

Course Descriptions

COURSES LISTED AS "(SHARED)" ARE ALSO OFFERED AT ONE OR MORE OF THE VERMONT STATE COLLEGES.

ACCOUNTING (ACC)

ACC-2121 FINANCIAL ACCOUNTING 4 CREDITS

Prerequisite: Basic Math Comp.

Introduces students to the problems of external reporting as they relate to sole proprietorships, partnerships, and corporations. Students examine the various accounts found in financial statements and learn how to put these accounts together to render meaningful statements that communicate pertinent information to those who read them. (Shared course in VSC)

ACC-2122 MANAGERIAL ACCOUNTING 4 CREDITS

Prerequisite: ACC-2121.

The course explores internal accounting systems and the uses of internally generated data in management. Topics include: the use of financial accounting data, cost-volume-profit analysis, budgets and responsibility accounting, and cost allocations. (Shared course in VSC)

ACC-2230 FEDERAL TAXES 3 CREDITS

Prerequisite: ACC-2121 or ACC-2122, with C- or better.

A study of federal tax laws and regulations as contained in the Internal Revenue Code, with the emphasis on individuals and sole proprietorships. Topics include income inclusions and exclusions, deductions, capital gains and losses, sales and exchanges, basis calculations, depreciable property, tax research, tax planning, and the preparation of the various tax forms and schedules applicable to an individual or a small business. (Shared course in VSC)

ACC-2710 SPECIAL TOPICS IN ACCOUNTING 3 CREDITS

(Shared course in VSC)

ACC-2910/4910 INDEPENDENT STUDY IN ACCOUNTING 1-12 CREDITS

ACC-3011 INTERMEDIATE ACCOUNTING I 3 CREDITS

Prerequisite: ACC-2102, or ACC-2103, or ACC-2121 or ACC-2122.

This course provides an extensive study of generally accepted accounting principles as applied to the recording and reporting of asset, liability, and equity accounts, the financial statements, and the required disclosures. Computer applications, case studies, and problem solving are integral parts of this course. (Shared course in VSC)

ACC-3030 BUSINESS ACCOUNTING SYSTEMS 3 CREDITS

Prerequisite: None.

A study of the major accounting subsystems prevalent in small and medium sized businesses. Emphasis will be placed on the architecture and integration of these subsystems within the business environment. Management and control of the various subsystems will be a major emphasis in this course.

COURSE DESCRIPTIONS

ALLIED HEALTH SCIENCES (AHS)

AHS-1010 CONTEMPORARY HEALTH ISSUES 3 CREDITS

Prerequisite: None.

Examines the concept of health and the role and responsibility of individuals for their health. Emphasizes wellness and health promotion and their relationship to the quality of life. (Shared course in VSC)

AHS-1080 LIFETIME FITNESS 1 CREDIT

Prerequisite: None.

A study of the theory of wellness concepts. Topics include: wellness, physical fitness, nutrition, diet and weight control, stress management and lifestyle diseases. The impact of a wellness-promoting lifestyle is examined. Students enhance theory knowledge of wellness concepts through laboratory sessions. (Shared course in VSC)

AHS-1330 FYS: BEING HERE ON PURPOSE 3 CREDITS

Prerequisite: Open to freshmen only

Using formal and informal mindfulness techniques, students are taught to stand back from their emotions, assumptions, and expectations about the first-year college experience and learn the joy of simply being open to oneself and to the moment-to-moment experiences of what happens next. The course has papers and required readings and a home practice component where students learn to habituate the practice of mindfulness in their daily lives.

AHS-2010 MINDFULNESS MEDITATION 3 CREDITS

Prerequisite: PSY-1010. Not open to first year students.

Students are taught fundamentals of mindfulness meditation skills designed to mobilize mind/body energies for balancing and complementing personal health and spiritual wellness. Journal writing, outside readings, home practice, and 24-hour off campus retreat highlight the course experience.

AHS-2040 ADVANCED FIRST AID AND EMERGENCY CARE 4 CREDITS (WITH LAB)

Prerequisite: BIO-1210. Not open to first-year students.

This course provides the student with the knowledge and skills to function effectively in a medical emergency situation. This course consists of both lecture and laboratory experiences, and Red Cross Advanced First Aid Certification is possible.

AHS-2130 PROGRAMS FOR LIFETIME HEALTH AND FITNESS 3 CREDITS

Prerequisite: BIO-2012.

In this course, the student will learn how to develop and administer programs designed to raise fitness/wellness level of individuals at home, in fitness clubs and in the workplace. Contra-indications for exercise for specific populations are discussed.

AHS-2810/4810 INTERNSHIP IN ALLIED HEALTH SCIENCE 1-12 CREDITS

(Shared Course in VSC)

COURSE DESCRIPTIONS

AHS-2910/4910 INDEPENDENT STUDY IN ALLIED HEALTH SCIENCE 1-12 CREDITS

AHS-3010 THERAPEUTIC MASSAGE 3 CREDITS

Prerequisite: Not open to freshman.

This course is an opportunity for students to train intensively in therapeutic massage. Primarily for students concentrating in health science and the behavioral sciences, this course is meant to assist students in learning about therapeutic massage as an acceptable form of treatment for stress and decreasing muscle tension and increasing mind-body comfort.

AHS-3043 CARE AND PREVENTION OF ATHLETIC INJURIES 4 CREDITS

Prerequisite: BIO-2011 and BIO-2012

This course is an introduction to the prevention, evaluation, and treatment of athletic-related injuries. It is an overview of the field of athletic training to include the evaluation of injuries, emergency medical procedures, prevention and treatment methods for musculoskeletal injuries, and heat illness. The laboratory practicum involves the application of preventative, assessment, supportive, and rehabilitative techniques to injury management.

AHS-3050 INTRODUCTION TO PHARMACOLOGY 3 CREDITS

Prerequisite: BIO-2011, BIO-2012 and CHE-1031

The course presents an introduction to the fundamental principles of basic and clinical pharmacology at the molecular, cellular, organ, and whole body levels. It will cover the biochemical and physiological bases for drug actions and effects, therapeutic uses and adverse reactions. Drug classifications, methods of administration, and alternative therapies will be discussed.

AHS-3110 HEALTH AND HEALING: THE MIND/BODY CONNECTION 3 CREDITS

(AVAILABLE THROUGH EDP)

Prerequisite: PSY-1010, BIO-2011 and 2012, or permission of instructor.

Scientists and researchers of holistic medicine have gained convincing evidence to support the view that illness is not caused only by external factors such as viruses, but also by internal factors such as emotions and the individual's state of mind. This course will focus on the psychology of wellness and illness, in addition to healing connections among the body, mind and spirit.

AHS-3120 KINESIOLOGY 3 CREDITS

Prerequisite: BIO-2011.

This course is designed to give students a practical approach to the study of human body movement from anatomical, physiological, mechanical, analytical, and functional viewpoints. (Shared course in VSC)

AHS-3230 PHYSIOLOGY OF EXERCISE 4 CREDITS

Prerequisite: BIO-2011 and 2012.

This course examines the acute and chronic physiological adaptations of the human body to physical activity.

COURSE DESCRIPTIONS

AHS-4030 PSYCHOLOGY OF SPORTS AND EXERCISE 3 CREDITS

Prerequisite: PSY-1010.

This course explores the theories and principles of psychology and their relationship to performance in physical education and athletics and recovery from athletic injury.

AHS-4060 CARDIOPULMONARY ASSESSMENT, REHABILITATION,
AND TRAINING 3 CREDITS

Prerequisite: BIO-2012.

This course introduces the student to the magnitude of the problem caused by cardiopulmonary disease. Basic evaluation procedures, such as EKG interpretation, stress testing and pulmonary function tests, will be introduced. In addition, exercise prescription and supervision of cardiopulmonary rehabilitation programs will be discussed.

AHS-4110 PSYCHOPHYSIOLOGY OF STRESS 3 CREDITS

Prerequisite: PSY-1010.

This course is designed for senior students in health and behavioral sciences as well as graduate students. It will provide the learner with the theoretical information about the clinical application of biofeedback across the disciplines of psychology, physiology, education and medical science.

AHS-4911 SENIOR RESEARCH 3 CREDITS

Prerequisite: Senior Standing

This course requires students to conduct an individual research project, conduct an oral presentation, and complete a thesis on the research, which might result in publication of the project. This capstone course allows the student to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires the student to ask a good question, develop appropriate techniques, and conduct appropriate research. The research topic is to be chosen by the student in consultation with a faculty mentor. A thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internships, or on-campus research. The project must be completed within two semesters.

ANTHROPOLOGY (ANT)

ANT-1010 INTRODUCTION TO CULTURAL ANTHROPOLOGY 3 CREDITS

Prerequisite: None.

A survey of basic issues, concepts, theories, and methods of cultural anthropology. Students think critically about the evolution of culture and society from the perspective of the past and the present. Topics include social and political organization, gender, myth and religion, language, cultural ecology, and cultural change. *Meets Part II. C. of GECC.* (Shared course in VSC)

ANT-2810/4810 INTERNSHIP IN ANTHROPOLOGY 1-12 CREDITS

COURSE DESCRIPTIONS

- ANT-2910/4910 INDEPENDENT STUDY IN ANTHROPOLOGY 1-12 CREDITS
- ANT-3020 GLOBAL HEALING, CONSCIOUSNESS AND RELIGION 3 CREDITS
Prerequisite: None.
While consciousness is a universal characteristic of human beings, it is influenced in a profound manner by the culture of each group. This causes people to experience life as a complex interaction of “alternate realities.” Students explore the relationship between culture and alternate realities through topics such as altered states of consciousness, dreams, faith, magic, shamanism, witchcraft, possession and mysticism.
- ANT-3040 CULTURE CHANGE IN THE MODERN WORLD 3 CREDITS
Prerequisite: None.
This course explores processes of social and cultural change, ranging from gradual modifications during prolonged peaceful periods to sudden revolutionary upheavals. Factors inhibiting and facilitating change are discussed along with such topics as invention, development, social power movements, changing interpersonal relations, the impact of technology, cultural clashes and innovative religions. Included is Visual Anthropology: ethnographic photography, camera culture, and photographic states of consciousness.
- ANT-3110 DEVELOPMENT OF ANTHROPOLOGICAL THINKING 3 CREDITS
Prerequisite: ANT-1010 or permission of instructor.
Each society has characteristic ways of regarding itself and other groups. In this course, anthropological points of view help students understand and analyze other cultures and their own. Innovative schools of thought in anthropology and their practical applications through research are emphasized. Also studied are questions universally asked by different cultures about the nature of humanity and the world.
- ANT-3120 SCIENCE, RESEARCH METHODS, AND ETHICS 3 CREDITS
Prerequisite: None.
Introduces quantitative and qualitative methods useful to sociologists and anthropologists to investigate how people create and sustain culture and society. Some methods included are the survey, field observation, ethnography and content analysis.
- ANT-3130 CULTURE AND PERSONALITY 3 CREDITS
Prerequisite: None.
An investigation of interaction between the culture of a group and the thoughts, emotions and behavior of its members. Topics include group personality, patterns and types of normal and abnormal behavior, and cultural features of helping relationships. Students learn to observe and analyze human behavior from different perspectives.
- ANT-4010 ANTHROPOLOGY OF DEATH 3 CREDITS
Prerequisite: None.
This course studies death from a wide variety of approaches and is designed to help students integrate objective descriptions and analysis with subjective thoughts and feelings. Our orientations toward death are compared with those of other cultures through such issues as terminal illness, experiencing death, prolonging life, and hastening death. Mourning, funerals, life after death and processes of symbolic death and rebirth are also explored.

COURSE DESCRIPTIONS

ANT-4020 MULTICULTURAL STUDIES OF HEALING 3 CREDITS

Prerequisite: None.

This course provides an understanding of the complex interrelationships between cultural, biological, psychological, and environmental components of health, disease, illness and medical treatment. Some topics include medical explanatory beliefs, adaptation, stress, illness experiences, healing techniques, patient/practitioner relations, and religion. Western biomedicine and many other medical systems of the world are compared searching for cultural diversity and universals. The variety of cases studied and the perspectives used ranges from the single individual, to diverse groups, to the entire global population. Students apply anthropology and other disciplines to the experience of being sick and to the delivery of health care in many different cultures.

ANT-4720 SENIOR SEMINAR IN ANTHROPOLOGY/SOCIOLOGY 3 CREDITS

Prerequisite: Senior Standing.

This capstone course reviews the major concepts, theories and methodologies of anthropology and sociology and offers students leadership, teaching, and volunteer service opportunities to demonstrate their unique knowledge and skills in social situations, in social services and in high schools.

ANT-4730 TOPICAL SEMINAR IN ANTHROPOLOGY 1-3 CREDITS

Prerequisite: None.

This course explores new topics and current developments in the discipline. The seminar emphasizes student research, presentation and discussion and may be repeated for credit.

ART (ART)

ART-1011 DRAWING I 3 CREDITS

Prerequisite: None.

An introduction to drawing media, techniques and concepts with emphasis on drawing from observation. *Meets Part II. A.3. of GECC.* (Shared course in VSC)

ART-1140 DESIGN 3 CREDITS

Prerequisite: None.

Students are introduced to a series of conceptual, structural, spatial and relationship “problems” designed to stimulate creative thought and innovative approaches to working in both two and three dimensions. *Meets Part II. A.3. of GECC.*

ART-1180 FYS: ART OF SOCIAL IMAGINATION - SCULPTURE IN A PUBLIC REALM 3 CREDITS

Prerequisite: Open to freshmen only

This introductory studio art course prepares freshman for an understanding of the tools and techniques of sculpture as well as applications of mixed media in a public realm. Starting as far back as ancient Rome, Art of Social Imagination uses art and art history to explain the theory and practice of public sculpture as it relates to community. Students will view “Interventionists” as people who interact with society to produce thoughtful and imaginative results.

COURSE DESCRIPTIONS

In class, students will develop proposals and construct projects that interact with academic, local, personal, and/or interpersonal realms. No prior experience is necessary for this course. The emphasis, here, is on an introduction to art history and hands-on learning.

ART-1231 CERAMICS I 3 CREDITS

Prerequisite: None.

An introduction to the ceramic arts which develops the student's working knowledge of ceramic materials, tools and techniques. Students work with issues of concept and design, and develop an understanding and appreciation of traditional, historical and contemporary ceramic objects and issues. Hand building is emphasized. (Shared course in VSC)

ART-2007 FYS: COMIX GO LEGIT: CONTEMPORARY GRAPHIC NOVELS 3 CREDITS

Prerequisite: Freshmen only

One could argue that cave paintings were the first comics, but this course focuses on the most recent graphic novels, including award winning works by Art Spiegelman, Marjane Satrapi, Chris Ware, Daniel Clowes, Joes Sacco and many more. In addition to reading masterworks, we will study the history of comics and the many uses of comics, including advertising and animation. Students will also design their own comics, and produce a limited edition graphic of their own work. Drawing is only one way to approach this, but not the only way- photographers, writers, collage artists and stick-figure maestros are all welcome.

ART-2110 INTRODUCTION TO DIGITAL MEDIA 3 CREDITS

Prerequisite: ART-2301, 3032, or 4050.

An overview of the digital image tools used in professional image editing, layout and design work, as well as an introduction to the general issues relevant to the handling of images and related art material in the digital context. A series of discussion topics will frame the relationship of digital media to fine art discourse and to specific media within that discourse.

ART-2150 JEWELRY AND METALSMITHING 3 CREDITS

Prerequisite: None.

Students will develop a working knowledge and sensitivity toward metal as a material, gain a vocabulary of metalsmithing and jewelry techniques, and confront the degrees of excellence, precision and impeccability of craftsmanship in their own work as artists-craftsmen.

ART-2211 PAINTING I 3 CREDITS

Prerequisite: ART-1011.

A presentation of technical and aesthetic aspects of painting that introduce students to the use of various painting media: oil, acrylic, watercolor, oil pastel, soft pastel, etc. A strong foundation in color theory is included, as well as an overview of painting masters, both historic and contemporary. (Shared course in VSC)

ART-2251 SCULPTURE I 3 CREDITS

Prerequisite: None.

Students are introduced to historic and contemporary sculpture through different theoretical, practical, and conceptual approaches utilizing a variety of media. *Meets Part II.A.3. of GECC.* (Shared course in VSC)

COURSE DESCRIPTIONS

ART-2301 PHOTOGRAPHY I 3 CREDITS

Prerequisite: None.

An introduction to the fundamentals of 35mm black and white photography, including darkroom techniques, and the history and aesthetics of photography. A 35mm camera with adjustable f-stops and shutter speeds is required. *Meets Part II.A.3. of GECC.* (Shared course in VSC)

ART-2410 INTRODUCTION TO PRINTMAKING 3 CREDITS

Prerequisite: ART-1011

This course offers an exploration of the major forms of printmaking through a variety of techniques and media, as well as the history and technology of printmaking. Experimentation and exploration of the print as a vehicle of artistic expression will be emphasized in conjunction with development of technical proficiency.

ART-2810/4810 INTERNSHIP IN ART 1-12 CREDITS

ART-2910/4910 INDEPENDENT STUDY IN ART 1-12 CREDITS

ART-3031 LIFE DRAWING 3 CREDITS

Prerequisite: ART-1011 or permission of instructor.

The classic figure drawing course, exploring human form and addressing such issues as anatomy, gesture, technique and content. May be repeated for credit.

ART-3032 ADVANCED DRAWING 3 CREDITS

Prerequisite: ART-1011 or permission of the instructor.

Designed for students already familiar with the techniques of traditional drawing materials, this course explores more advanced concepts of image making and a personalized use of materials. Among the topics explored in various sentences are figure drawing, large-scale work, mixed-media, hand-made paper and bookmaking. May be repeated for credit.

ART-3040 LANDSCAPE PAINTING 3 CREDITS

Prerequisite: ART-2211.

This class will explore traditional landscape painting issues of linear and atmospheric perspective, color and its relationship to light and space, and the passage of time and season. Class will work on site in the landscape. Students may work in a variety of media. May be repeated for credit. (Summers only)

ART-3120 ELEMENTARY ART EDUCATION METHODS 3 CREDITS

Prerequisite: Junior standing.

This course focuses on four issues: 1) how teachers determine what to teach, 2) how they structure content to meet their objectives, 3) how they decide when to teach material, and 4) how they evaluate what they have taught. Students should, by the end of the course, be able to describe their rationale for “teaching” art in any classroom. Required for elementary education students.

COURSE DESCRIPTIONS

ART-3140 SECONDARY ART EDUCATION METHODS 3 CREDITS

Prerequisite: Junior standing.

This course is similar to ART-3120, and the emphasis is on grade 7-12 art materials and age levels. Required for secondary education students.

ART-3222 CERAMICS II 3 CREDITS

Prerequisite: ART-1231 or permission of the instructor.

This advanced level course in ceramics encourages the continued exploration of and experimentation with clay as an artistic medium, with emphasis on independent creative research. Students learn basic clay and glaze formulation and kiln operation. May be repeated for credit.

ART-3314 ADVANCED PRINTMAKING 3 CREDITS

Prerequisite: ART-2311 or permission of the instructor.

Intaglio printmaking is emphasized beginning with the collagraph and advancing through the intaglio processes. The focus is to gain control of these techniques so that the student feels free to experiment. The ability to make art and develop an individual imagery as printing skills develop is stressed. While the student is expected to be able to edition prints, experimentation and pushing the medium and imagery are emphasized over traditional multiples editioning. May be repeated for credit.

ART-3320 MONOPRINTS 3 CREDITS

Prerequisite: ART 1011 or permission of instructor.

Explore this hybrid printmaking technique that combines painting, drawing and printing to create unique printed images. This technique encourages spontaneity and freedom in many directions. Some possibilities include chine colle, collage, drypoint and collagraph. We begin with basic monotype techniques and increase complexity including multiple plates. May be repeated for credit.

ART-4020 ADVANCED DIGITAL MEDIA 3 CREDITS

Prerequisite: ART-2110.

This course offers a survey of contemporary digital image processes and tools, including digital photography, illustration, design, 3-D graphics, and video/multimedia. Intended for students who have background in photography and related issues of media arts, this course will focus on the relationship of digital media to established art forms and study possibilities for their integration. The course will also cover contemporary work in technology-influenced art practice and theory. May be repeated for credit.

ART-4040 ADVANCED PHOTOGRAPHY 3 CREDITS

Prerequisite: ART-2301 or equivalent expertise, or permission of the instructor.

This course further explores technical, historical and creative issues. Students will generate a strong portfolio through intensive studio work. Other course components may include research projects, field trips to local exhibitions, non-traditional processes, readings in history and criticism, and a public exhibition of completed projects. May be repeated for credit.

COURSE DESCRIPTIONS

ART-4050 ADVANCED PAINTING 3 CREDITS

Prerequisite: ART-2211, ART-2210 or permission of the instructor.

This course emphasizes a student's individual vision. Each semester explores different techniques. Several topics are addressed including large-scale works, mixed media, hand-made paints and an examination of painting masters, both historic and contemporary. May be repeated for credit.

ART-4060 ADVANCED DIGITAL: GRAPHIC DESIGN 3 CREDITS

Prerequisite: ART-2110

This course will explore page layout, graphic design, and digital imaging for print. It is designed for both the intermediate and advanced student who wishes to learn how to make effective print presentations, brochures, and books. The course will focus on contemporary creative and practical concepts of using computers in the visual arts and graphic design, focusing on the basic concepts and terminology associated with typography and page layout.

ART-4070 ADVANCED DIGITAL: WEB DESIGN FOR ARTISTS 3 CREDITS

Prerequisite: ART-2110 or CIS-2220

This advanced studio art course prepares the artist to use web design creatively for their portfolio and as an interactive art form to present original on-line work. Students will learn how to plan, organize, and produce a 30-40 page standards compliant web site from start to finish with Macromedia Dreamweaver using table-less transitional XHTML with Cascading Style Sheets for style positioning. Class time will also be dedicated to an overview of aesthetics and concepts of web design including usability, accessibility, information design, and graphic design.

ART-4110 VISUAL ART AND PERFORMANCE 3 CREDITS

Prerequisite: ART-2251.

This course is an exploration into the world of performance art. Students will generate, perform and create props and visuals for their performances. Two to four visiting artists will conduct workshops throughout the semester. A trip to Boston or New York will be arranged to see professional work.

ART-4120 B.F.A. EXHIBIT 3 CREDITS

Students work closely with a mentor chosen from the studio art faculty to prepare and mount their senior thesis exhibition. Students may work in a single medium or combination of media to produce their culminating exhibition in the Julian Scott Memorial Gallery.

ART-4130 ADVANCED SCULPTURE 3 CREDITS

Prerequisite: ART-2251 or permission of the instructor.

Students investigate at least three media, which may include plaster, wood, metal, stone or others. Emphasis of study shifts from semester to semester, and concept and material are

of equal importance. Students are encouraged to work creatively within the context of the learned technique. Assignments may encompass public art, installations and performance art, among others. May be repeated for credit.

ART-4730 B.F.A. SEMINAR 3 CREDITS

This professionally-oriented “capstone” course looks into all aspects of a career in the visual arts. By the end of the semester, students will have produced a professional portfolio documenting their own work, complete with resume, artist’s statement and slides. Students also explore career options, exhibit venues, grant writing, web sites, graduate schools, legal considerations for the artist and how to set up a safe, affordable studio.

ART HISTORY (ARH)

ARH-2010 SURVEY OF WESTERN TRADITIONS IN ART 3 CREDITS

Prerequisite: None

This course examines the history of Western art as expressed in different medias such as painting, sculpture, and architecture from the prehistoric to the modern era.

ARH-2060 SURVEY OF NON-WESTERN TRADITIONS IN ART 3 CREDITS

Prerequisite: None

This course examines the history of non-Western art as expressed in different mediums such as painting, sculpture, and architecture from the prehistoric to the modern era.

ARH-2910/4910 INDEPENDENT STUDY IN ART HISTORY 1-12 CREDITS

ARH-3015 GREEK AND ROMAN ART 3 CREDITS

Prerequisite: ARH-2011 and ART-2012.

The art and architecture of ancient Greece and Rome, from the Aegean through the Late Empire periods.

ARH-3020 ART OF THE RENAISSANCE 3 CREDITS

Prerequisite: ART-2011 and ART-2012.

This course stresses Italian painting and sculpture, beginning with the 14th century Tuscan masters and ending with Michelangelo and the early Mannerists. Northern art is considered in terms of its influence on developments in the south.

COURSE DESCRIPTIONS

ARH-3060 TWENTIETH CENTURY ART 3 CREDITS

Prerequisite: ARH-2011 and ARH-2012.

The history of twentieth century art covering Impressionism, Fauvism, German Expressionism, Cubism, Futurism, Dada, Suprematism, Constructivism, De Stijl, Surrealism, Abstract Expressionism, Pop Art, Happenings, Minimal Art, New Genre Art and Post-Modern Art.

ARH-3110 THE SPIRITUAL IN NON-WESTERN ART 3 CREDITS

Prerequisite: None.

This course will examine the rich cultural history of African, Native American, Oceanic and pre-Roman Celtic art. The course will underscore how traditional societies fully integrated art into everyday life and how they imbued it with powerful magical and mystical meanings. How western artists, collectors and museum officials have used and misused art from “Third World” countries will be carefully illustrated and considered throughout the semester.

ARH-3120 ART CRITICISM 3 CREDITS

Prerequisite: ARH-2012

This is a writing intensive course. This course will expose students to the major critical stances that have shaped art historical thought in the West. Students will analyze the critical stance of Kant, Wincklemann, Marx, Freud, to name a few. This exposure will help students to become more critical readers and writers. Students will be expected to write weekly assignments and critique each other’s work.

ARH-3130 THE HISTORY OF PHOTOGRAPHY 3 CREDITS

Prerequisite: ARH-2011 and ARH-2012.

Surveys the history and aesthetics of nineteenth and twentieth century photography. Photographs by masters form the basis for a critical assessment of the medium.

ARH-3140 AFRICAN ART 3 CREDITS

Prerequisite: ARH 2010 and ARH-2060

The art from the continent of Africa is one of the most varied in terms of culture, aesthetics, and techniques in the world. The course begins in the northern cultures of the Mediterranean and makes its way down across the Sahara to the West, Central, East, South, and then looks at art of the African Diaspora. In each region, we will examine art from ancient to contemporary, and discuss the changing cultural, political, and social climates. Students will look at sculptures, performance, architecture, adornment, and jewelry.

ARH-3150 ART OF THE HUMAN BODY 3 CREDITS

Prerequisite: ARH-2010 and ARH-2060

This course examines all art that scrutinizes the human body in some way. The course covers art from all cultures and all time periods. The art will be both depictions of the human body in art, as well as deal with the human body from a broad variety of venues such as ancient Greek sculpture, Mesoamerican frescoes, Maori tattooing, to the modern day body artists who practice tattooing, scarification, and other body arts.

COURSE DESCRIPTIONS

ARH-3210 WOMEN IN ART

3 CREDITS

Prerequisite: None.

A survey of representative women artists from the Renaissance to the present, this course introduces students to the unique role of women in the visual arts, their contributions and struggle for recognition. *Meets Part III of the GECC.*

ARH-4720 SEMINAR IN CONTEMPORARY ART ISSUES

3 CREDITS

Prerequisite: ARH-3060.

The issues treated vary from semester to semester. The class takes an active role in deciding the relevant issues. Past topics have included public funding for “controversial” art, women’s issues in art, art vs. craft and “Is it art?” Students develop critical skills and see their own work in the light of the contemporary scene. At least one field trip to a metropolitan center is scheduled to view contemporary art.

BIOLOGY (BIO)

BIO-1210 INTRODUCTION TO BIOLOGY

4 CREDITS (WITH LAB)

Prerequisite: PLM-0003, PLM-0004, or MAT-0410.

An introduction to the study of life, including cells, organisms, ecosystems, and evolution, and the techniques of the biologist. *Meets Part II.B.1. of the GECC.* (Shared course in VSC)

BIO-1211 INTRODUCTION TO BIOLOGY: ECOLOGY & EVOLUTION

4 CREDITS (WITH LAB)

Prerequisites: None.

In this course students will explore the “process of science” with hands-on field and laboratory experiments. Concepts in the evolutionary history of biological diversity, ecology and the biosphere, and conservation biology will be covered. *Meets Part II.B.1. of the GECC.*

BIO-1212 INTRODUCTION TO BIOLOGY:

CELLS & GENETIC BASIS OF LIFE

4 CREDITS (WITH LAB)

Prerequisites: None.

This course will introduce biology to students through the unifying theme of the “process of science” – what we know, how we know it, and what we don’t know yet. The course will cover topics in chemistry of life, cell structure and function, cell reproduction, classical and molecular basis of inheritance, and DNA Technology. *Meets Part II.B.1. of the GECC.*

BIO-1230 FIELD ECOLOGY

3 CREDITS

(AVAILABLE THROUGH EDP)

Prerequisite: None.

This course offers students the opportunity to study the major environments found in the Vermont landscape and to understand the plants and wildlife that make up the fabric of Vermont’s ecology. After the weekend of lectures, slides and hands-on work with mammals, birds and vegetation, classes will be held in various field locations throughout central Vermont. This course fulfills an EWR requirement.

COURSE DESCRIPTIONS

BIO-1781 ECOLOGY OF SUBTROPICAL ECOSYSTEMS 3 CREDITS

Prerequisites: Acceptance into Upward Bound Program.

This course introduces ecological structure and function of the major aquatic and terrestrial ecosystems of subtropical Florida. The class begins with an intensive weekend of lectures on the ecological principles that pertain to the ecosystems of south Florida. Another weekend day will be spent evaluating written work and will culminate with an environmental debate. Students, based on their preferences, will be assigned ecosystems for which they will be responsible for leading the class on interpretive tours of the biological, chemical, and physical factors that influence their ecosystems. The class will travel to the Florida Everglades and Keys to explore the variety of subtropical forests, glades, marshes, swamps, and marine communities.

BIO-2011 HUMAN ANATOMY & PHYSIOLOGY I 4 CREDITS (WITH LAB)

Prerequisites: None

An introduction to the structure and function of the human body. Topics include general body organization, cells, tissues, and the anatomy and physiology of the skeletal, muscular, and nervous systems. Laboratory work involves microscopy, dissections, and the study of human organ models. First semester of a two-semester sequence. (Shared course in the VSC.)

BIO-2012 HUMAN ANATOMY & PHYSIOLOGY II 4 CREDITS (WITH LAB)

Prerequisites: BIO-2011

A continuation of BIO-2011. Topics include cellular physiology, and the structures and function of the cardiovascular, endocrine, immune, respiratory, digestive, excretory, and reproductive systems. Laboratory systems practicum involves microscopy, dissections, and the study of human organ models. (Shared course in the VSC.)

BIO-2130 NATURAL HISTORY OF THE YELLOWSTONE PLATEAU 3 CREDITS

Prerequisite: Permission of instructor.

This course involves seven days in the back country of Yellowstone National Park, traveling to three remote areas that demonstrate the unique geological and ecological characteristics of the park. Students make their own arrangements to and from Salt Lake City, Utah, where the instructor will meet them. (Summer only)

BIO-2145 PLANT BIOLOGY 4 CREDITS (WITH LAB)

Prerequisite: One introductory biology course.

An introduction to the study of plant biology including the structure and function of cells and tissues, photosynthesis, and a survey of the plant kingdom with special emphasis on the higher plants.

BIO-2310 INVERTEBRATE AND VERTEBRATE ZOOLOGY 4 CREDITS (WITH LAB)

Prerequisite: None. Recommend: BIO-1210 or equivalent.

The study of animal biology including diversity and classification within the two major groups, vertebrates and invertebrates, comparative anatomy and physiology, genetics and development, evolution, behavior, and ecology. (Shared course in VSC)

COURSE DESCRIPTIONS

BIO-2340 FUNDAMENTALS OF ECOLOGY 4 CREDITS (WITH LAB)

Prerequisite: BIO-1210 or BIO-1211. Recommended: One course in chemistry.

The relationships between the organism and its natural environment will be examined.

Students will perform outdoor experiments and field studies that complement discussions on population and community ecology.

BIO-2710 SPECIAL TOPICS IN BIOLOGY 3 CREDITS

BIO-2810/4810 INTERNSHIP IN BIOLOGY 1-12 CREDITS

(Shared course in VSC)

BIO-2910/4910 INDEPENDENT STUDY IN BIOLOGY 1-12 CREDITS

BIO-3110 FIELD ORNITHOLOGY 3 CREDITS

Prerequisite: None. (summer only)

An intensive course in the field identification, behavior, and life histories of local bird species.

Students are expected to provide their own binoculars (contact instructor for specifications if you will be purchasing binoculars). (Shared course in VSC)

BIO-3125 BIOLOGICAL CHEMISTRY 3 CREDITS

Prerequisite: BIO-1212, CHE-1032.

This course introduces the student to an integration of biology and chemistry through an overview of the biochemical structure and reactions that occur in living systems. Presentation of the chemical structures of the important classes of biological macromolecules (proteins, carbohydrates, lipids, and nucleic acids) is integrated with their roles in cellular metabolism.

BIO-3130 CELLULAR BIOLOGY: A MOLECULAR APPROACH 4 CREDITS (WITH LAB)

Prerequisite: BIO-1212, CHE-1032.

This course is an in-depth study of biological processes at the molecular level with emphasis on the relationship between structure and function of biological macromolecules. Topics include bioenergetics, enzymes, the genetic system, protein synthesis, biological membranes, cellular organization and chemical signaling. In the laboratory, students will be introduced to modern experimental techniques to analyze cellular functions.

BIO-3140 MICROBIOLOGY 4 CREDITS (WITH LAB)

Prerequisite: One 3-credit, 2000/3000 level BIO course. Recommended: BIO-1212 and CHE-1032.

An introductory exploration of microscopic life and an introduction to the principles and concepts of microbiology. Topics include microbial morphology, physiology, ecology, and evolution, and the connections between microorganisms and the sciences of pathology and immunology. (Shared course in VSC)

BIO-3160 ANIMAL BEHAVIOR 4 CREDITS (WITH LAB)

Prerequisite: None. Recommended: BIO-2310.

An exploration of sensory perception, innate behavior, learning, communication, and social behavior in invertebrates and vertebrates, using taxonomy, ecology, and natural selection as frames of reference. (Shared course in VSC)

COURSE DESCRIPTIONS

BIO-3170 MAMMALOLOGY 4 CREDITS (WITH LAB)

Prerequisite: BIO-2310.

A detailed treatment of the identification, classification, adaptations, physiology, ecology, distribution and evolution of the world's mammals. In laboratory sessions, students engage in the work of professional mammalogists using museum specimens of mammals from all parts of the world.

BIO-3180 NUTRITION 3 CREDITS

Prerequisite: BIO-1210, CHE-1031 and junior or senior standing, or permission of the instructor.

This course is a study of the structure, function, digestion and absorption of nutrients in the human body, with an emphasis on chemistry, current research, and controversies. The topics of food safety, diet analysis and planning, and the relation between nutrition and diseases are included.

BIO-3220 GENETICS 4 CREDITS (WITH LAB)

Prerequisite: BIO-1212 and CHE-1032.

A review and investigation of the principles of inheritance, including the topics of molecular, Mendelian, population, and human genetics. Current research and controversies will be emphasized. (Shared course in VSC)

BIO-3260 LIMNOLOGY 4 CREDITS (WITH LAB)

Prerequisite: BIO-1211 and CHE-1031 or equivalent.

Students gain first-hand experience in the techniques used to sample and analyze aquatic ecosystems. We will discuss the occurrence of aquatic organisms in different systems and the chemical, physical and biological factors which affect their distribution.

BIO-3270 FOREST ECOLOGY 4 CREDITS (WITH LAB)

(AVAILABLE THROUGH EDP)

Prerequisite: BIO-2145 and CHE-1031 or equivalent

Students learn how ecologists study the structural and functional aspects of forest communities of northeastern North America. Considerable time is spent outside exploring the watersheds of the Babcock Nature Preserve in order to study succession, nutrient and energy flow, and the role of disturbance in the maintenance of forest communities.

BIO-3280 ENVIRONMENTAL TOXICOLOGY 4 CREDITS (WITH LAB)

Prerequisite: BIO-1211 and CHE-1031 or equivalent. Recommended: a course in statistics.

Students perform standard toxicity tests to understand experimental design and the biological fate and effects of pollutants. Skills developed in this course can be applied to a wide variety of environmental management and research occupations.

BIO-3290 CONSERVATION BIOLOGY 3 CREDITS

Prerequisite: BIO-2340, an upper-level ENV course, or permission of instructor.

This course will integrate many disciplines in biology, environmental science, and public policy that are traditionally covered as separate courses. Biological concepts include ecology, limnology, forest ecology, evolution, and toxicology. Chemical concepts will be applied to discussions of toxic substances and environmental contaminants. This course will take an interdisciplinary approach to solving conservation problems.

COURSE DESCRIPTIONS

BIO-3310 WILDLIFE FIELD METHODS 4 CREDITS (WITH LAB)

Prerequisite: Competence in natural science. (Summer only)

Participants will learn basic and advanced procedures for the study of wildlife populations, and will practice a variety of observational, live-capture, and radiotelemetric methods for fish, amphibians, reptiles, birds, and mammals in the field. Selected species identification and sign reading techniques and general data analysis will be included. Participants must provide their own binoculars and hip-wader boots (purchased or borrowed). Not open to students who have already taken Field Mammalogy.

BIO-3320 ORNITHOLOGY 4 CREDITS (WITH LAB)

Prerequisite: BIO-2310.

Engagement in the in-depth study of bird classification, anatomy, physiology, ecology and behavior. Several sessions focus on Vermont birds and field techniques.

BIO-3720 CURRENT TOPICS IN BIOLOGY 1 CREDIT

Prerequisite: None.

A weekly seminar series presents invited research scientists known for their contributions in biology. Speakers represent a broad spectrum of biological disciplines. Discussion sessions follow. May be repeated for credit. (Shared course in VSC)

BIO-4220 WILDLIFE ECOLOGY AND MANAGEMENT 4 CREDITS (WITH LAB)

Prerequisite: BIO-2340 and a course in mathematics.

Classroom and field studies of game and non-game species with emphasis on population biology, physiological ecology and wildlife management in theory and practice.

BIO-4920 SENIOR THESIS 3 CREDITS

Prerequisite: Senior Standing.

The Senior Thesis requires students to conduct an individual research project, write a thesis, conduct an oral presentation and prepare a paper for publication. This capstone course allows the student to combine the skills and knowledge gleaned from previous courses with a self-designed research project that requires the student to ask a good question, develop appropriate techniques, and conduct appropriate research. The research topic is to be chosen by the student in consultation with a faculty. A thesis outline must be submitted to the supervising faculty member (or members) prior to commencement of research. This type of practical, hands-on experience may be conducted at locations off campus, in conjunction with a work-study project, internships, or on-campus research. The project must be completed within two semesters.

BUSINESS (BUS)

BUS-2020 PRINCIPLES OF MANAGEMENT 3 CREDITS

Prerequisite: None.

This course is an introduction to the philosophy, principles, and techniques of management. Students will examine classical, modern, and emerging concepts as they relate to today's manager and the functional processes of planning, organizing, directing and controlling resources. Learning experiences may include case studies, team experiences and simulations. (Shared course in VSC)