

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)

COURSE DESCRIPTIONS

BUS-2140 PERSONAL FINANCE 3 CREDITS

Prerequisite: None.

A study of the tools used in personal financial planning. The student is introduced to the process used by professional planners and shown how this can be helpful in planning their own financial futures. (Shared course in VSC)

BUS-2210 SMALL BUSINESS MANAGEMENT 3 CREDITS

Prerequisite: None.

This course explores the practical aspects of organizing and managing a small business. It is designed to equip students with the skills and knowledge to make informed business decisions. Topics include the basic concepts of accounting, finance, cash management, taxes, business law, government regulations, staffing, and marketing. (Shared course in VSC)

BUS-2230 PRINCIPLES OF MARKETING 3 CREDITS

Prerequisite: None.

This course introduces the role of marketing as it relates to manufacturing, wholesale, retail, not-for-profit, and service businesses. Topics include product development, pricing decisions, promotional considerations, and distribution options of both goods and services. Students will also examine the emerging role of electronic marketing and its impact on today's businesses. (Shared course in VSC)

BUS-2410 HUMAN RESOURCE MANAGEMENT 3 CREDITS

Prerequisite: None. Recommended: BUS-2020.

This course examines the critical issues and the strategic questions that must be considered when managing diverse groups of people in today's workplace. Topics include selecting, training, and evaluating personnel; compensation, health and safety, and bargaining units; motivation, morale, and human relations. (Shared course in VSC)

BUS-2810/4810 INTERNSHIP IN BUSINESS MANAGEMENT 1-12 CREDITS

BUS-2910/4910 INDEPENDENT STUDY IN BUSINESS 1-12 CREDITS

BUS-3050 PRINCIPLES OF SALES 3 CREDITS

Prerequisite: BUS-2230.

Explores buyer behavior and the communication process of mutually satisfactory selling. Techniques of personal selling for individuals who must influence or persuade, actuate or lead other individuals now or in the future.

BUS-3060 CONSUMER BEHAVIOR 3 CREDITS

Prerequisite: BUS-2230.

The study of consumers in the marketplace. It examines who, what, when, where, and how consumers make purchasing decisions. (Shared course in VSC)

COURSE DESCRIPTIONS

BUS-3110 SKI AREA MANAGEMENT AND DESIGN 3 CREDITS

Prerequisite: BUS-2020.

The unique planning and management requirements associated with commercial ski resorts are presented: organizational structure, land and water management, environmental impact, and the various roles of federal, state and local governments.

BUS-3131 BUSINESS LAW I 3 CREDITS

Prerequisite: None.

An introductory course to provide a knowledge and awareness of the scope and terminology of the American legal system as it pertains to business organizations. Topics emphasized may include criminal law, tort law, forms of doing business, law of contracts, sales, real and personal property law, negotiable instruments, Uniform Commercial Code, and agency relationships. (Shared course in VSC)

BUS-3150 PRODUCTION/OPERATIONS MANAGEMENT 3 CREDITS

Prerequisite: ACC-2122 and MAT-2021 or MAT-2030.

This survey course develops administrative skills needed to manage efficiently the several elements of production-materials, facilities and manpower. Quantitative models (Management Science) are used to optimize the efficient use of resources. (Shared course in VSC)

BUS-3210 ADVERTISING 3 CREDITS

Prerequisite: BUS-2230.

A comprehensive look at the promotional process including media analysis and selection, dealing with the creative functions and production processes, measuring promotional effectiveness, and developing a comprehensive advertising strategy. Central to the course is the development of an advertising plan and campaign. (Shared course in VSC)

BUS-3230 FINANCIAL MANAGEMENT 3 CREDITS

Prerequisite: ACC-2101 or ACC-2122 or ACC-2125.

A study of the use of accounting data to make financial decisions. Decision making techniques are learned and used to address financial situations faced by a firm. (Shared course in VSC)

BUS-3250 ORGANIZATIONAL BEHAVIOR AND MANAGEMENT 3 CREDITS

Prerequisite: BUS-2020

The study of how individuals and groups interact in organizations to reach various goals and objectives. Particular emphasis is given to business organizations and the problems they face. *Meets Part III of the GECC.* (Shared course in VSC)

BUS-3265 OFF-SHORE INVESTMENT 3 CREDITS

Prerequisite: BUS-3230 or permission of instructor.

The general purpose of this course is to expose students to the workings of international finance. Specific learning objectives will cover three basic areas of study. First there will be major concentration on business ethics as related to international and off-shore investment. Second, the methods and laws that allow for off-shore investment and tax sheltering will be

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examined. Third, international competition in tax law as balanced against a nation's right to legal sovereignty will be examined. Finally, and of no less import, the students will be exposed to a culture where race is almost nonexistent. As north Americans, we often see things through a racial filter. It is interesting to experience a culture where this is not done. This part of the course will be done by observation and class discussion.

BUS-4030 MARKETING RESEARCH 3 CREDITS

Prerequisite: BUS-2230 and MAT-2022, MAT-2030 or MAT-3130.

A study of the assembly, analysis, and interpretation of information used to make marketing decisions. Includes research design, sampling techniques, data collection and analysis. (Shared course in VSC)

BUS-4070 STRATEGIC DECISION MAKING 3 CREDITS

Prerequisite: ACC-2122, BUS-2230, BUS-2410, BUS-3150, BUS-3230, and BUS-3250

This course is designed to be a capstone to the critical thinking process. Students will be placed in a position to use previously acquired knowledge and apply that knowledge to case studies of actual companies and through participation in the Capstone Business Simulation. This course will be conducted through a combination of student presentations and execution of an 8-year strategy with the Capstone Simulation.

BUS-4140 QUANTITATIVE ANALYSIS 3 CREDITS

Prerequisite: MAT-1221, MAT-2030.

This course provides quantitative reasoning and quantitative tools to assist in the management decision-making process. Topics include inventory control models, linear programming, statistical hypothesis testing, regression and analysis of variance, scheduling methods, elements of calculus and differential equations, and queuing theory.

BUS-4180 LEADERSHIP AND MANAGEMENT OF
NONPROFIT ORGANIZATIONS 3 CREDITS

(AVAILABLE THROUGH EDP)

Prerequisite: BUS-2020 or permission of instructor

This course is designed to provide current and future nonprofit managers and leaders with an overview of a range of management and leadership theory, concerns, and best practices. The course will expand students' management skills, analytical tools, and leadership knowledge. Students take the perspective of nonprofit managers, volunteers, board members, policy makers, donors, and clients.

BUS-4710 SPECIAL TOPICS IN BUSINESS 1-12 CREDITS

(AVAILABLE THROUGH EDP)

BUS-4720 SENIOR SEMINAR 3 CREDITS

Prerequisite: ECO-2030, 2020, ACC-2122. Recommended: BUS-3230, MAT-2030.

Provides students with an opportunity to integrate many of the techniques previously learned in business courses. Through case analysis, business simulation and peer review, students develop the ability to question and analyze corporate decision making and policy setting.

CHEMISTRY (CHE)

CHE-1031 GENERAL CHEMISTRY I 4 CREDITS (WITH LAB)

Prerequisite: None. Recommended: MAT-1020 or MAT-1221 or MAT-1320.

This is the first course of a two-semester sequence on the fundamental principles of chemistry. Topics include atomic structure, stoichiometry, gas laws, thermochemistry, modern atomic theory, liquids and solids, and molecular structure. *Meets Part II.B.2. of the GECC.* (Shared course in VSC)

CHE-1032 GENERAL CHEMISTRY II 4 CREDITS (WITH LAB)

Prerequisite: CHE-1031. (The math course may be taken concurrently with CHE-1032.)

A continuation of CHE 1031. Topics include solution properties, kinetics, equilibrium, reaction mechanisms, thermodynamics, acid-base reactions, electrochemistry, and element properties. (Shared course in VSC)

CHE-2910/4910 INDEPENDENT STUDY IN CHEMISTRY 1-12 CREDITS

CHE-3111 ORGANIC CHEMISTRY I 4 CREDITS (WITH LAB)

Prerequisite: CHE-1032.

An introduction to the chemistry of organic compounds. Topics include nomenclature, bonding, molecular structure, functional groups, synthesis, reaction mechanisms, stereochemistry, and spectroscopic methods of analysis. Lab will introduce students to safety, sample handling and an introduction to reactions. (Shared course in VSC)

CHE-3112 ORGANIC CHEMISTRY II 4 CREDITS (WITH LAB)

Prerequisite: CHE-3111.

A continuation of CHE-3111. The two courses must be taken in sequence. Continued study of organic functional groups and their chemical properties and molecular structures. Advanced topics may include applications of molecular orbital theory, computational chemistry of organic molecules, and the chemistry of biomolecules. Lab will include compound identification techniques and organic synthesis reactions. (Shared course in VSC)

COMMUNITY SERVICES (CSV)

CSV-1011 PRINCIPLES IN COMMUNITY SERVICE LEARNING 2 CREDITS

Prerequisite: None.

This course outlines the history of volunteerism, analyzes why we choose to become volunteers, and provides an opportunity to share and reflect upon our volunteer experiences. The classroom setting assists students to integrate volunteer learning with their educational and career goals.

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CSV-1012 COMMUNITY SERVICE LEARNING 1 CREDIT

Prerequisite: None. Recommended: CSV-1011.

Students are linked through volunteer services with an agency, school or project. A journal is kept by the student as a tool to analyze the experience and document skills developed and/or enhanced. Students are awarded one credit for 30 hours of service and the completion of a reflective paper.

CSV-2810/4810 INTERNSHIP IN COMMUNITY SERVICE 3 CREDITS

CSV-2910/4910 INDEPENDENT STUDY IN COMMUNITY SERVICE 1-12 CREDITS

CSV-3010 LEADERSHIP THROUGH VOLUNTEER SERVICE LEARNING 1 CREDIT

Prerequisite: None. Recommended: CSV-1011, CSV-1012.

In this course, students learn how to plan, develop and implement a student community service project. They have the option of being a “Student Coordinator” in: a) a particular program area, e.g., children, environment, community development, elderly, or b) a one-shot project, e.g., Red Cross Blood Drive, Hunger Clean-Up, or Freshman Orientation Community Service Project.

COMPUTER INFORMATION SYSTEMS (CIS)

CIS-1041 MICROCOMPUTER APPLICATIONS I 3 CREDITS

Prerequisite: None

This course is designed to introduce the student to the world of microcomputers. The course focuses on software. In particular, the student will learn to use Windows, and Microsoft Office (including Word®, Excel®, Power Point® and Access), the Internet (e-mail and World Wide Web software) and elementary web page design. By the end of the course, the student will be able to write documents, create and use spread sheets, develop graphic presentations, have a basic understanding of relational data bases, access the Internet, send e-mail, and create their own web page. (Shared course in VSC)

CIS-2220 WEB SITE DESIGN 3 CREDITS

Prerequisite: None.

This course explores the fundamental principles of “good” web site design. Students will learn the basic structure of a web page using HTML coding. Students will also explore the advanced topics of designing forms, using cascading style sheets and embedding javascript commands. Students will also be exposed to the whys and how of web site design. Students will create their own web pages and publish them on the world wide web using FTP software. (Shared course in VSC)

COURSE DESCRIPTIONS

CIS-2271 JAVA PROGRAMMING

3 CREDITS

Prerequisite: None.

This course will introduce the student to basic concepts of Java and Object Oriented Programming (OOP). The course begins with basic concepts of OOP. These include classes, objects, inheritance, polymorphism, and object oriented design. The course will then cover the language features of Java. The topics in this section are: program structure, statement and field types, operators, expressions, and control structures. The course then returns to OOP features of Java, focusing on object data types, strings, methods, classes and constructors. The final section addresses graphical user interface (GUI). The topics are: applets, GUI components (e.g. buttons), event processing and frames. (Shared course in VSC)

CIS-2910/4910 INDEPENDENT STUDY IN COMPUTER INFORMATION SYSTEMS

1-12 CREDITS

CIS-3040 DATABASE

3 CREDITS

Prerequisite: None.

This course is designed to take the student through the world of relational databases using Microsoft Access. By the end of the course, each student will be able to design and build a relational database. (Shared course in VSC)

CIS-3272 ADVANCED JAVA PROGRAMMING

3 CREDITS

Prerequisite: CIS-2271.

Topics include memory management, advanced object oriented concepts, data structures advanced swing user interface features, error handling, networking, advanced input and output. (Shared course in VSC)

COMMUNICATIONS (COM)

COM-2050 INTRODUCTION TO FILM STUDY

3 CREDITS

Prerequisite: None.

The study of film as an item of commerce, as an art form, and as a method of communication. An examination of film's style and technology will inform critical interpretation (voice, oral and written) as an integral part of the course. *Meets Part II.A.1 of the GECC.* (Shared course in VSC)

DANCE (DAN)

DAN-1010 FUNDAMENTALS OF DANCE

3 CREDITS

Prerequisite: None.

Introduction to dance and movement with a studio component. *Meets Part II.A.3. of the GECC.* (Shared course in VSC)

COURSE DESCRIPTIONS

DAN-1020 FUNDAMENTALS OF JAZZ DANCE 3 CREDITS

Prerequisite: None

Introduction to the principles and techniques of jazz dance. (Shared course in VSC)

DAN-1030 BODY AWARENESS 3 CREDITS

Prerequisite: None.

Designed to awaken an awareness of one's body through yoga, dance, massage techniques and reading assignments. Emphasis is on the importance of proper alignment, energy flow, flexibility and strength, body/breath coordinations, tension relief exercises, and philosophies. There are also exercises in postural re-education and simple body-care techniques. A strong emphasis is placed on the correct and natural use of the body. May be repeated for credit. (Shared course in VSC.)

DAN-1111 MODERN DANCE 3 CREDITS

Prerequisite: None.

Introduction to the principles and techniques of modern dance. May be repeated for credit. (Shared course in VSC)

DAN-1210 FYS: IF I CAN'T DANCE – KEEP YOUR REVOLUTION 3 CREDITS

Prerequisite: Open to freshmen only

History is not just about important revolutions, battles, politicians and changing borders. It is also about everyday people, and what is important in their everyday lives. This course is a multicultural exploration of the simple things that give people pleasure: their dance, games, social activities, cuisine; some of the things that make a nation's culture. We see how geography, climate, work, religion/ritual, gender, and age all have their impact on a country's customs. This course investigates the similarities and differences between the various cultures of people around the globe. This course celebrates what Emma Goldman called "everybody's right to beautiful, radiant things".

DAN-2010 FOLK DANCE 3 CREDITS

Prerequisite: None.

An introduction to folk dance and the joyous art of communal dancing of selected international origins. Includes instruction in appropriate styling as well as cultural and historical information pertinent to the countries involved. Outside readings and oral presentation are expected of the student. May be repeated for credit.

DAN-2030 IMPROVISATION/COMPOSITION 4 CREDITS (WITH CHOREOGRAPHY LAB)

Prerequisite: None.

This course explores the nature of movement qualities and textures and the elements of dance: space, time and force. The lab requires the development of improvisation and composition experiments into fully realized compositions intended to be presented before an audience. May be repeated for credit. (Shared course in VSC)

COURSE DESCRIPTIONS

DAN-2040 BEGINNING TAP DANCE 2 CREDITS

Prerequisite: None

This course offers students the opportunity to study the fundamental structure of tap technique and learn basic tap dance vocabulary. Students will learn to put this vocabulary together into phrases and combine these phrases into a choreographed dance. Students will explore the unique role tap dance plays in the history of American dance from its beginnings to current trends. They will also research performers who have affected its change and place in the dance world. Additional work will include a focus on speed, flexibility, strength, and emphasis on styles and genres of dance, which have affected tap. (Shared course in VSC)

DAN-2131 BALLET 3 CREDITS

Prerequisite: None.

Study of the structure and form of classical ballet. May be repeated for credit. (Shared course in VSC)

DAN-2730 TOPICAL SEMINAR IN DANCE .5-4 CREDITS

Prerequisite: Prerequisites may change depending on topic.

This course supplements the regular dance program, offering students the opportunity to study a broad range of topics, which vary from semester to semester. May be repeated for credit.

DAN-2910/4910 INDEPENDENT STUDY IN DANCE 1-12 CREDITS

DAN-3010 THE RENAISSANCE SPIRIT 3 CREDITS

Prerequisite: None.

A survey of the Renaissance as experienced through dance and other arts of the period. Manners, morals, music, movement, culinary delights and eccentric clothing are some of the aspects of Renaissance life explored in this course. Come and leap through the Galliards, strut through Pavans, listen to sackbuts and crumhorns and feast on authentic food and drink of the period. *Meets Part III of the GECC.*

DAN-3020 INTERMEDIATE BALLET: TECHNIQUE AND HISTORY 3 CREDITS

Prerequisite: DAN-2131 or permission of the instructor.

A continuation and progression of the work begun in DAN-2131 with a further exploration of classical ballet vocabulary and technique through the execution of more accelerated barre and center floor exercises. Emphasis is on proper body alignment, development of rhythmic attack, musicality, clarity and precision, increased strength, flexibility and flow of movement. This course includes a survey of the history of ballet from its beginnings in the courts of Renaissance Europe to the present. May be repeated for credit.

DAN-3030 IMPROVISATION/COMPOSITION:

INTERMEDIATE/ADVANCED LEVEL 4 CREDITS (WITH CHOREOGRAPHY LAB)

Prerequisite: DAN-2030 or permission of instructor.

This course is a continuation of DAN-2030. May be repeated for credit.

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DAN-3032 BODY AWARENESS

3 CREDITS

(AVAILABLE THROUGH EDP)

Prerequisite: None.

Designed to awaken an awareness of one's body through yoga, dance, massage, techniques and reading assignments. Emphasis is on the importance of proper alignment, energy flow, flexibility and strength, body/breath coordination, tension relief exercises, and philosophies. There are also exercises in postural re-education and simple body-care techniques. A strong emphasis is placed on the correct and natural use of the body.

DAN-3112 INTERMEDIATE MODERN DANCE: TECHNIQUE AND HISTORY

3 CREDITS

Prerequisite: DAN-1111 or permission of the instructor.

A continuation of the work begun in DAN-1111. Movement combinations are longer, more rhythmically complex and more varied in dynamics and quality. Emphasis is on developing a sense of theatrical style as well as continuing technical growth. This course includes a history component which traces the development of modern dance. May be repeated for credit.

DAN-3130 JAZZ DANCE

3 CREDITS

Prerequisite: None.

An introduction to the movement vocabulary and style of jazz, a performance-oriented form. Students of jazz dance learn to incorporate balletic and modern dance techniques into the specialized jazz style. They also develop the ability to handle their bodies as instruments, smoothly, sharply, lyrically, percussively and rhythmically. This course includes a historical survey of jazz dance from its roots in Africa through vaudeville, musical theater, movies and today's jazz artists. May be repeated for credit.

DAN-3140 AFRICAN/CARIBBEAN DANCE AND CULTURE

3 CREDITS

Prerequisite: None

The dances of Africa and the Afro-Caribbean Islands share components true of all dance forms which arise out of polytheistic cultures; they celebrate and acknowledge the complexity of the human psyche and of the forces of nature, and also through the human form. Many of these dances are practiced as part of religious celebration and ritual; others are secular. Our exploration of these dances will be through the lens of a living mythological system. We will delve briefly into the realm of Carl Jung's collective unconscious and the phenomenon of archetypes, and then look at how these archetypes are expressed in mythology, particularly as studied by Joseph Campbell. We will then examine myths and archetypes embodied by the dances, and experience the actual rhythms and dances, with live drumming accompaniment. Readings by Africans, Afro-Caribbean, and Westerners, and films portraying the great diversity within this dance form will inform and deepen our understanding and experience.

DAN-3180 FOLK DANCE II

3 CREDITS

(AVAILABLE THROUGH EDP)

Prerequisite: None.

Folk Dance explores the joyous art of communal dancing from selected international origins. The way that music, food, clothing, rituals, climate, geography, religion, work, art, culture and history influence the dances of these regions will also be included. Outside readings, research and oral presentations will be expected of the student.

DAN-4130 ADVANCED BALLET/MODERN DANCE: TECHNIQUE AND HISTORY 3 CREDITS

Prerequisite: DAN-3112 or 3020 or permission of the instructor.

A solidifying of the knowledge and technique acquired in intermediate ballet and intermediate modern dance with an increasing complexity of movement combinations, a broader range of movement and a greater emphasis on performing skills. This course requires an in-depth project on some element of dance history. May be repeated for credit.

ECONOMICS (ECO)

ECO-1020 INTRODUCTION TO ECONOMICS

3 CREDITS

Prerequisite: None.

Not open to those taking other college-level economics.

A survey. This course examines economic behavior and economic systems in society and provides a broad view of major schools of economic thought and of economic dimensions of public issues. Students become acquainted with consumer and business activities and their role in the functioning of the economy. Skills of effective writing, basic calculation and critical reasoning also receive attention. *Meets Part II.D. of the GECC.* (Shared course in VSC)

ECO-2020 MACROECONOMICS

3 CREDITS

Prerequisite: PLM-0002, MAT-1020, or MAT-1060.

A study of national economic systems. Includes national objectives such as low unemployment and low inflation, measuring economic success, the business cycle, and an introduction to international trade. The basis models using prescriptive policy tools are learned. *Meets Part II.D. of the GECC.* (Shared course in VSC)

ECO-2030 MICROECONOMICS

3 CREDITS

Prerequisite: PLM-0002, MAT-0221, MAT-1020, or MAT-1060.

A study of the firm and markets. Includes Price theory at the firm and market level, market solutions to problems of scarcity, and the policy alternatives available to correct for inefficiency and market failure. *Meets Part II.D. of the GECC.* (Shared course in VSC)

ECO-2910/4910 INDEPENDENT STUDY IN ECONOMICS

1-12 CREDITS

ECO-3010 ENVIRONMENTAL ECONOMICS

3 CREDITS

Prerequisite: ECO-1020 or 2030, junior or senior standing.

Improving the environment usually involves difficult economic choices, and often, as an unintended side effect of economic activity, natural amenities are lost. This course examines why the economic system fails to give sufficient weight to environmental consequences and discusses policies being proposed and implemented for state and federal action to deal with the problem.

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ECO-3030 PUBLIC FINANCE AND ADMINISTRATION

3 CREDITS

Prerequisites: ECO-2020 and 2030

This course introduces students to the intertwined financial and administrative functions of government. On the financial side, the provision of public goods, public budgeting, and tax theory are covered. On the administrative side, topics include decision-making criteria, policy analysis and implementation, public regulation, and concepts of federalism.

EDUCATION (EDU)

EDU-1020 THE HUMAN ENDEAVOR

3 CREDITS

Prerequisite: None.

This is an experiential, competency-based course designed to introduce students to higher education and Johnson State College. The main objective of the course is to ensure student success and to improve skills in writing, reading, critical thinking, research and self-awareness.

EDU-2040 CHILD DEVELOPMENT

3 CREDITS

Prerequisite: PSY-1010.

A thorough examination of the physical, intellectual and social development of the child from conception to puberty. This course focuses on viewpoints of major theoreticians, from both the past and the present. Relationships between theory and practice are consistently stressed, with students applying theoretical information and research data to the real-world problems of teaching and rearing children.

EDU-2080 LITERACY INSTRUCTION IN THE ELEMENTARY SCHOOL I

4 CREDITS

Prerequisite: Second semester sophomore standing and 2000 level writing course.

Theories and methods of reading instruction for the elementary school teacher are presented. A field component of one morning per week in an elementary classroom is an integral part of this course.

EDU-2110 INTRODUCTION TO EXCEPTIONAL POPULATIONS

3 CREDITS

Prerequisite: None.

This course examines the development and special needs of children and adolescents who have developmental disabilities, learning disabilities, speech and language disorders, emotional disturbance, physical disabilities, sensory disabilities, intellectual giftedness and talents, or other exceptionalities. The evolution of special education law and its implications for inclusion of exceptional students into regular classroom environments is also investigated. (Shared course in VSC)

COURSE DESCRIPTIONS

EDU-2170 ADOLESCENT DEVELOPMENT

3 CREDITS

Prerequisite: PSY-1010.

This course examines theories and research related to the cognitive, physical and social development during the adolescent years. The influences of parents, peers and media are explored. Through a project focus and active learning techniques, the student explores areas of interest that relate to adolescent development.

EDU-2320 ENGAGED IN CREATIVE TEACHING AND LEARNING

3 CREDITS

Prerequisite: None

Designed as an introductory course, this course will explore the interaction between learning and teaching and serve as a formal introduction to the field of teaching, how teachers develop their practices, and the Vermont state licensure process. Pre-service teachers will engage in child study, participate in on-going classroom inquiry into learning inquiry, explore central ideas that influence teaching and shape classroom management, and the integration of technology, and begin development of the licensure portfolio. Self-reflection will be central and support potential education majors in exploring teaching in a public school setting and considering whether it is something they might wish to pursue.

EDU-2910/4910 INDEPENDENT STUDY IN EDUCATION

1-12 CREDITS

EDU-3010 SOCIAL AND NATURAL SCIENCE METHODS

FOR ELEMENTARY TEACHER

3 CREDITS

Prerequisite: Concurrent enrollment in EDU-3811.

In this course, students study social and natural phenomena through observation, experimentation and rational analysis, and learn to be objective while collecting data. A stress on the social, historical, economic, cultural and political processes of social science is balanced by an equal stress on topics belonging to natural sciences, such as electricity, forces and sound. Emphasis at all times is on methods and materials applicable to teaching elementary school children. This course is taught at our PDS site.

EDU-3020 EDUCATIONAL PSYCHOLOGY

3 CREDITS

Prerequisite: None, recommend: PSY-1010 and EDU-2040 or 2170

This course offers students the opportunity to learn how psychological principles and the works of various theorists relate to teaching and learning. The roles of motivation, intelligence, attitudes, and the components of effective teaching are studied. *Meets Part III of the GECC.* (Shared course in VSC)

EDU-3030 METHODS AND MATERIALS FOR

TEACHING ELEMENTARY SCHOOL MATHEMATICS

3 CREDITS

Prerequisite: Successful completion of Praxis I (math) and a 2000-level mathematics course. Concurrent enrollment in EDU-3811.

This course provides prospective elementary school teachers with a working knowledge of the methods, materials, skills, understanding and attitudes that will help them meet the needs of children learning mathematics. This course is taught off campus at our Professional Development School site.

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EDU-3035 LITERACY DEVELOPMENT IN THE EARLY YEARS:
PRESCHOOL-THIRD GRADE 3 CREDITS

Prerequisite: EDU-2040, EDU-2080.

Students will investigate how to provide a literacy program that provides children with appropriate learning experiences during the early years of school. Major topics to be pursued include phonological and phonemic awareness, how and when to “teach phonics,” how to assess, address and respond to early language and literacy development, including advanced and delayed development, and how to conduct a successful “guided reading” program. This class requires students to engage in observation and participation in classroom settings.

EDU-3080 LITERACY INSTRUCTION IN THE ELEMENTARY SCHOOL II 3 CREDITS
Prerequisite: EDU-2080, Concurrent enrollment in EDU-3811.

Methods, techniques, and rationale for integrating reading, writing, speaking and listening skills into the elementary classroom curriculum are presented in this course. Special emphasis is on relating oral language to reading instruction and on enhancing communication skills through poetry, creative writing, audio-visual media, music and art. This course is taught at our PDS site.

EDU-3110 LITERATURE FOR CHILDREN 3 CREDITS
Prerequisite: None. Recommended: EDU-2040.

Students in this course examine literature for children of different age groups and reading levels. Critical selection and evaluation, as well as the creative use of literature, are an integral part of the course. *Meets Part III for the GECC.* (Shared course in VSC)

EDU-3120 METHODS IN HEALTH AND PHYSICAL EDUCATION
FOR ELEMENTARY SCHOOL TEACHERS 2 CREDITS
Prerequisite: EDU-2040, EDU-3020; for PED majors, PED-1150.

This is a required course for certification in elementary education and elementary physical education. Emphasis is on various methods and teaching techniques in movement, games, and dance for use by elementary school classroom teachers.

EDU-3210 SECONDARY EDUCATION METHODS: GENERAL 2 CREDITS
Prerequisite: Must be taken in conjunction with specific content area methods class, e.g., EDU-3220, 3230, 3250 or 3260.

This two-credit course focuses on the preparation of the secondary teacher, grades 7-12. The class is organized into four basic areas: (1) the role of the teacher, (2) instructional and management techniques, (3) lesson and unit planning, and (4) professionalism and ethics. Students plan, teach, and evaluate within the class. Observations and participation in area schools also provide a readiness for the student teaching experience.

EDU-3220 SECONDARY EDUCATION METHODS: ENGLISH 1 CREDIT
Prerequisite: Concurrent enrollment in EDU-3210.

The language arts component of secondary methods focuses on instructional and assessment strategies in teaching literature and writing in grades 7-12.

COURSE DESCRIPTIONS

EDU-3230 SECONDARY EDUCATION METHODS: SOCIAL STUDIES 1 CREDIT

Prerequisite: Concurrent enrollment in EDU-3210.

The social studies component of this course is designed to help students organize, plan and teach social studies at the secondary level. A variety of techniques are experienced to provide active learning experiences in social studies.

EDU-3240 LITERACY DEVELOPMENT IN THE CONTENT AREAS 3 CREDITS

Prerequisite: None. (Open only to students who do not have a bachelor's degree)

This course concentrates on the principles, techniques and materials for teaching reading and writing through all content areas. Topics include the use of readability measures, vocabulary development, comprehension, research and study skills and lesson planning. A field component is an integral part of this course. (Shared course in VSC)

EDU-3250 SECONDARY EDUCATION METHODS: THEATER 1 CREDIT

Prerequisite: Concurrent enrollment in EDU-3210.

Students organize, plan and teach segments of theater classes to peers. Observations, lesson and unit plans are also included.

EDU-3260 SECONDARY EDUCATION METHODS: DANCE 1 CREDIT

Prerequisite: Concurrent enrollment in EDU-3210.

This course is designed to provide students with the necessary concepts and practical skills to develop curriculum, create course goals and lesson plans, and direct dance productions in a school setting; and to provide students with appropriate teaching techniques for teaching secondary school students.

EDU-3300 INTRODUCTION TO CLASSROOM MANAGEMENT 1 CREDIT

Prerequisite: EDU-2040 and EDU-2110

Advanced research, theories, and practices of classroom management at elementary, middle, and high school levels.

EDU-3811 ELEMENTARY STUDENT TEACHING I 6 CREDITS

Prerequisite: Overall B average(3.0); successful completion of Praxis I exam; EDU 2040, EDU 2080, EDU 2110 with grades of B- or higher; concurrent enrollment in or previously completed EDU 3010, EDU 3030, and EDU 3040, signature of approval from student teacher coordinator. This half-semester course involves student teaching and participation in seminars which focus on techniques, materials and technology pertinent to teaching in the elementary school. Students are expected to maintain the public school calendar.

EDU-4812 ART STUDENT TEACHING 12 CREDITS

Prerequisite: Overall GPA of 3.0 or higher; successful completion of Praxis I exam; EDU 2040 and/or EDU 2170; EDU 2110, EDU 3020, EDU 3240, ART 3120 and/or ART 3140 (with a grade of B- or higher in each), signature of approval from student teacher coordinator. This full-semester course involves full-time student teaching in art and participation in frequent seminars which focus on techniques, materials and technology pertinent to teaching art in an elementary school.

COURSE DESCRIPTIONS

EDU-4820 ELEMENTARY STUDENT TEACHING II 12 CREDITS

Prerequisite: EDU 3010, EDU 3020, EDU 3030, EDU 3040 and EDU 3811 with grades of B- or higher. Overall GPA of 3.0 or higher, signature of approval from student teacher coordinator. Following a semester of prescriptive study after Practicum I, the student enrolling in Elementary Practicum II will spend a full semester student teaching in a school district. Evaluation is based on the student's demonstration of the competence generally expected of a first-year teacher.

EDU-4830 MUSIC STUDENT TEACHING 12 CREDITS

Prerequisite: Overall GPA of 3.0 or higher, successful completion of Praxis I exam, EDU 2040, EDU 2170, EDU 2110, EDU 3020, EDU 3240, MUS 3160, and MUS 3210 (with a grade of B- or higher in each), signature of approval from student teacher coordinator. The full-semester course involves full-time student teaching in music and participation in frequent seminars which focus on techniques, materials and technology pertinent to teaching music in an elementary school.

EDU-4835 PHYSICAL EDUCATION STUDENT TEACHING 12 CREDIT

Prerequisite: EDU-2040 and/or EDU-2170, EDU-3120 and/or PED-3140, and EDU-2110, 3020, 3240 with grades of B- or higher, junior class standing, signature of approval from student teacher coordinator, 60 clock hours of field experience, overall GPA of 3.0 or better and successful completion of Praxis I exam. Beginning October, 2004, students applying for initial licensure must also pass Praxis II before doing their practicum. This course offers a full-time teaching placement in a public or private K-12 school under the supervision of an experienced physical educator. Students will apply principles, techniques and technology appropriate to the physical education classroom. (Shared course in VSC)

EDU-4850 SECONDARY EDUCATION STUDENT TEACHING 12 CREDITS

Prerequisite: Overall GPA of 3.0 or higher, successful completion of Praxis I, EDU 2170, EDU 2110, EDU 3020, EDU 3240 and a methods course in the appropriate content area (each with a grade of B- or higher), signature of approval from student teacher coordinator. Students spend a full semester in a secondary classroom setting, gradually increasing their involvement, and culminating in a period of full-time teaching under the direction of a cooperating teacher. Practical application of teaching principles, knowledge, and understanding of adolescents is involved. (Shared course in VSC)

ENGLISH (ENG)

ENG-1005 COLLEGE READING 3 CREDITS

Prerequisite: None.

This course is designed to teach critical reading skills applicable to course work in many fields. Students will learn how to recognize the essential points in a piece of reading, as well as how to discern the writer's tone and how to evaluate the relevance of supporting information. They will learn to ask questions about what they read, rather than taking what appears in print on faith. Though this course is not intended to be a speed reading course or a remedial