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

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

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

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.

SOIL 499H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: SOIL 499

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/lab.

Attributes: HNRS – Honors Course Designator

Equivalent to: ST 351

Recommended: High school algebra with statistics

TA 147H, *INTRODUCTION TO THE THEATRE, 3 Credits

Origins, history, nature, elements, and style of theatre production; function of artists and craftspersons of the theatre. (FA) (Bacc Core Course)

Attributes: CPLA – Core, Pers, Lit and Arts; HNRS – Honors Course Designator; LACF – Liberal Arts Fine Arts 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.

Recommended: 9 credits of theatre arts

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 FES 435/TOX 435 and FES 535/MCB 535/TOX 535. (Bacc Core Course)

Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator

Equivalent to: BI 435, BI 435H, FES 435, FS 435, FS 435H, TOX 435

Recommended: One quarter each of biology and chemistry

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, WS 223, WS 223H

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, WS 235, WS 235H

WGSS 240H, *GENDER, RACE, AND SPORT, 3 Credits

Focuses on sport as a gendered and racialized institution. Drawing from cultural, psychosocial, and political perspectives students examine intersections of gender with race, sexual identity, social class, ability, age, and religion.

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 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. CROSSLISTED as QS 262/WGSS 262. (Bacc Core Course)

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, WS 280, WS 280H

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. CROSSLISTED as ENG 295/PHL 295/WGSS 295. (Bacc Core Course)

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 IN A GLOBAL CONTEXT, 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.

Attributes: HNRS – Honors Course Designator

Equivalent to: WGSS 360, WS 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.

CROSSLISTED as QS 364/WGSS 364. (Bacc Core Course)

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, WS 399, WS 399H

This course is repeatable for 12 credits.

WGSS 440H, *WOMEN AND NATURAL RESOURCES, 3 Credits

Explores the relationship between women and natural resources. In particular, the course examines the roles of policy, technology, culture, and management in women's use and control of natural resources. (Bacc Core Course)

Attributes: CSST – Core, Synthesis, Science/Technology/Society; HNRS – Honors Course Designator

Equivalent to: WGSS 440

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

Prerequisite: 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, WS 495

Recommended: WS 223 or WS 223H or WS 224 or WGSS 223 or WGSS 223H or WGSS 224 and junior standing

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, WS 496, WS 496H

Recommended: (WS 223 or WS 223H or WS 224 or WGSS 223 or WGSS 223H or WGSS 224) and junior standing

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: FR 230, FR 230H, 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

Equivalent to: GER 231H

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: GER 261, GER 261H, 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: FR 329, FR 329H, 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: FR 429, FR 429H, 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. (Bacc Core Course)

Attributes: CSW1 – Core, Skills, WR I; HNRS – Honors Course Designator

Equivalent to: WR 121

WR 224H, *INTRODUCTION TO FICTION WRITING, 3 Credits

Discussion workshop. Student work examined in context of contemporary published work. (FA) (Bacc Core Course)

Attributes: CSW2 – Core, Skills, WR II; HNRS – Honors Course Designator; LACF – Liberal Arts Fine Arts Core

Prerequisite: 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 224

Available via Ecampus

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

Prerequisite: 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

Available via Ecampus

WR 362H, *SCIENCE WRITING, 3 Credits

Students learn and practice the conventions for writing scientific material for a variety of audiences. Involves writing and research assignments, multimedia presentations, lecture, and in-class and online activities. (Bacc Core Course)

Attributes: CSW2 – Core, Skills, WR II; HNRS – Honors Course Designator

Prerequisite: WR 121 with C- or better or WR 121H with C- or better

Equivalent to: WR 362

WR 399H, SPECIAL TOPICS, 1-16 Credits

Attributes: HNRS – Honors Course Designator

Equivalent to: WR 399

This course is repeatable for 16 credits.