

Course Descriptions

All entering freshmen or transfer students with less than 30 credits must fulfill the FAU Intellectual Foundation Program (IFP) requirements to earn a degree. While the IFP classes do not necessarily relate directly to a student's major, they do provide a solid base of knowledge, which all students should possess.

FOUNDATIONS OF WRITTEN COMMUNICATIONS

(Gordon Rule - must earn a "C" or better – 6 credits required)

ENC 1101 – COLLEGE WRITING I

Reading examples of effective expository prose and writing essays practicing the forms of rhetoric. Basic freshman composition course. Students read essays, stories, articles and other written selections and write term papers and essays to improve their writing skills.

ANT 1471 – CULTURAL DIFFERENCES IN A GLOBALIZED SOCIETY

Examines cultural differences in three domains of human life: work, marriage relationships, and religion. Course is equivalent to ENC 1102 and therefore satisfies the College Writing II core course requirement. Prerequisite ENC 1101

ENC 1102 – COLLEGE WRITING II

A continuation of College Writing I. Prerequisite ENC 1101

ENC 1930 – UNIVERSITY SCHOLARS SEMINAR IN WRITING

An honors seminar in the University Scholars Program on topics in writing. Prerequisite ENC 1101

ENC 2452 – ADVANCED COMPOSITION FOR SCIENCE

Gordon Rule writing course. (7 credits) The course provides a comprehensive understanding of the concepts and principles that describe gases, solutions, chemical kinetics, chemical equilibrium, acid/base reactions, aqueous reaction chemistry, thermochemistry, chemical thermodynamics and electron reactions. The writing assignments during the semester will consist of five formal lab reports and one term paper. Must co register for Advanced General Chemistry II – CHM 2051C

NSP 1195 – BEING CARED FOR: REFLECTIONS FROM THE OTHER SIDE OF THE BED

Exploration through writing, reading, and thinking about the concept “being cared for” and its meaning to the individual as a member of society as well as a future health care professional. Course encompasses a variety of writing assignments based on readings and reflections on the situation of being nursed. Prerequisite ENC 1101

Note: These classes must be taken in sequence.

FOUNDATIONS OF SOCIETY & HUMAN BEHAVIOR

(6 credits required, select two courses from two different departments)

ANTHROPOLOGY DEPARTMENT

ANT 2000 & DISCUSSION- INTRODUCTION TO ANTHROPOLOGY

Anthropology encompasses the study of the prehistoric, historic, and contemporary development of humans as both social and biological creatures. This broad framework for studying humankind leads to the division of anthropology into four distinct fields: physical anthropology, archaeology, ethnology, and linguistic anthropology. This course surveys those fields, exploring the roots of humanity in the fossil and archaeological record and examining both the great diversity and the similarities among contemporary cultural groups.

ECONOMICS DEPARTMENT

ECO 2013 - MACROECONOMIC PRINCIPLES

Introduction to the modern theory of income determination, with emphasis on monetary and fiscal policies to achieve full employment and economic growth. (Sophomore standing is prerequisite)

ECO 2023 - MICROECONOMIC PRINCIPLES

Introduction to the determination of prices in a market economy and to the concept of scarcity and the role of prices in distributing incomes. (Sophomore standing is a prerequisite)

ECO 2002 – CONTEMPORARY ECONOMICS ISSUES

Introduction to the economists' way of thinking about social issues. Each class will discuss the important aspects of a particular social issue, develop the economic concepts and tools to study the issue, and finally apply these tools to figure out ways to resolve the issue. (Business majors cannot use this course to substitute ECO 2013 & ECO 2023).

(Note: Either ECO 2013 or ECO 2023 - not both - will count towards completion of the core. However, most Business majors are required to take both ECO 2013 and ECO 2023.)

POLITICAL SCIENCE DEPARTMENT

POS 2041 - GOVERNMENT OF THE UNITED STATES

American political institutions and processes; the constitutional and legal framework of American government; the policy-making process; national-state-local relationships; political participation, elections and public control of government.

PSYCHOLOGY DEPARTMENT

PSY 1012 - GENERAL PSYCHOLOGY

An appraisal of the antecedents and determinants of human behavior with special reference to individual differences, perception, learning, and personality formation.

PUBLIC ADMINISTRATION DEPARTMENT

PAD 2258 - CHANGING ENVIRONMENT OF SOCIETY, BUSINESS, AND GOVERNMENT

An examination of the historical, economic, legal, political and social environments of business, emphasizing policy analysis of current issues such as productivity, ethics, energy, regulation, growth management, and future forecasting.

SOCIOLOGY DEPARTMENT

SYG 1000 - INTRODUCTORY SOCIOLOGY

Examines the major principles, concepts, theories, and methods of sociology.

SYG 2010 - SOCIAL PROBLEMS

This is an introductory course focused on the theory and research related to social problems. Some of the topics covered in the course include class, race, and sexual inequality, the political economy of social problems and deviant behavior.

GEOSCIENCES DEPARTMENT

EVR 2017 - ENVIRONMENT AND SOCIETY

Introduction to the study of major environmental problems and issues confronting modern society: economic and ecosystem concepts, population patterns and dynamics, resource use and misuse, environmental quality, and environmental citizenship.

URBAN & REGIONAL PLANNING DEPARTMENT

URP 2051 - DESIGNING THE CITY

This introductory course focuses on the role of city planners and their contribution to shaping urban spaces. Explores how planners work with others to shape the community and how cities change over time.

FOUNDATIONS OF SCIENCE & THE NATURAL WORLD

(6 credits required, select two courses from two different departments)

ANTHROPOLOGY DEPARTMENT (for non-science majors)

ANT 2511 & LAB - INTRO TO BIOLOGICAL ANTHROPOLOGY & LAB

Students learn about the general topics in biological anthropology, including genetics, primatology, comparative anatomy and paleoanthropology. ANT 2511 Laboratory the students perform procedures similar to those used by professional anthropological researchers and engage in hands-on activities designed to reinforce the material presented in the lecture section.

BIOLOGY DEPARTMENT (for non-science majors)

BSC 1005 & LAB - LIFE SCIENCE & LAB

A survey of life on earth for non-majors. Evolution, anatomy, physiology, genetics, reproduction, and ecology are stressed. Lectures and discussions also demonstrate how biological knowledge is relevant to social, economic environmental and philosophical problems. Laboratory investigation of biological knowledge relevant to social, economic, environmental and philosophical problems.

CHEMISTRY DEPARTMENT (for non-science majors)

CHM 1020C - CONTEMPORARY CHEMICAL ISSUES

Basic chemical principles behind contemporary chemical issues facing the local community, state, nation and the world. Topics will include water management, global warming, depletion of the ozone layer and its consequences. Course meets lab requirement. Lab is included in lecture classes.

CHM 2083 - CHEMISTRY IN MODERN LIFE

On-line (distance learning) course. A lucid, elementary exposition of the multifaceted contribution of chemistry to modern culture, vividly illustrated by demonstration. Course does not require previous experience in chemistry in secondary school or college. Recommended for non-science, mathematics, and psychology majors. Grading: Pass/fail option.

COMPUTER SCIENCE & ENGINEERING DEPARTMENT (for non-science majors)

ETG 2831 - NATURE: INTERSECTIONS OF SCIENCE, ENGINEERING AND THE HUMANITIES

Evolutionary Process from Big-Bang to the 21st Century. Will focus on the reciprocal influences of science, to understand nature; engineering, in its attempts to harness nature; and the humanities in their essential role as shapers of values.

GEOLOGY DEPARTMENT (for non-science majors)

ESC 2070 - THE BLUE PLANET

On-line (distance learning course) Survey introduction to earth system science with an emphasis on the interactions between earth, ocean and atmosphere. Special attention will be paid to greenhouse effect, ozone depletion, and global change. Course is oriented to students not majoring in science.

GLY 2010 & LAB - PHYSICAL GEOLOGY/EVOLUTION OF THE EARTH & LAB

Covers environmental and physical geology, how planet Earth works, and the role of humans in sustaining the natural environment. Designed to convey the excitement of recent geologic discoveries and evaluate concerns in the news about diminishing resources, natural hazards and the fate of the Earth. Emphasis is on the applications of geology and its influence on contemporary trends in business, education, engineering, social science and the humanities. Slide-illustrated lectures. GLY 2010 Laboratory studies in geology, including identification of rocks and minerals; map exercises and elementary structural geological problems. Required of all students enrolled in GLY 2010.

GLY 2100 - HISTORY OF EARTH AND LIFE

An introduction to historical geology. The study of ancient continents and life forms, with special emphasis on the geologic history of the North American continent.

MET 2010 & DISCUSSION - WEATHER AND CLIMATE

Introduction to solar radiation, temperature, moisture and pressure systems of the atmosphere. Examination of the fundamental elements of weather including wind systems and storms. The global distribution of climatic zones. Impact of climate on human activity.

PHYSICS DEPARTMENT (for non-science majors)

AST 2002 - INTRODUCTION TO ASTRONOMY

The development and present state of our understanding of the universe. Designed for non-science majors; no credit for Physics majors. Grading: Pass/fail option.

PSC 2121 - PHYSICAL SCIENCE

A self-contained course for non-science majors that emphasizes analytical thinking and problem solving. It covers essential concepts in astronomy, physics, chemistry, geology and meteorology. No credit for both PSC 2121 and one of PHY 2043, PHY 2048 or 2053.

BIOLOGY DEPARTMENT (for science majors)

BSC 1011 & LAB & DISCUSSION - BIODIVERSITY WITH LAB AND DISCUSSION

An introduction and survey of organismal diversity, including fungi, protists, plants and animals. Phylogenetic relationships, evolutionary mechanisms, and ecological processes are emphasized. Origins of life and human evolution. BSC 1011 LABORATORY - A survey of the diversity of eukaryotic organisms.

BSC 2085 & LAB - ANATOMY & PHYSIOLOGY I

A study of structure and physiology from the cellular to the system levels in the human body, including integumentary, skeletal, muscular, nervous and endocrine. 4 credits w lab. Required for Nursing majors in their first semester. Also required for Exercise Science and Wellness Program.

CHEMISTRY DEPARTMENT (for science majors)

CHM 2032 & LAB - CHEMISTRY FOR HEALTH SCIENCES

An introduction to the fundamental concepts of chemistry: scientific measurements; atomic theory; molecules and chemical bonds; chemical reactions; aqueous solutions; salts and electrolytes; acid-base theory; radioactivity and nuclear chemistry. Orientation toward majors: Nursing & in the allied health fields. CHM 2032 Laboratory - Intermediate experimental studies of chemical principles.

CHM 2045 & LAB - GENERAL CHEMISTRY I

An introduction to chemical principles, including atomic structure, chemical bonding, kinetics, thermodynamics and properties of the elements. A prerequisite to all other chemistry courses in science programs. CHM 2045 Laboratory - An introduction to experimental techniques in chemistry designed to demonstrate basic chemical principles. **Students must have passed [CHM 1025](#) or must be currently enrolled or have previously passed one of the following: MAC 1105, MAC 1114, MAC 1140, MAC 1147, MAC 2233, MAC 2281, MAC 2311.**

PHYSICS DEPARTMENT (for science majors)

PHY 2043 - PHYSICS FOR ENGINEERS I

Intended for engineering majors, the course surveys fundamental laws and phenomena of mechanics, fluids, and heat. Emphasis on mathematical analysis of physical problems. Engineering majors will also have to take PHY 2048 Lab - General Physics Lab to meet major requirement. **Prerequisite: MAC 2311 or MAC 2281.**

PHY 2048 & LAB - GENERAL PHYSICS I

Intended for science majors, the course surveys the fundamental laws and phenomena of mechanics, fluids, heat, wave motion, and sound. Emphasis on mathematical analysis of physical problems. **Prerequisite: MAC 2311 or MAC 2281.**

PHY 2053 - COLLEGE PHYSICS I

The algebra - and trigonometry-based course surveys fundamental laws and phenomena of mechanics, fluids, heat, wave motion, and sound. Emphasis on understanding of physical concepts through examples drawn from the physical and life sciences. No credit for physics majors. The required lab course is PHY 2048 Lab. **Prerequisite: Minimum grade of "C" in one of the following: MAC 1114 or 1147 or 2233 or 2253 or 2241 or 2311.**

FOUNDATIONS OF MATHEMATICS & QUANTITATIVE REASONING

(Must earn a "C" or better – 6 credits required; MUST take pretest before taking first math course)

MGF 1106 - MATH FOR LIBERAL ARTS I

Systematic counting, probability, statistics, history of mathematics, geometry, sets, logic, voting techniques, graph theory. **Prerequisite: Appropriate math placement score.**

MGF 1107 - MATH FOR LIBERAL ARTS II

Financial mathematics, linear and exponential growth, history of mathematics, elementary number theory. **Prerequisite: Appropriate math placement score.**

MAC 1105 & LAB - COLLEGE ALGEBRA

Linear and quadratic functions, systems of equations and inequalities, polynomial functions and equations, complex numbers, rational exponents and radicals, matrices and determinants, exponential and logarithmic functions. **Prerequisite: [MAT 1033](#) or an appropriate score on math placement test.**

MAC 1114 - TRIGONOMETRY

Theory of trigonometric functions and their inverses, graphs, identities and conditional equations, solutions of triangles, complex numbers and polar representation. Additional topics as time permits. **Prerequisite: MAC 1105.**

MAC 1140 - PRECALCULUS ALGEBRA

Polynomial, rational, and other algebraic functions; exponential and logarithmic functions; piecewise-defined functions. Properties and graphs of functions. Polynomial and rational inequalities. Conic sections. Matrices and determinants. Sequences and series. Mathematical induction. Binomial theorem. Applications. Primarily for students in majors that require Calculus (MAC 2281 or MAC 2311) but feel they need preparation. **Prerequisite: MAC 1105.**

MAC 1147 - PRECALCULUS ALGEBRA WITH TRIGONOMETRY

Polynomial, rational, and other algebraic functions; trigonometric, inverse trigonometric, exponential and logarithmic functions; piecewise-defined functions, properties and graphs of functions. Polynomial and rational inequalities. Trigonometric identities. Conditional trigonometric equations. Conic sections. Solutions of triangles. Vector algebra. Parametric equations. Polar coordinates. Matrices and determinants. Sequences and series. Mathematical induction. Binomial theorem. Applications. **Prerequisite: MAC 1105.**

MAC 2233 - METHODS OF CALCULUS

A descriptive and intuitive introduction to the methods and applications of differentiation and integration. Primarily for social science and business administration majors. **Prerequisite: MAC 1105.**

MAC 2281 - CALCULUS FOR ENGINEERS I

Development of an engineering skill set. Topics include continuity, differentiability, differential approximations, optimization, curve sketching, transcendental and inverse functions, mean value theorem, and L'Hopital's Rule. Introduction to integration. Designed for engineering and computer science students. **Prerequisites: MAC 1147 or both MAC 1140 and MAC 1114 or appropriate math placement test score.**

MAC 2282 - CALCULUS FOR ENGINEERS II

Continuation of MAC 2281; continued development of an engineering skill set. Topics include techniques of integration, partial fractions, area, volume, work, trapezoid, Simpson's Rules, analytic geometry, polar representation of complex numbers, Taylor approximations, sequences, and series. Designed for engineering and computer science students. **Prerequisite: MAC 2281 or MAC 2311.**

MAC 2311 - CALCULUS WITH ANALYTIC GEOMETRY I

Continuity, differentiability, differential approximation, optimization and curve sketching of functions and inverse functions of a single variable, including treatment of trigonometric functions. Mean value theorem and L'Hopital's Rule. Introduction to integration. **Prerequisites: MAC 1147 or both MAC 1140 and MAC 1114.**

MAC 2312 - CALCULUS WITH ANALYTIC GEOMETRY II

Continuation of MAC 2311. Logarithmic, Exponential, hyperbolic, and inverse trigonometric functions, techniques of integration, partial fractions, area, trapezoid and Simpson's rules, volume, work; analytic geometry; Taylor approximations; sequences and series; polar representation of complex numbers. **Prerequisite: MAC 2281 or MAC 2311.**

STA 2023 - INTRODUCTORY STATISTICS

An introductory course covering descriptive statistics, probability, binomial and normal distributions, sampling distributions and hypothesis tests, and sampling procedures.

Prerequisite: MAC 1105 or MGF 1106 or MAC 2233.

PHI 2102 - LOGIC

Introduces students to various forms of reasoning and to informal fallacies. Course also includes an in-depth study of deductive syllogistic logic and concludes by introducing students to the qualification techniques and predicate logic (first order symbolic logic). Not for students in the Colleges of Business, Engineering, Nursing, Science, or Social Work majors.

FOUNDATIONS IN GLOBAL CITIZENSHIP

(6 credits required, select two courses - 1 from Western Identities & 1 from Global Perspectives)

SOCIOLOGY DEPARTMENT

SYD 2790 - RACE, CLASS, GENDER, AND SEXUALITY

Course will examine race, class, gender, and sexuality and the inequalities associated with them. **Global Citizenship - Western Identity.**

PHILOSOPHY DEPARTMENT

PHI 2010 - INTRODUCTION TO PHILOSOPHY

An introductory philosophy course that treats major issues of knowledge, ethics, society, mind and body, freedom and religion, with an emphasis on strengthening students' writing skills. Perspectives. **(Gordon Rule)**. Prerequisites: ENC 1101 and ENC 1102 or substitute with grades of "C" or better. **Global Citizenship - Western Identity.**

HISTORY DEPARTMENT

AMH 2010 - UNITED STATES HISTORY TO 1877

Study of the major themes, issues and patterns in the development of the United States to 1877. Grading: Pass/fail option. **Global Citizenship - Western Identity.**

AMH 2020 - UNITED STATES HISTORY 1877 TO PRESENT

A study of the major themes, issues and patterns in the development of the United States since 1877. Grading: Pass/fail option. **Global Citizenship - Western Identity.**

ANTHROPOLOGY DEPARTMENT

ANT 2410 - CULTURE AND SOCIETY

Perspective on the human condition by examining some of the principal cultural differences between traditional and modern societies. Using ethnographic materials, examination of how people formulate their world views (cosmology) and live by the social logics of reciprocity and kinship. These are compared with world views and social logics of markets and bureaucracy in industrial societies. **Global Citizenship - Global Perspectives.**

GEOGRAPHY DEPARTMENT

GEA 2000 & DISCUSSION - WORLD GEOGRAPHY

Examination of contemporary world problems through geographical analysis of physical, economic, social, and political systems of major countries and world regions. Credit will not be given for both GEA 2000 and GEA 3003 (for Geography majors).

Global Citizenship - Global Perspectives.

HISTORY DEPARTMENT

WOH 2012 & DISCUSSION - HISTORY OF CIVILIZATION I

A survey of civilization from earliest times to the early 18th century. Must also register for a discussion section. **(Gordon Rule)** Prerequisite: ENC 1101 with grade of "C" or better. **Global Citizenship - Global Perspectives.**

WOH 2022 - HISTORY OF CIVILIZATION II

A survey of civilization from early 18th century to the present. **Global Citizenship - Global Perspectives.**

SOCIOLOGY DEPARTMENT

SYP 2450 - GLOBAL SOCIETY

This course is designed to introduce students to the theoretical, methodological, and substantive problems of critical globalization studies - a growing field that brings social science scholars in contact with policymakers and activists. **Global Citizenship - Global Perspectives.**

POLITICAL SCIENCE DEPARTMENT

INR 2002 - INTRODUCTION TO WORLD POLITICS

Introduces language and forms of politics in a variety of social, economic and national contexts and provides the foundation for understanding the structure and dynamics of the international political system. **Global Citizenship - Global Perspectives.**

LANGUAGE, LINGUISTICS, & COMPARATIVE LITERATURE DEPARTMENT

LIN 2000 - GLOBAL PERSPECTIVES ON LANGUAGE

Introduces language and forms of politics in a variety of social, economic and national contexts and provides the foundation for understanding the structure and dynamics of the international political system. **Global Citizenship - Global Perspectives.**

CURRICULUM, CULTURE, & EDUCATIONAL INQUIRY DEPARTMENT

EDF 2854 – THE EDUCATED CITIZEN IN A GLOBAL CONTEXT

A critical examination of education as a human right through investigation of educational purpose, policy, and practice in international contexts. The impact of colonization and modernization and their challenges will be examined. **Global Citizenship - Global Perspectives.**

SOCIAL WORK DEPARTMENT

SOW 1005 - GLOBAL PERSPECTIVES ON SOCIAL SERVICES

Analyzes social service models and strategies of social service programs in industrial and developing countries. **Global Citizenship - Global Perspectives.**

FOUNDATIONS OF CREATIVE EXPRESSION

(6 credits required, select two courses from two different departments)

ARCHITECTURE DEPARTMENT

ARC 2208 - CULTURE & ARCHITECTURE

Holistic approach to the evolution of architecture as an empirical element of culture from prehistoric humankind to the present. Course is based on the interaction between the principles and concepts of architectural design and technology and the world cultures that produced and utilized them in their built environments.

ART DEPARTMENT

ARH 2000 - ART APPRECIATION

Understanding art. Lecture course with films and slides. Grading: Grade or Pass/fail option; Art and Engineering majors must take course for a regular grade.

COMMUNICATION DEPARTMENT

FIL 2000 & DISCUSSION

Introduction to film as an art form, cultural product, and social artifact. Basic analytical and technical terms, concepts, and issues. Development of critical skills. Course has Lecture and a discussion section.

ENGLISH DEPARTMENT

LIT 2010 - INTERPRETATION OF FICTION

An introduction to close reading of fiction. 3 credits. **Prerequisite: ENC 1101 and ENC 1102. (Gordon Rule - must earn a "C" or better)**

LIT 2030 - INTERPRETATION OF POETRY

An introduction to close reading of Poetry. 3 credits. **Prerequisite: ENC 1101 and ENC 1102. (Gordon Rule - must earn a "C" or better)**

LIT 2040 - INTERPRETATION OF DRAMA

An introduction to close reading of drama. 3 credits. **Prerequisite: ENC 1101 and ENC 1102. (Gordon Rule - must earn a "C" or better)**

LANGUAGE, LINGUISTICS, & COMPARATIVE LITERATURE DEPARTMENT

LIT 2100 & DISCUSSION - GLOBAL GREAT BOOKS

A variable topics course, each of the topics in Global Great Books focuses on one perennial aspect of human experience: travel, love, crime and punishment, war and peace. Each topic brings together canonical texts from Europe, Asia, Africa, and the Americas.

MUSIC DEPARTMENT

MUL 2010 - HISTORY AND APPRECIATION OF MUSIC

The study of the great works and composers in music history. Listening skills are stressed. For nonmusic majors.

THEATRE & DANCE DEPARTMENT

DAN 2100 - APPRECIATION OF DANCE

A study of the aesthetics, origins, and development of dance. Lecture, discussion, videos, and, when possible, live performances

THE 2000 - APPRECIATION OF THEATRE

Organization, process, and materials employed in theatre production. A lecture course with films and slides. For non-theatre majors.