

Interdisciplinary Courses

Subject Code	Course Number	Course Description
INTD	140	<p>Introduction to the Internet, Graphics, and Multimedia</p> <p>An introductory course exploring fundamental concepts, vocabularies, and techniques related to graphic design, digital cameras, photo editing, scanning, web design, interactive design, animation and multimedia using a variety of software programs. Students gain a broad foundation that can be applied to more advanced concepts and skills in the Information Technology discipline.</p>
INTD	160	<p>Image, Sound, and Structure: An Approach to Art and Music (Gen. Ed. Goal 5)</p> <p>An introduction to visual art and music consisting of a seven-week music module and a seven-week visual art module. The course examines the elements and principles that compose images and musical works. In a variety of experiences, conceptual and physical, students explore the components and structures necessary to create works of music and visual art. Students are active participants in creating, listening, and responding to artistic forms. Both modules emphasize the integrative possibilities of the arts and other disciplines.</p>
INTD	222	<p>Bioethics (Gen. Ed. Goal 4)</p> <p>An examination of moral issues in modern biology. Major theories of ethics, as well as biological aspects of development, genetics, genetic engineering, and the environment, are investigated. Themes such as brain death and euthanasia, abortion, scarcity of medical resources, reproductive control, patient confidentiality, and environmental issues are explored. <i>Prerequisite: One college biology course.</i></p>
INTD	225	<p>Biopsychology</p> <p>An overview of the biological foundations of behavior and mental processes. Topics covered include the biological underpinnings or various domains in psychology such as emotion, motivation, perception, cognitive function, psychopharmacology, and hormone effects on the brain and behavior. No Laboratory. <i>Prerequisite: PSYC 101 General Psychology and one of the following biology courses: BIOL 101 Biology Concepts, BIOL 142 Human Biology, or BIOL 161 Cellular and Molecular Biology; or permission of instructor.</i></p>
INTD	300	<p>Into the Ocean World</p> <p>An inter-institutional course representing a new concept in interdisciplinary teaching. Using the facilities and faculty of area colleges, the student is introduced to the oceanic environment using a multi-faceted approach. Experts in the fields of ocean science, the arts, literature, history, law and social science relate their interests to the on-going interactions of man and the marine environment. Off-campus lectures and field trips. Note: Does not supplant BIOL 341 Marine Biology or EASC 246 Oceanography. <i>Prerequisite: Junior standing, and application to the campus representative of the Massachusetts Bay Marine Studies Consortium. Application must be made one semester prior to experience.</i></p>
INTD	301	<p>Water: Planning for the Future</p> <p>An interdisciplinary introduction to our most precious resource. Water has shaped our bodies, our planet, our history, our culture. How we manage it will shape our future. Because of increasing demand, waste and pollution, we are depleting and risk destroying the limited supply of usable fresh water. This course looks at water through scientific, historical and cultural viewpoints, and surveys contemporary water problems in all their dimensions - political, economic and technological. <i>Prerequisite: Junior standing. Students must make application to the campus representative for the Massachusetts Bay Marine Studies Consortium. Applications must be made one semester prior to experience.</i></p>

INTD	302	<p>Coastal Issues Seminar: Science and Policy</p> <p>A study of outstanding issues in coastal environmental affairs. Scientific, legal, economic, management, and technical aspects of coastal issues are discussed and integrated into problem-solving exercises. <i>Prerequisite: One course in any of the following: biology, chemistry, geography, geology, engineering, environmental or urban planning. Students must make application to the campus representative of the Massachusetts Bay Marine Studies Consortium one semester prior to experience.</i></p>
INTD	310	<p>Drug Addiction</p> <p>A multidisciplinary study of the relationships of drug use, misuse, and abuse to biological and psychological health. Students explore the types of compounds that can influence brain activity, behavior and physiology. Compounds examined include alcohol and nicotine, as well as other commonly used drugs (illegal; prescription; naturopathic; and/or over-the-counter). Models for the causes, treatment, and prevention of chemical dependency are discussed along with the social implications of drug addiction. <i>Prerequisites: An introductory biology course with lab or permission of the instructor.</i></p>
INTD	371	<p>Museum Studies</p> <p>An examination of the structure and functions of museums, including collections, preservation and conservation, and phases of exhibition planning. Discussion and museum trips are included in this course. <i>Prerequisite: Open to all majors with the permission of the instructor.</i></p>
INTD	381	<p>Museum Seminar</p> <p>The development and presentation of a museum exhibition, including research, installation, catalog, publicity, and education programs. <i>Prerequisite: INTD 371 Museum Studies or permission of the instructor.</i></p>
INTD	480	<p>Honors Program Thesis/Project</p> <p>An independent study for which honors students design and complete research projects in the discipline of their major concentration. Projects may take an interdisciplinary approach. Students present their research at the Massachusetts Undergraduate Research Conference during the Spring semester. Honors theses are retained in a permanent archive in the Whittemore Library. <i>Prerequisite: Four (4) courses completed within the Honors Program.</i></p>
INTD	490	<p>Independent Study in American Studies</p> <p>An opportunity for the student minoring in American Studies to combine the knowledge and methodology of various disciplines in one project. Open only to students minoring in American Studies who have completed at least four (4) courses acceptable for the minor. Permission of the chairs of English and History Departments required.</p>
INTD	494	<p>Semester Internship in Washington D.C. (Three Course Credits)</p> <p>An internship program in Washington D.C. The work placements integrate practical knowledge with theory. Tailored learning experiences sponsored by the Washington Center are specific to students' unique talents, career objectives and major, and are selected in consultation with department supervisor. Course requirements are determined by the major department chair. <i>Prerequisites: 2.50 QPA, permission of major department chair, and Junior standing.</i></p>
INTD	495	<p>Washington Center Course</p> <p>An opportunity for a student to select a special topic course offered and taught by the Washington Center. Prior approval of the topic from the student's major department chair is required. The student supplements the in-person classes through readings, lectures, guest speakers, and site visits. Additional assignments over and above the Washington Center requirements are required by the student's major department chair. <i>Prerequisites: Approved enrollment in INTD 494 Internship in Washington and permission of major department chair.</i></p>
INTD	499	<p>Departmental Honors Program Thesis</p> <p>See page 57 in this catalog regarding the Departmental Honors Program.</p>