

RAINY RIVER COMMUNITY COLLEGE COURSE DESCRIPTIONS ~ CATALOG 2010-2012

KEY TO COURSE INFORMATION

* = Co-curricular activities

MNTC = Minnesota Transfer Curriculum goals met

ACCOUNTING

ACCT 1000 3 cr. Introduction to Accounting

This course is designed to give a general overview of the accounting field. The concepts of assets, liabilities, equity, revenue, and expenses will be discussed. Financial statements will be examined and interpreted. Practical applications like budgeting and reconciling bank statements will be performed. Journals, ledgers, and basic bookkeeping functions will be performed.

ACCT 1020 2 cr. Payroll Accounting

This course is designed for technical proficiency in federal payroll and employment regulation and reporting. Various federal and state forms are discussed, demonstrated, and prepared. General ledger concepts and the timing and accuracy of payroll reporting are stressed.

ACCT 1050 1 cr. Computerized Accounting

This course is recommended to anyone who is considering utilizing computer software programs for business or personal applications. Students are encouraged to complete projects that have practical significance to them.

ACCT 1100 4 cr. Principles of Accounting I

The course is designed to meet introductory accounting requirements for business and accounting majors seeking a bachelor's degree. The course begins with the fundamental accounting equation and the system for recording financial transactions. Basic financial reports are examined and the difference between accrual and cash accounting is explained. Time value of money is studied and the concept is used to amortize bonds. The impact of financing and investing activities on the financial reports is examined and common ratios are used to interpret financial information. The effect of financial leverage on risk and return is explained.

ACCT 1200 4 cr. Principles of Accounting II

This course is designed to meet the introductory accounting requirement for business and accounting majors seeking a bachelor's degree. This course focuses on reporting considerations for operating activities, inventory valuation, gain and loss on sale, cost-volume profit relationships, and reporting variances. Accounting functions as they apply to the management of a business are discussed in detail. Budgeting, job costing, and variance analysis and report structuring are some of the topics covered. Prerequisite or equivalent: ACCT 1100.

ANISHINAABE

ANSH 1010 4 cr. Anishinaabe Language I

This is the first course in an introductory Ojibwe language sequence emphasizing listening, understanding, vocabulary, speaking, reading, and writing. Topics include work using the double vowel writing system, grammar and the Ojibwe culture.

ANSH 1020 4 cr. Anishinaabe Language II

The second course in an introductory Ojibwe language sequence emphasizes listening, understanding, vocabulary, speaking, reading, and writing. Topics include work using the double vowel writing system, grammar and the Ojibwe culture. Prerequisite or equivalent: ANSH 1010.

ANSH 2010 4 cr. Anishinaabe Language III

The third semester in a sequence of courses is designed for advanced students who want to increase their complex sentence building skills, analysis skills and complex phrase skills leading to delivery of short speeches and short stories. Prerequisite or equivalent: ANSH 1020.

ANSH 2020 4 cr. Anishinaabe Language IV

This is the fourth semester in a sequence of courses and is designed for advanced students who want to increase their complex sentence building skills, analysis skills, and complex phrase skills leading to delivery of short speeches and short stories. Prerequisite or equivalent: ANSH 2010.

ART

ART 1000 1 cr. Introduction to Drawing

This is a community focused art course designed to introduce new drawing students to the uses of various drawing tools and media. Students will be provided a short-term intensive drawing experience designed to improve a student's abilities or to provide beginning art students the skills necessary to develop as an artist. MNTC: 2/6A

ART 1005 1 cr. Introduction to Painting

This course is designed to introduce semi-skilled or unskilled art painters to the materials and media necessary to create their own art paintings. Students will be provided an intensive short-term immersion style program designed to allow a student to sample art painting as a future prospective life skill. MNTC: 2/6A

ART 1010 1 cr. Community Ceramics, Glass Slumping, Metal Clay

This course is intended as a survey course to provide new or experienced artists with the skills necessary to intelligently design and privately use ceramic wall tiles, slumped stained glass, and precious metal clay. Students will gain skills in the formation and art of heat formed stained glass, jewelry from precious metal clay, and ceramic tiles for personal residential use. MNTC: 2/6A

ART 1015 1 cr. Introduction to Ceramic Wall Tiles

This course is designed to introduce students and potential artists to the basic abilities of clay, glaze, and kiln use. This course will provide beginning art students an opportunity to create basic ceramic sculpture and pottery items. There will be a heavy influence on community art expansion. MNTC: 2/6A

ART 1030 3 cr. Art Appreciation

This is a general overview art course that explores theoretical, cultural, and historical aspects of the visual arts, including the elements and principles of design. Students will develop visual and aesthetic awareness, relating art to themselves as individuals. MNTC: 2/6B

ART 1040 3 cr. Introduction to Art

This is a combination lecture-studio course that includes an exploration of the visual form of the modern era of art and the prominent artists of that time. Students will devote the majority of the course to studio projects as a basic introduction to materials, tools, and artistic process. A discussion of contemporary issues and personal application of art is included. MNTC: 2/6B

ART 1050 2 cr. Anishinaabe Crafts

A studio course for Indigenous crafts, this course is designed for students who want to learn to make crafts such as dream catchers and jewelry through skills in loom work, beading, and leatherwork. Skills in threading, sewing, and pattern work will also be developed. One major and two minor projects are required to complete this course. MNTC: 2/6A

ART 1130 2 cr. Introduction to Design

In Introduction to Design, students are introduced to two-dimensional design through a variety of studio projects. Students will discover line, shape, texture, color, and space as visual tools and will develop an awareness and appreciation of design as an important part of their lives. MNTC: 2/6B

ART 1400 4 cr. Drawing

Students in Drawing are introduced to and explore the basic skills needed for creative, self-satisfying drawing. Media include pencil, charcoal, ink, and pastels. Emphasis is placed on increasing individual perception and fostering a sense of visual awareness. Subjects include still life, imagination drawing, and figure drawing. Matting work for display is also covered. MNTC: 2/6A

ART 1410 4 cr. Introduction to Printmaking

This studio art course explores lithographic, intaglio, collagraph, and monotype printmaking processes. The course is devoted to teaching techniques and assisting students in their attempts to create prints with an emphasis on image making. Representational drawing ability is not required. MNTC: 2/6A

ART 1510 4 cr. Introduction to Sculpture

This studio course is an introduction to basic sculptural concepts accomplished through a variety of materials and processes, and is designed to help students develop a basic vocabulary related to sculpture. The assignments and demonstrations help students expand their ability to think "visually" and "three dimensionally" by providing hands-on experiences in the classroom. MNTC: 2/6A

ART 1610 2 cr. Introduction to Watercolor Painting

This studio course introduces the basic techniques and skills used in watercolor painting for the beginning or limited experience student. Students will learn basic techniques through demonstration and experience. Lab fee required. MNTC: 2/6A

ART 1710 4 cr. Introduction to Jewelry

This studio course is an introduction to basic metalsmithing concepts accomplished through a variety of assignments working with silver and copper. Students will explore both fabricating and casting techniques used in the production of jewelry. MNTC: 2/6A

ART 2500 4 cr. Ceramics

In this introductory ceramics class, students are introduced to clay as a medium for creating both functional and decorative pieces. Projects include exploring decorative techniques, basic hand processes, and throwing on the pottery wheel. Students will experience basic glazing, kiln loading, and firing. MNTC: 2/6A

ART 2610 2 cr. Advanced Watercolor Painting

This studio course further develops watercolor painting skills introduced in Art 1610. Emphasis is on professional instructional assistance for the experienced watercolor painter who desires additional instruction, but who also can work independently. Students independently select and plan their paintings while exploring technique and color. This course focuses on how to use resource materials to create successful compositions for more creative and expressive paintings. Prerequisites or equivalent: ART 1610. MNTC: 2/6A

ART 2700 4 cr. Painting

This studio course introduces students to painting with acrylics. Students explore basic visual characteristics through a series of exercises and subject matter. Class discussions focus on resource materials and compositional organization. Basic framing is discussed. Prerequisites or equivalent: ART 1400. MNTC: 2/6A

AVIATION

AVIA 1120 2 cr. Aviation Ground School

This course serves as a preparation for the FAA Private Pilot written examination, which will be taken upon successful completion of the course. Course content includes all necessary FAA regulations, aerodynamics, flight instruments, weight and balance, aircraft performance, sectional charts, weather, radio navigation and communication (including radar services), cross country planning, flight safety, and emergency procedures.

BIOLOGY

BIOL 1015 4 cr. General Biology I

General Biology I is the first of a two-course sequence in general biology. It introduces the structure and function of cells, genetics and heredity, applications of biotechnology (stem cells, cloning), and evolution. This course is intended for any student interested in further life science or health science studies. Hours per week: Lecture-3; Lab-2. MNTC: 2/3

BIOL 1025 4 cr. General Biology II

General Biology II is the second of the two-course sequence in general biology. The main topics of this course are biodiversity (classification, morphology, and natural history of bacteria, protists, fungi, animals, and plants), an introduction to anatomy, physiology, and behavior of animals, structure and function in plants, and ecology. Prerequisite: BIOL 1015 or equivalent. Hours per week: Lecture-3; Lab-2. MNTC: 2/3/10

BIOL 1030 1 cr. Student Research in Biology I

Student Research in Biology I is an independent study course in which students are given the opportunity to complete a small-scale research project of their own design or participate in an ongoing research project in the lab or in the field under the supervision of an instructor. Upon completion of the project, the student will document the project by writing a professional report in the format of a scientific journal article. Prerequisite: Permission of instructor.

BIOL 2020 4 cr. Elementary Ornithology

Elementary ornithology is a general introduction to the biological study of birds. Major study topics include avian anatomical and physiological diversity, ecology, behavior, field identification, taxonomy, reproduction, evolution, population ecology, migration, distribution, and conservation. Identification of prepared specimens occurs in the laboratory. Field emphasis is placed on northern Minnesota species. Field trips required. Hours per week: Lecture-3; Lab-2. Prerequisite or equivalent: high school biology or NSCI 1080.

BIOL 2030 1 cr. Student Research in Biology II

Student Research in Biology II is an independent study course in which students are given the opportunity to complete a larger-scale research project of their own design or participate in an ongoing research project in the lab or in the field under the supervision of an instructor. Upon completion of the project, the student will document the project by writing a professional report in the format of a scientific journal article. Prerequisite: Permission of instructor.

BIOL 2100 4 cr. Human Anatomy

Human Anatomy is a general survey of the structures of the human body. Cells, tissues, blood, and the structures of the integumentary, skeletal, muscular, nervous, cardiovascular, respiratory, digestive, endocrine, reproductive, and urinary organ systems are studied. The course is for liberal arts and sciences students, as well as students preparing for careers in health-related professions, biological sciences, science education, and physical education programs. Hours per week: Lecture-3; Lab-2. MNTC: 2/3

BIOL 2200 4 cr. Human Physiology

Human Physiology is a general survey of the functions of cells, tissues, and organ systems in the human body, with an emphasis on homeostasis (the body functioning properly as a whole) and disease as a departure from homeostasis. Transport of molecules across membranes will be studied as the basis of how cells function together as tissues and tissues function together as organs. The course is for liberal arts and sciences students as well as students preparing for careers in health-related professions, biological sciences, science education, and physical education programs. Hours per week: Lecture-3; Lab-2. Prerequisite or equivalent: BIOL 2100. MNTC: 2/3

BIOL 2300 4 cr. Microbiology

Microbiology focuses on the classification, structure and function of microorganisms. Emphasis will be on bacteria, but the course also includes the fungi, protozoa, viruses, and parasitic helminth worms. Pathogenic organisms, the diseases they cause, the human immune response, and methods for controlling microbes are discussed, as well as environmental and applied (industrial) microbiology. Lab work includes aseptic procedures for working with living cultures, preparing microscope slides with staining techniques, and identification of microorganisms using various growth media and diagnostic tests. Prerequisite or equivalent: BIOL 1015 or higher, or NSCI 1085. Hours per week: Lecture-3; Lab-2. MNTC: 2/3

BUSINESS

BUS 1000 2 cr. Keyboarding for College

Students will develop touch control of the keyboard and proper keyboarding techniques, building basic speed and accuracy skills. Practice in applying basic skills to the formatting of letters, reports, and memos is provided. Course content includes keyboarding the alphabet, the numbers, and the symbols.

BUS 1015 2 cr. Intermediate Keyboarding with Microsoft Word

Students will develop touch control of the keyboard and proper keyboarding techniques; build basic speed and accuracy skill; and provide practice in applying those basic skills to the formatting of letters, reports, tables, memos, and other kinds of personal-business and business communications. Course content consists of keyboarding the alphabet, the numbers, and the symbols. Skill development in horizontal, vertical, and block centering. Prerequisite or equivalent: BUS 1000.

BUS 1020 4 cr. Advanced Keyboarding with Microsoft Word

Students will develop skills creating correspondence with two page letters and letters on special stationery. Specific skills addressed include salutations, closings, and paragraphing. Students will also prepare tables of financial statements, balance sheets, two-page tables, legal document reports, promissory notes, minutes, wills, agreements, and contracts. Students will participate in integrated office projects involving insurance, banking, travel, government, energy, electronics, law, and medicine. Prerequisite or equivalent: BUS 1015.

BUS 1030 2 cr. Word: Word Processing Applications

A business application course designed to give the student competence in using Microsoft Word, word processing software. Students will create, edit, format, print, and save files. Other functions covered include macros and styles, merging documents, footnotes, columns and tables, and integrating text and graphics.

BUS 1060 3 cr. Business Communications

Topics in Business Communications include a review of grammar rules, using the direct, indirect and persuasive approaches to letter writing, report writing, writing interoffice memorandums, and preparing job application documents. Prerequisite or equivalent: BUS 1015.

BUS 1090 3 cr. General Machine Transcription

This course demonstrates machines and pre-transcription training tapes. Students will transcribe tapes. Course content also includes spelling tests, word study drills and tests, preparing mailable copy, and proper editing of material with proofreaders' marks. Prerequisite or equivalent: BUS 1015.

BUS 1160 2 cr. Excel Spreadsheet Applications

Excel is a business application course designed to give students competence in using Microsoft Excel spreadsheet software.

BUS 1200 2 cr. Access Database Management

Access is a business application course designed to give students competence in using Microsoft Access database software. Students will organize, set up, maintain, edit, query, and index a database and create reports using Microsoft Access.

BUS 1220 2 cr. PowerPoint Presentations

This course introduces students to designing, developing, and delivering business presentations using Microsoft PowerPoint application software. Students will work with complex animation and sound effects, as well as Web presentations.

BUS 1240 3 cr. Workplace Business Skills

This course introduces the student to workplace business skills, including people and telephone skills. Other topics include filing and records management, mail, meetings and travel, ergonomics, and financial documents. The student will practice these skills in a business simulation that integrates technology tools and communication skills. Prerequisite or equivalent: BUS 1015.

BUS 1460 3 cr. Introduction to Business

Introduction to Business is designed to introduce the student to the concepts and practices of the modern business community. It is recommended for all students interested in a business major or for those individuals desiring to know more about business.

BUS 2000 3 cr. E-Business: Telecommunications and Internet

This technology-based course is an introduction to telecommunications and electronic business. The focus will be on business use of the Internet and electronic voice, data, and video communications.

BUS 2070 3 cr. Legal Environment of Business

Legal Environment of Business is designed to help the student gain a greater understanding of the legal and regulatory environment in which businesses function. The student should develop an awareness of the legal issues that commonly confront businesses and an ability to apply concepts and practices discussed in this course to resolve those issues.

BUS 2200 3 cr. Advanced Business Applications

A course for students who have successfully completed a business application or word processing application course and wish to do more advanced work. This is a capstone course for Business Technology students. Students will be part of a business simulation where they will do advanced computer application work. Prerequisite: consent of instructor.

CAREER DEVELOPMENT

CDEV 1010 1 cr. Career Planning and Exploration

This course includes a variety of exercises designed to assist students in researching personal and career traits - leading to the development of an educational and career plan for the student.

CHEMISTRY

CHEM 1090 5 cr. Principles of Chemistry I

This is the first course in a two-semester sequence that examines the basic theories and principles of chemistry that are central to our understanding of the natural world. The emphasis of this class is on science and the scientific method, chemical structures, bonding, and reactivity. Laboratory emphasizes the skills of observation, data collection, and report writing. This class is for liberal arts and sciences students as well as students interested in life sciences, health sciences, and physical sciences. Hours per week: Lecture-4; Lab-2. Prerequisite or equivalent: MATH 1140, or concurrent enrollment. MNTC: 2/3

CHEM 1100 5 cr. Principles of Chemistry II

This is the second course in a two-semester sequence that examines the basic theories and principles of chemistry that are central to our understanding of the natural world. The emphasis of this class is on intermolecular forces, kinetics, equilibria, acid-base chemistry, thermodynamics, nuclear, organic, and polymer chemistry. Laboratory emphasizes experimental design, qualitative analysis, and solution chemistry. This course is for liberal arts and sciences students, and students interested in life sciences, health sciences, and physical sciences. Hours per week: Lecture-4; Lab-2. Prerequisite or equivalent: CHEM 1090; MATH 1140 strongly recommended. MNTC: 2/3

CHEM 1500 5 cr. Health Science Chemistry

This course is primarily designed for students in the allied health sciences field. This course is also an excellent prerequisite for a course in physiological chemistry or biochemistry. It is a one-semester survey course, covering a broad range of topics. Lectures and laboratory experiences cover the fundamental aspects of inorganic chemistry followed by the essentials of organic and biological chemistry. Topics include metric conversions, atomic structure, periodicity and chemical bonding, chemical reactions and energy changes, solutions and colloids, inorganic nomenclature, organic functional groups and their reactions, carbohydrates, lipids, proteins, enzymes, basic metabolism, and nucleic acids. Hours per week: Lecture-4; Lab-2. Prerequisite or equivalent: MATH 0955, or concurrent enrollment.

CHEM 2610 5 cr. Organic Chemistry I

This course is an introduction to the study of chemical compounds that contain carbon. The emphasis of this course is on naming, drawing structures, the properties and reactions of organic chemicals, how they are prepared and purified in the laboratory, and why they are so important in our lives. Laboratory exercises will focus on the development of techniques used in chemical purification, synthesis, and identification. Organic chemistry is required for chemistry, pharmacy, and pre-medical majors and recommended for all science majors. Hours per week: Lecture-4; Lab-2. Prerequisite or equivalent: CHEM 1090 and CHEM 1100.

CHEM 2620 5 cr. Organic Chemistry II

Organic Chemistry II is a continuation of the study of carbon compounds. The emphasis of this course is on the properties, reactions, and syntheses of a variety of organic compounds. Laboratory exercises will focus on more advanced synthesis and

purification techniques and on the identification of unknown chemicals. This course is required for chemistry, pharmacy, and pre-medical majors and recommended for all science majors. Hours per week: Lecture-4; Lab-2. Prerequisite or equivalent: CHEM 2610.

COMPUTER SCIENCE

CSCI 1100 3 cr. Introduction to Computer Technology

Introduction to Computer Technology is an introductory course to provide the student with a basic understanding of a computer system and how it works. The course also introduces the student to the most commonly used application software for word processing, spreadsheet, and database management.

CSCI 1200 3 cr. Management Information Systems

This course is an introductory course in the fundamentals of management information systems with an emphasis placed on business information systems and the Internet environment. Computer software and hardware is discussed, as well as the role of computer-based information systems in organizations, decision support, and expert systems. Topics include managing information technology and security and ethical challenges of information technology. Emphasis is placed on end-user computing and productivity software. Prerequisite or equivalent: Basic application software experience.

CSCI 1300 3 cr. Visual Basic Programming

This course is designed as an introduction to computer programming using Visual Basic (VB). Emphasis is placed on identification of the problem, and coding, executing, and debugging programs. Students will be working with object-oriented technology including VB controls, properties, multiple forms, and sequential file Input/Output. VB is suggested for individuals with little or no previous programming experience. Prerequisite or equivalent: CSCI 1100.

CSCI 1310 3 cr. Problem Solving in Computer Science

This course is designed to bridge the gap between courses covering the use of application programs and courses covering computer language and the development of application programs. In this course, the student learns the rudiments of problem solving and the application of problem solving skills to the area of Computer Science. Topics covered include problem solving and algorithm development, Boolean logic, and computer circuits designed to process logical expressions, how computers process instructions, and an introduction to machine and assembly languages as well as a high-level language such as C++. Prerequisite or equivalent: CSCI 1100; Co requisite or equivalent: MATH 1140.

CSCI 1430 3 cr. Introduction to HTML

Introduction to HTML (HyperText Markup Language) focuses on the design, development, and maintenance of World Wide Web pages while learning how to create Web pages that include text, images, sound, video, scripts, forms, and image maps. Using HTML, students will gain an understanding of the most important topics of HTML, which include the basics of creating Web pages with graphics and links, using tables, controlling page layout frames, cascading style sheets, programming with JavaScript and JavaScript objects and events, and creating multimedia Web pages. Prerequisite or equivalent: CSCI 1100.

CSCI 2100 3 cr. Microcomputer Operating Systems

Microcomputer operating systems is a course designed to introduce students to the most commonly used operating systems on the market. Computer interfaces and computer networks are discussed with emphasis on hardware, software, data linking, and operating system user support. Topics include basic system resources, operating system concepts, command and job control languages, and user support software. Prerequisite or equivalent: CSCI 1100.

CSCI 2320 4 cr. Computer Science I

This is the first semester of a two-semester sequence in computer science covering problem solving and algorithm design using a high level programming language such as C++. The basics of computer science, problem solving, programming strategies, algorithm design and development, data objects, logical expressions, functions and library usage, and parameter passing will be covered. Every student will complete a programming project of his or her design. Prerequisite or equivalent: CSCI 1100, high school algebra.

CSCI 2330 4 cr. Computer Science II

This is the second semester of a two-semester sequence in computer science using a high level programming language such as C++. This course covers arrays, abstract data types, object-oriented design, recursion, and includes a group-programming project. Prerequisite or equivalent: CSCI 2320.

ECONOMICS

ECON 1010 3 cr. The American Economy

The American Economy provides a basic introduction to the operation of the American economic system and the dynamics of this economy within the larger global system. Students are introduced to measures of production, employment, and income. In addition, students will become familiar with the role of money and its effect on the economy, business fluctuations, current economic activity, and how these current policies and activities affect business management decisions. MNTC: 2/5/8

ECON 2040 4 cr. Principles of Economics: Macro Economics

Macro Economics is a general survey of the operation of the economy. Students are introduced to U.S. economic theory and learn about the U.S. economic system, national income, employment, and fiscal policy, as well as money, banking, and monetary policy. In addition, problems and controversies in macroeconomics are discussed. Through this course, students gain an appreciation for international economics and the world economy. MNTC: 2/5/8

ECON 2050 4 cr. Principles of Economics: Micro Economics

Micro Economics analyzes the nature and method of fundamental economic concepts. Students learn about the principles and techniques of economic analysis within the market system. Core concepts covered in this course include supply, demand, and elasticity, forms of monopoly and competition as well as the pricing of land, labor, and capital. In addition, students learn about international trade, balance of payments, trade deficits, the comparative advantage, and protectionism. This course focuses on economies currently in transition, offering students a global perspective of the fluctuating economic world. MNTC: 2/5/8

EDUCATION

EDUC 1000 1 cr. Pre-education Seminar I

This course is the first of two seminar courses to be taken by students interested in careers in education. Designed as an introductory education cohort course, students will begin to explore topics that affect professional educators and examine how their personal beliefs and values are connected with educational issues. Students will also participate in a service-learning practicum experience in the local elementary or high school classrooms. Discussion and research topics include educational values/conflict of values; historical, political, and sociological perspectives in education today; roles, responsibilities, and functions of a professional educator; child development and learning; the importance of diversity in the classroom; classroom management and discipline; fundamentals of cooperative learning; and observation and documentation.

EDUC 2000 1 cr. Pre-education Seminar II

This course is the second of two seminar courses to be taken by students interested in careers in education. Students will continue their personal exploration in the topics that affect professional educators and examine issues relating to the educational field. Students will participate in a service-learning component at local elementary and high schools. Discussion and research topics include assessment methods; learning styles; educational resources; technology in education; personal goal setting; job-seeking skills/communication; and specialization in the education field.

ELECTRICAL

ELEC 1105 4 cr. Electrical Systems in Industry

This course provides a general knowledge of industrial electrical systems. It encompasses topics starting with basic electrical theory and continues with basic DC/AC theory; circuit components; schematic symbols; measurement; mathematical and practical analysis of series, parallel, and series/parallel circuits; electrical safety; electrical distribution systems; and motor control. The course focus is on practical knowledge needed by multiple craft and operation personnel. Lab safety and the safe and proper use of tools and test equipment are emphasized.

ENGLISH

ENGL 0900 3 cr. Preparation for College Reading I and II
0910

This English course is designed for inexperienced readers. Students will build vocabulary, background knowledge, and general reading skills. Students will write about and discuss readings. ENGL 0910 is a continuation for students who have made progress, but are not ready to exit the course. A combination of standardized test scores and a course portfolio will determine exit from Preparation for College Reading. This course does not meet degree requirements. Recommended co-requisite: BUS 1000.

ENGL 0950 3 cr. Preparation for College Writing I and II
0960

This writing course is designed to improve college level writing skills. Students will learn to use the writing process: planning, drafting, revising, editing, and publishing. Students will use the conventions of Standard English to improve their sentence structure and paragraph development. Students will demonstrate competency on a portfolio exit exam before progressing to Composition I. This course does not meet degree requirements. Recommended co-requisite: BUS 1000.

ENGL 1000 2 cr. Critical Reading

This course is designed for students who have acquired the basic framework of comprehension and vocabulary skills necessary for the critical reading of academic materials. The course is open to anyone who wants to improve his/her critical reading skills and reading rate.

ENGL 1005 2 cr. Academic Reading

This course will focus on developing reading and thinking strategies necessary for dealing effectively with different kinds of college reading assignments. A major focus of the class will be on developing strategies such as pre-reading, marking and annotating, identifying writing patterns, and vocabulary enhancement. Critical reading/thinking will be applied to a variety of assignments drawn from other college-level courses on campus.

ENGL 1010 3 cr. English Composition I

This course teaches techniques of expository writing and the construction of formal essays, focusing on grammar and diction, the sentence, the expository paragraph, the essay, research skills, and the writing process. The course will prepare students in the basic elements of critical thinking (analyzing and evaluating evidence), the elements of expository writing (the paragraph, the sentence, punctuation, and grammar), essay construction (structure, organization, and point of view) as well as the writing process. MNTC: 1/2

ENGL 1020 3 cr. English Composition II

An introduction to research, this course provides practical instruction and guided experience in the process of gathering research material, evaluating that material for its credibility and usefulness, and molding that material into a readable, well-developed argument paper. Students will be required to complete their papers on a word processor. Prerequisite or equivalent: ENGL 1010. MNTC: 1/2

ENGL 1150 3 cr. Creative Writing

This course focuses on a variety of creative writing forms: poetry, short fiction, nonfiction, drama, children's fiction, science/fantasy fiction, and memoir. Students will use the elements of style (character, plot, theme, language, etc.) to develop each focused type and style of writing. MNTC: 2/6A

ENGL 1160 3 cr. Creative Writing Genres

This course focuses on one or two genres of creative writing: poetry, short fiction, nonfiction, drama, children's fiction, or science/fantasy fiction. Students will use the elements of style (character, plot, theme, language, etc) to develop the focused genre(s) of writing. Course focus will be predetermined by the instructor and student interest prior to scheduling. MNTC: 2/6B

ENGL 1200 3 cr. Introduction to Literature

Introduction to Literature introduces students to literature through analysis of literary forms, themes, styles and perspectives. A wide range of literary periods and authors are examined. Students explore short stories, poetry, non-fiction, and drama. Students also study literary terms, writing styles, themes, symbolism, structure, points of view, and other aspects of writing. MNTC: 2/6B

ENGL 1300 3 cr. Environmental Literature

This course will introduce students to American literature that deals with the changing relationship between humans and the rest of the natural world. The course, which is designed to appeal to students interested in science as well as in literature, will show students how literature can add to our understanding of nature. Lectures will give students an understanding of the development of American nature writing. Class discussions will analyze nature writing as works of literature and will consider the contributions that environmental literature can make to science and society. MNTC: 2/6B/10

ENGL 1400 3 cr. World Literature

This course is a study of literature from around the world. Students examine a variety of modern, internationally diverse literary pieces that speak to cultural issues and concerns of global importance. Students will extend their understanding of world cultures through analyzing the perceptions and writing styles of international authors and examining differing human experiences. Basic literary principles and themes will be discussed. MNTC: 2/6B/8

ENGL 1500 3 cr. Women's Literature

Students study literature by women and trace the historical contributions of women writers. Students gain a better understanding of women's voices in literature and their roles in the development of our literary canon and culture. This course highlights women's issues, themes, and styles. Students will extend their understanding and appreciation of the contributions made by women in literature. Throughout, basic literary principles and themes will be discussed. MNTC: 2/6B

ENGL 2130 3 cr. Basic Technical Writing

Students learn the objectives of technical writing, clarity, accuracy, and simplicity, through a series of structured writing assignments. Some of these assignments include descriptions of mechanism, processes, abstracts, business letters, informative summaries, and formal reports. Students learn to interpret and construct basic visual aids, such as graphs, tables, and diagrams often used in technical reports.

ENGL 2210 3 cr. Shakespeare on Love

This course is an introduction to Shakespeare's dramatic works. Comedies, tragedies, and historical plays will be analyzed and discussed. The thrust of the course will be to explore the language, images, and situations Shakespeare uses to develop the themes of love, fate, and so on. Students will read plays, analyze them, as well as watch performances of those plays and perform scenes from them.

ENGL 2300 3 cr. African American Literature

Starting with the Harlem Renaissance and ending with contemporary authors, students are exposed to the drama, poetry, essays, and autobiographies that have shaped not only black American culture, but popular American literature and culture. Students will gain an appreciation of the modern history of black Americans and will come to recognize the distinctive flavors of black American expressionism with regard to historical context. MNTC: 2/6B

ENGL 2310 3 cr. American Literature of the 19th Century

Students study classic works from several authors: short stories, essays, poetry, and selections from novels. Students will write research reports of the life and works of 19th century American authors. Throughout the course, fundamentals of literary perspectives and criticism will be discussed, as well as the impact of science, technology, and war upon American life. MNTC: 2/6B

ENGL 2330 3 cr. Science Fiction

This is a survey course in the literature of the future with representative readings in the themes of science fiction. Students explore the development of this genre, popular and recurring themes in science fiction, and the authors associated with these themes. Through examining literary pieces, students will gain an awareness of how contemporary issues emerge as themes in science fiction.

ENGL 2350 3 cr. Classical Mythology

Greek and Roman mythology and legends, as well as legends and folklore from other cultures, will be explored. Students learn the basic purposes and truths common to most myths. Students study the history of the progression of human thought from early beliefs about nature to modern views of nature. Written work includes research papers on assigned topics or topics chosen by the student, and worksheets based on assigned readings. MNTC: 2/6B

ENGL 2380 3 cr. Popular Literature

Popular Literature is a study of the magazines and "best seller" literature of today. The course will include study of the rise in popularity of this literature (both fiction and nonfiction), why it appeals to readers, and what effects it has on readers.

ENGL 2390 3 cr. Survey of American Indian Literature

Students read, study, discuss, and write about literature written about American Indians, by Indians and non-Indians. Students gain a better understanding of Indian roles, issues, and themes in the development of Indian literature and culture. Students will broaden their understanding and appreciation of the contributions made by American Indians in American life. Throughout, basic literary principles and themes will be discussed. Students will gain insight regarding the American Indian response to acculturation. MNTC: 2/6B

ENGLISH AS A SECOND LANGUAGE

ESL 0910 3 cr. Community English as a Second Language: Beginning Communication

This class works to get students' language skills to the intermediate English level. While the class takes a functional, whole language approach, some emphasis will be placed on reading, writing, speaking, and listening. The functional approach to the class will allow students to focus on learning the language they need in their living and working lives. This course cannot be used to meet degree requirements.

ESL 0920 3 cr. Community English as a Second Language: Intermediate Communication

This class works to get students' language skills to the advanced English level. While the class takes a functional, whole language approach, some emphasis will be placed on reading, writing, speaking, and listening. The functional approach to the class will allow students to focus on learning the language they need in their living and working lives. The course also explores cultural topics. This course cannot be used to meet degree requirements.

ESL 0930 3 cr. Community English as a Second Language: Advanced Communication

This class works to get students' language skills to an English level necessary for community proficiency. While the class takes a functional, whole language approach, some emphasis will be placed on reading, writing, speaking, and listening. The functional approach to the class will allow students to focus on learning the language they need in their living and working lives. The course also explores cultural topics. This course cannot be used to meet degree requirements.

FILM STUDIES

FILM 1020 3 cr. The American Cinema

This introductory course in film studies examines American movies as a unique art form that communicates, records, shapes, and challenges aspects of American society. MNTC: 2/6B

GEOGRAPHY

GEOG 1100 3 cr. Introduction to Map Use

This is an introduction to the characteristics and use of maps, compasses, and global positioning systems. Topographic maps will be used for physical analysis as well as to discern cultural and economic features of landscapes. Thematic maps and their use and applications will also be presented. Students will gain useful application skills through field activities and basic map design.

GEOG 1200 3 cr. World Regional Geography

World Regional Geography is a geographical analysis of the physical and cultural landscapes of countries of the world by region. Students will examine contrast in the world between various regions in terms of quality of life, level of economic development, form of government and other characteristics important in today's world. MNTC: 2/5/8

GEOG 1700 3 cr. Geography of Northeastern Minnesota

This course is an active geographical survey of the physical, cultural, economic, and recreational aspects of northeastern Minnesota. Included in the 9-day course are 2 days in the classroom and 7 days in Voyageurs National Park with 6 hours of curriculum each day.

GEOG 2100 3 cr. Introduction to Physical Geography

This course is a dynamic survey of the Earth's natural landscapes, atmosphere, climate, environment, and biosphere. Students will demonstrate a basic understanding of physical geographical investigation and analysis. MNTC: 2/5/10

GEOG 2200 3 cr. Introduction to Human Geography

This course focuses on the study of geographical relationships and interactions of cultural, social, ethnic, and political factors around the world. Students will develop a basic understanding of population subgroups, religions, languages, urban and rural settlements, and other attributes of the cultural landscape. MNTC: 2/5/8

GEOG 2300 3 cr. Economic Geography

This course is a spatial structure study of world economic activities including agriculture, forestry, fishing, mining, industry, and trade. Students will develop a basic understanding of geographical investigation of specific economic features and variations throughout the world. MNTC: 2/5/8

GERMAN

GERM 1010 4 cr. Beginning German I

In Beginning German I, students will develop linguistic proficiency and cultural sensitivity in reading, writing, speaking, and listening to modern German. By interweaving language and culture, each student will broaden their knowledge of the German language, while at the same time deepening their appreciation of another culture.

GERM 1020 4 cr. Beginning German II

In Beginning German II, students will further their linguistic proficiency and cultural sensitivity in reading, writing, speaking, and listening to modern German. By interweaving language and culture, students will advance their knowledge of the German language, while at the same time deepening their appreciation of another culture. Prerequisite or equivalent: GERM 1010.

GREEN AND SUSTAINABLE CONSTRUCTION TECHNOLOGY

GSCT 1100 2 cr. Orientation to Green and Sustainable Construction

This course will provide an overview of the construction industry. It introduces students to various working environments and conditions within the construction industry and identifies workers' rights and responsibilities in a Green and Sustainable Construction environment. Students will be introduced to Green and Sustainable building concepts.

GSCT 1200 3 cr. Construction Tools, Equipment, and Safety

This course introduces students to the safe use of portable power tools and stationary shop equipment associated with the construction industry. Students will be able to identify, properly use, and maintain carpenter hand and portable tools, machines and equipment. Learners will study safe work habits and basic first aid, including CPR.

GSCT 1300 4 cr. Green and Sustainable Foundations and Masonry

This course introduces students to foundations, concrete, site prep, site layout, and masonry. Students will study techniques, procedures, and practices for concrete block foundations, poured wall foundations, wood foundations, forming, laying, and finishing concrete floors, slabs, footings, and sidewalks. Students will learn the tools used as well as the safety and care of those tools. Students will form, place and finish a garage slab at a worksite. Materials used and the environmental impact will be discussed.

GSCT 1400 3 cr. Green Applied Fundamentals I

This course introduces students to the materials used and their impact on the environment, design, methods and techniques of framing. Students will study different types of wall and roof framing, exterior trim and finish, window, entrance door and overhead door installation, roofing techniques and building completion on the offsite garage project. Cold weather construction techniques will be discussed and utilized.

GSCT 1500 3 cr. Green and Sustainable Building Design, Blueprint Reading/Building Codes

This course introduces students to building designs and energy efficiency and sustainable products related to design. This course also covers the basics of reading and drawing blueprints for residential and light commercial construction. Students will learn about local and federal building codes and how they are part of the planning process for design. Students will design and create blueprints for a small construction project such as a Sauna, Fish House, Storage Shed, or Small Portable Cabin.

GSCT 1600 3 cr. Energy Efficient Certifications and Cold Weather Construction

This course introduces students to the Leadership in Energy and Environmental Design (LEED), Minnesota GreenStar and other green building rating system. Energy efficiency construction techniques, best practices, and available products will be researched. Cold weather construction techniques will be covered for future building projects.

GSCT 1800 3 cr. Green Applied Fundamentals II

This course introduces students to the materials used and their impact on the environment, design, methods and techniques of framing. Students will study different types of floor, wall and roof framing, insulation techniques, wiring, plumbing, exterior trim and finish, interior trim and finish, window and entrance door installation, roofing techniques and building finish on the small construction projects designed in GSCT 1500. Heating and Solar Energy will be discussed and their impacts on the environment. Cold weather construction techniques will be discussed and utilized.

GSCT 2100 2 cr. Green Material Cabinetry

This course introduces the student to cabinet related planning, estimation, construction fundamentals and techniques. Products used and their impact on the environment will be discussed. Students will tour cabinet making facilities. Students will work on layout, installation, purchasing, and a mock install of a kitchen.

GSCT 2200 6 cr. Energy Efficient Construction Principles I

This course introduces the student to building an offsite green and sustainable house. The student will learn about site preparation and layout, foundations, floor, wall and roof framing, sheathing, roofing, house wrap, residential wiring, insulation techniques, heating and ductwork. Students will build an energy efficient green and sustainable shell of a house. The focus of this class is to put into practice all the skills of Green and Sustainable Construction Technology taught in prior classes.

GSCT 2300 3 cr. Green and Sustainable Exterior Technology and Materials

This course introduces the student to exterior finishing. Students will learn soffit and fascia finishing, exterior door and window installation, siding, deck or step building with proper footings, framing and stairs as needed. Proper code requirements will be followed.

GSCT 2400 2 cr. Green and Sustainable Project Management

This course introduces the student to working with and maintaining a proper timeline, use of project management software, following and meeting deadlines, and proper order of projects as they pertain to the offsite house project.

GSCT 2500 6 cr. Energy Efficient Construction Principles II

This course introduces the student to interior finishing of the offsite house project. Plumbing, interior wall subdivisions will be installed and discussed. Interior wall and ceiling finish will be discussed and performed. Use of products and their energy efficiency will be covered.

GSCT 2600 3 cr. Green and Sustainable Interior Technology and Materials

This course introduces the student to flooring, cabinet installation, interior trim work, painting techniques and products, fixture choices and installation. Final finishing of the offsite house project and Energy Efficiency Certification/Rating will be awarded to the house.

HEALTH

HLTH 1810 2 cr. Lifetime Wellness

This course provides information about health and wellness issues. Students learn stress management, physical fitness, nutrition, sexuality, disease prevention, chemical use and abuse, addictions, and environmental effects on health. The theme of taking responsibility for one's own health is reinforced throughout the semester.

HLTH 1850 2 cr. Introduction to Nutrition

This course introduces the study and utilization of food and nutrients as it applies to optimal health. The course also includes a discussion of diets and nutritional deficiencies as they relate to disease.

HLTH 2010 3 cr. Chemical Abuse Education

This course provides information about the use and abuse of chemicals. Students learn about drug identification, physical and psychological effects on the individual and society, and chemical abuse prevention. Throughout the semester, students learn strategies for being responsible for their own health.

HISTORY

HIST 1000 1 cr. Video History of the Vietnam War

This video survey course of the Vietnam War covers the period of 1946 through the United States' "pullout" and the defeat of South Vietnam. The Time-Life series on the Vietnam War and the video series entitled "Vietnam: The Ten Thousand Day War" will be used. Students will explore long- and short-term causes of the war, trends and developments that occurred during the war, and its impact on contemporary world developments.

HIST 1050 1 cr. Video History of Sports

This video survey course of sports examines various aspects of sports during the ancient to present-day period. Students will explore trends and developments pertaining to culture, race, gender, and entertainment. Topics include ancient Roman gladiatorial games, Native American athletics, tennis, golf, basketball, football, baseball, and automobile racing.

HIST 1100 1 cr. Video History of the American Frontier West

This video survey course of the American Frontier West examines the pre-Columbian to 1900 C.E. period. Topics include pre-Columbian indigenous culture and history, the various experiences between indigenous peoples and Europeans, and the hypotheses about the influence of the frontier experience on American culture. Students may choose pass/fail grading in this class.

HIST 1240 4 cr. Modern European History to 1815

This course surveys the European historical period from the Renaissance to 1815. The emphasis is on political, economic, social, and cultural trends and developments. Students will learn about the late Middle Ages, Renaissance, Reformation and Counter-Reformation, French Revolution, and Napoleonic era, as well as the struggle for wealth and empire. Students will also become familiar with the Age of Discovery, the Age of Enlightenment, the age of religious wars, and scientific developments. MNTC: 2/5/8

HIST 1250 4 cr. Modern European History from 1815 to the Present

This course surveys the European historical period from 1815 to the present. The emphasis is on political, economic, social, and cultural trends and developments. Students will learn about the Industrial Revolution, ideological developments, revolutions, emergence of nation states, late nineteenth century imperialism, the background of World War I, World War I, revolution and peace after the war, the Great Depression, World War II and its aftermath, the Cold War and post-Cold War Europe. MNTC: 2/5/8

HIST 1340 4 cr. American History to 1865

Students will study the development of American political, social, and economic institutions and practices. This course surveys the period of American development from pre-Columbian America through the Civil War. Topics include colonization, the American Revolution, the early national period, the War of 1812, nationalism, and early American presidents and their respective policies. MNTC: 2/5/9

HIST 1350 4 cr. American History from 1865 to the Present

American History from 1865 to the Present examines the development of American political, social, and economic institutions and practices. Survey topics include reconstruction, industrialization, late nineteenth century politics, urbanization, America as a world power, World War I, the "Roaring Twenties," the Great Depression, World War II, the baby boom, Vietnam War, and late twentieth century socio-economic developments. MNTC: 2/5/9

HIST 1400 3 cr. History of World War II

This course surveys World War II, focusing on its origins, background, major military confrontations and events, conclusion of the conflict, and the advent of the Cold War. Included in the course is the study of the rise of the dictators; diplomacy in the 1930s and 1940s; the major land, air, and sea battles; the great leaders; the "Home Front" and the East-West divergence after 1945. MNTC: 2/5/8

HIST 1500 3 cr. Native American History

Native American History surveys the pre-Columbian period to the present, with an emphasis on Native Americans in the present-day United States, especially Minnesota. Topics include theories of Native American origin; Native American social and political systems; the positive and negative experiences between Native Americans and Europeans in present-day Mexico, United States, and Canada; reservation systems; and Native Americans in the twentieth century. MNTC: 2/5/8

HIST 1550 3 cr. History of Frontier America

The History of Frontier America is a survey course beginning with the trans-Appalachian West and proceeding to the trans-Mississippi West, from the pre-Columbian period to 1900. Topics include the physical features of the frontier, pre-Columbian Native American culture and history, the positive and negative experiences between Native Americans and Europeans, the role of women on the frontier, and hypotheses about the influence of the frontier on American culture. MNTC: 2/5/9

HIST 1600 3 cr. Vietnam War, 1950-1975

This course surveys the United States' involvement in Vietnam, including the French colonial era, the Diem regime, the United States' combat commitment, the "Home Front," the United States' withdrawal, the fall of South Vietnam and the reactions. MNTC: 2/5/8

HIST 1650 3 cr. 20th Century World History

Twentieth Century World History is a survey course with emphases on how the world was linked through the following developments: cultural, racial, and religious contacts and clashes; migration; industrialization; and imperialism. Topics include industrialization in Africa and Asia during the early to middle twentieth century, World War I and World War II, the Great Depression, the Cold War, and rapid urbanization and overpopulation during the late twentieth century. MNTC: 2/5/8

HIST 1700 3 cr. Ancient and Pre-Modern World History

This course surveys ancient, classical, and medieval civilizations from approximately 3500 B.C.E. to approximately 1450 C.E. Topics include Mesopotamian thought and religion; the evolution of Judaism, Christianity, and Islam; ancient Greek and Roman

governments; Asian empires and the spread of Buddhism; African kingdoms and empires; medieval feudalism and manorialism, and the geography and peoples of the Americas. MNTC: 2/5/8

HIST 2000 3 cr. Minnesota History

This course surveys the political, economic, and social growth of Minnesota from the period of pre-European-Native American contact to the present. Students will learn about physical features of Minnesota, Native Americans in Minnesota, the influx of Europeans into Minnesota, Minnesota's political boundaries, ethnic groups in Minnesota, and Minnesota economics and politics. MNTC: 2/5/9

HIST 2100 2 cr. 20th Century American History

Twentieth Century American History is a survey course of United States history. Topics include domestic and foreign policies, military conflicts, political and diplomatic developments, and socio-economic trends. MNTC: 2/5

HUMANITIES

HUM 1500 1 cr. Passport to Travel I

This course prepares students for international academic travel. Students will participate in an orientation to international travel, which includes how to prepare for an international trip, provides information about safe and healthy travel while abroad, and prepares the overseas traveler for re-entry after an international trip.

HUM 1600 1 cr. Passport to Travel II

This course gives an academic focus to a student's planned travel experience. Topics may include art, history, culture, geography, government, economy, or social mores of the area to be visited.

HUM 1700 1 cr. Educational Travel

This course consists of an educational travel experience of 8-21 days. Participants will immerse themselves in the culture of the area through sightseeing activities, cultural excursions and events, sporting and/or social events, as well as interacting with people native to the area while engaging in various hands-on learning opportunities. Participants will share in many aspects of everyday life in the area visited. The rigors of educational travel require participants to be in good health. Prerequisite or equivalent: For international travel, HUM 1500 and HUM 1600, and must be 18 years or older; for domestic travel, HUM 1600 and must be 18 years or older.

HUM 1800/ 1 cr. Travel for Academic Growth
1810 1 cr.

This course consists of an individually designed unit of study and a project related to a travel experience. Participants will construct a unit of study that relates to his or her travel plans. The project will be designed to complement and enhance the educational content of the travel. HUM 1810 is for those who plan additional travel and wish to repeat the course for credit. Prerequisite or equivalent: approval of instructor prior to the travel experience.

HUM 2010 2 cr. Individual Service Project

Students select individual service projects such as volunteering with people off campus in the community as teacher-aids, tutors, or volunteers for other non-profit agencies. Students attend an orientation conference, followed by individual conferences by appointment. Students keep journals of events related to their project. At the end of the course, students share their experiences at an oral seminar. Students also write a personal experience essay to be kept on file in the RRCC library. Prerequisite or equivalent: Cumulative GPA of 3.0 or greater.

INDIGENOUS STUDIES

INDG 1010 3 cr. Introduction to Indigenous Studies

This course is an overview designed to introduce the student to the diversity of North America's Indigenous people. Emphasis will be on comparing and contrasting the values, beliefs, histories, and cultures of Indigenous people to that of mainstream society. The course will give attention to the following three components: pre-contact, colonialism, and contemporary issues encountered by Native Americans. This course is recommended for any liberal arts and science student, as well as students going into education or social science fields. MNTC: 2/5

INDG 1070 3 cr. Indigenous People and the Environment

This course is designed to convey the Native American perspective on the environment and environmental issues. Through a series of guest lecturers and speakers, students will understand the interrelationships of human society and the natural environment. A comparison of Indigenous knowledge, theory, wisdom, and the conventional western scientific methodology will be conducted. MNTC: 2/5/10

INDG 1500 2 cr. Survey of Bilingual and Indian Education

This course is a survey of Indian education with emphasis on historical precedents leading to the present-day Indian education programs. Guest lecturers currently working in the field are invited to present in this class. Group dynamics are emphasized while students consider the changes in legislation covering Indian education in the United States and Canada. MNTC: 2/5

INDG 2010 3 cr. Indigenous People and the Federal Government

This course encompasses a study of the relationships among the federal governments of Canada and the United States and North American Indigenous people. Students will explore the treaty making process, government policies, land claims, sovereignty, treaty rights, and other related topics. MNTC: 2/5/9

INDG 2070 3 cr. Anishinaabe Philosophy

The purpose of this course is to provide knowledge and understanding of the Anishinaabe perception of worldview, dream reality, imagery, and symbols. Students will investigate the relevance of Anishinaabe philosophy in contemporary matters. Students are also expected to compare and contrast world philosophies to that of the Anishinaabe philosophy. MNTC: 2/6B

INDG 2500 3 cr. Contemporary Issues of Indigenous People

This course offers the student an in-depth study of contemporary issues affecting Indigenous people. Explored topics include loss of language, racism, education, identity, urbanization, and other related issues. An investigation of current legislation and government programs affecting tribal governments will also be a significant element of this course. MNTC: 2/5/8

INDUSTRIAL TECHNOLOGY

INDT 1100 2 cr. Orientation to Industry

This course will provide an overview of general industry and industrial practices. It will introduce students to various working environments within industry. Workers' rights and responsibilities in an industrial environment will be identified.

INDT 1200 3 cr. Industrial Safety

This course will cover the introduction to safety in business and industry. It will familiarize students with terminology as well as the economics, social, environmental, ethical, and regulatory pressures of today. An overview of physical safety; production; and chemical, biological, and mechanical hazards will be covered.

INDT 1300 4 cr. Introduction to Shop Practices

This course will introduce students to simple machines - how they operate, and how they are used in combination to become compound machines that are used in industry. The student will also learn the math and measuring skills required when dealing with the elements of mechanics and learn some of the equipment repair procedures found in industry.

INDT 1400 3 cr. Introduction to Industrial Maintenance

This course will introduce students to the field of industrial maintenance. The course will provide a foundation upon which courses in year two of the Industrial Technology program will be built. Students will learn the fundamentals of bearings, lubrication, machine safety, and rigging. Students will be exposed to mechanical devices such as measuring tools, common hand tools, common power tools, and the fundamentals of pumps and valves. Students will demonstrate maintenance principles prior to the specialized training received after graduation.

INDT 1500 2 cr. Pneumatic and Hydraulic Systems I

This course provides "hands-on" learning with an actual working hydraulic system. The main purpose of this course is to learn how to recognize the elements of a hydraulic system and how to blend knowledge of the individual components into a comprehensive knowledge of the entire system. Students will also learn how to troubleshoot the system.

INDT 1605 3 cr. Introduction to Rigging, Crane Operations, and Rolling Stock

This course introduces students to crane rigging equipment and procedures in addition to instructing them in mobile crane operation. Estimation skills and proper hand signals are taught.

INDT 2105 2 cr. Material Transfer and Conveyance Systems

Students will be introduced to actual material transfer and conveyance systems utilized in industry. Students will learn to identify and categorize a variety of transfer and conveyance systems with their respective maintenance and utilization issues.

INDT 2205 2 cr. Basic Blueprint Reading and Measurement Practices

Students will learn the basic purposes, techniques, and terminology associated with various blueprints, sketches, ANSI standards, and other symbolic communication tools commonly employed in industry. They will be introduced to the skills related to creating working drawings, isometric drawings, three-view sketches, and allied math and measuring techniques.

INDT 2300 3 cr. Pump Maintenance

This course will prepare the student to identify various types of pumps and to understand their operation and maintenance. It also prepares the student to maintain the packing, sealing, and lubrication elements of a variety of pumps used throughout industry.

INDT 2400 2 cr. Lubrication and Bearings

The main purpose of this course is to introduce the student to both lubrication and bearings. The lubrication portion will help the student understand lubrication from the initial sources up to uses in various systems. The bearing portion will help the

student to identify almost any type of bearing or seal and to know what functions they can expect from them as well as proper mounting, operation, and inspection in a variety of industries.

INDT 2500 2 cr. Pneumatic and Hydraulic Systems II

This course provides students the hands-on experience needed to maintain actual hydraulic systems. Students will learn how to identify the components of and maintain operational hydraulic systems in the field.

INDT 2600 2 cr. Drive Components and Troubleshooting

The main purpose of this course is to introduce the student to drive components and associated equipment operation. The student will learn the necessity of checking equipment before, during, and after operating. The student will also learn about the set-up and maintenance of a variety of drive components used throughout industry.

MANAGEMENT

MNGT 2010 3 cr. Principles of Management

This course is designed as an introduction to management principles and practices as they apply to public and private organizations. Topics include methods and dynamics used by managers, leadership styles, management effectiveness, and the basics of decision-making. Other areas of study include ethics and social responsibility, goal setting, innovation, motivation and communication. There are four themes woven throughout the course: managing diversity, managing change and innovation, global perspectives, and valuing quality.

MARKETING

MKTG 1100 3 cr. Principles of Marketing

This course is designed as an introduction to marketing principles and practices as they apply to public and private organizations. Topics include marketing perspectives and strategies, communication, consumer behavior, pricing concepts, ethics, and global concerns.

MASS COMMUNICATIONS

MCOM 1000 3 cr. Introduction to Mass Communications

A course covering the impact of the mass media on world societies and cultures as well as in the United States. Perspectives of the media include history, development of media systems, mediums of mass communications, media theories and models, and the process of communications.

MCOM 1010 2 cr. Journalism: Newspaper Reporting I

Newspaper Reporting I is an introductory course designed to teach students the basic elements of newspaper writing, the various writing styles of newspaper content, the history of newspapers, and the development and maintenance of a community newspaper.

MCOM 1015 1 cr. Newspaper Staff*

This activity course involves the reporting and layout of the college newspaper. The activities include general reporting, feature writing, sports reporting, and picture taking.

MCOM 1110 3 cr. Introduction to Audio Art with Internet Technologies

Recording, editing, and distributing audio art such as audio drama and spoken word audio is more accessible and dynamic than ever before. In this course, students will learn how to write, record, edit and produce their own stories in the world of sound, then use podcasting, online radio and mp3 download formats to share their work with a global audience. This is a basic recording and distribution course designed for students with little or no experience "behind the mic", and for experienced individuals eager to improve their skills.

MATHEMATICS

MATH 0925 5 cr. Pre-algebra

Topics in pre-algebra include integers, variables, simple equations, exponents, polynomials, operations with rational numbers, percent equations, graphing linear equations, and applied problem solving. Prerequisite or equivalent: appropriate placement determined by computerized placement assessment.

MATH 0955 5 cr. Elementary Algebra

Topics in Elementary Algebra include real numbers, linear equations and inequalities in one variable, linear equations and inequalities in two variables, graphing, exponents and polynomials, factoring, and applied problem solving. Prerequisite or equivalent: "C" or better in MATH 0925 or appropriate placement determined by computerized placement assessment.

MATH 1002 2 cr. Technical Math with Applications

Topics in Technical Math with Applications include Whole Numbers, Common Fractions, Decimal Fractions, Ratio and Proportion, Powers and Roots, Understanding Calculators, Geometry, Algebra, Using Formulas, Trigonometry, and applied problem solving related to the technical field.

MATH 1005 4 cr. Beginning College Algebra

Students will review algebra concepts to prepare them for College algebra. Topics in Beginning College Algebra include basic concepts, equations and inequalities, the rectangular coordinate system and graphs of equations, functions, roots and radicals, quadratic equations, and inequalities. Prerequisite or equivalent: "C" or better in MATH 0950 or appropriate placement determined by computerized placement assessment.

MATH 1010 3 cr. Principles of Mathematics I

This course is designed to fulfill the needs of prospective elementary education majors or those who require a general course in mathematics. Topics include sets, logic, methods of numeration, finite mathematical systems, systems of counting numbers, whole numbers, integers, rational numbers, real numbers, and an introduction to algebra.

MATH 1013 3 cr. Principles of Mathematics II

This is a second mathematics course providing the background for teaching in the elementary school. Topics include probability, statistics, percents, ratio and proportion, solutions of linear equations, geometric shape, measurement, triangle congruence and similarity, coordinate geometry, and transformational geometry. Prerequisite or equivalent: MATH 1010.

MATH 1070 1 cr. TI-92 Graphing Calculator

This course is a "hands-on" class that focuses on teaching students how to use the TI-92 hand-held symbolic algebra computer to enhance classroom learning, from algebra through calculus. Applications, problem solving, group learning, and implementation will be important parts of this course.

MATH 1120 3 cr. Business Mathematics

This course offers students the opportunity to experience problem-solving situations relevant to running both small home businesses and large businesses. Students will master these skill areas: payroll, buying and selling discounts, markups based on cost or selling price, depreciation, borrowing money and choosing cheapest or best bargain, and buying insurance with co-insurance clause for companies.

MATH 1140 3 cr. College Algebra

In this course, students receive a basic understanding of algebraic manipulations. Students gain an understanding of the real number system, exponents and radicals, algebraic expressions, the Binomial Theorem, equations and inequalities, functions and graphs, polynomial functions, rational functions, conic sections, and exponential and logarithmic functions. Systems of equations and inequalities are also discussed. Prerequisite or equivalent: MATH 1005 or appropriate placement determined by computerized placement assessment. MNTC: 2/4

MATH 1170 5 cr. Pre-Calculus

Pre-calculus is the study of algebraic, logarithmic, and exponential and trigonometric functions. Topics covered in this course include linear, quadratic and higher degree equations and inequalities; systems of equations; trigonometric equations; and the study of graphs in each area. Students will also concentrate on the use of algebra and trigonometry in problem solving. Prerequisite or equivalent: MATH 1140 or appropriate placement determined by computerized placement assessment. MNTC: 2/4

MATH 1200 4 cr. Liberal Arts Mathematics

Liberal Arts Math is a comprehensive mathematics course for non-science majors. The course consists of a variety of topics including problem solving strategies, logic, number theory and mathematical systems, algebra, functions and graphs, geometry, and probability and statistics. Prerequisite or equivalent: MATH 0950 or appropriate placement determined by computerized placement assessment. MNTC: 2/4

MATH 2100 3 cr. Probability and Statistics

This course is an introduction to sampling distributions and the laws of probability. Students will study topics such as frequency distributions, measures of central tendency, mathematical expectations and random variables. Students also learn how to use these theories to predict future occurrences. Prerequisite or equivalent: MATH 1140 or instructor discretion. MNTC: 2/4

MATH 2150 4 cr. Discrete Mathematics

Discrete mathematics is a developing subject and through this course, students are given a view of its future. Students learn about the following essential discrete mathematical topics: induction and recursion, combinatorics, graph theory, trees, networks, relations and functions, and proofs and logic. Co-requisite: MATH 2220. MNTC: 2/4

MATH 2220 5 cr. Calculus I

This is the first course in a three-semester calculus sequence. Students will review functions and their graphs, and will learn about limits, differentiation, and integration of algebraic and trigonometric functions. Students will also learn applications of differentiation and integration. Prerequisite or equivalent: MATH 1170 or appropriate placement determined by computerized placement assessment. MNTC: 2/4

MATH 2230 5 cr. Calculus II

In this course, students will learn about differentiation and integration of transcendental functions, more techniques and applications of integration, infinite sequences and series, parametric equations, polar coordinates, and vectors. Prerequisite or equivalent: MATH 2220. MNTC: 2/4

MATH 2240 4 cr. Calculus III

In the final course of the calculus sequence, students will learn about vector-valued functions, multivariable functions and partial derivatives, multiple integration, and vector analysis including Green's and Stokes's theorems. Prerequisite or equivalent: MATH 2230. MNTC: 2/4

MATH 2280 4 cr. Differential Equations with Linear Algebra

Topics in Linear Algebra will include vectors, matrix algebra, and Eigen values. Topics in Differential Equations will include linear differential equations and systems of linear differential equations, phase space, qualitative analysis of nonlinear systems, and Laplace transforms. Prerequisite or equivalent: MATH 2230. MNTC: 2/4

MUSIC

MUSC 1050 1 cr. Beginning Guitar

This course covers an introduction to the acoustic guitar and the music written for this instrument. MNTC: 2/6A

MUSC 1060 1 cr. Introduction to Musical Instruments

Individual lessons on most band and orchestral instruments from beginner through intermediate level. Lessons are one hour weekly. MNTC: 2/6A

MUSC 1150 1 cr. Instrumental Ensemble

This course will provide students with knowledge of music through the direct application of their skills. Students will participate as members of an instrumental group at a variety of college activities, such as athletic competitions and academic ceremonies.

MUSC 1200 3 cr. Fundamentals of Music

A general course in music including basic theory, singing, piano keyboard, and recorder. This course is for any liberal arts and science student and is a required course for many elementary education majors. MNTC: 2/6A

MUSC 1220 3 cr. Introduction to Music

This basic course combines music fundamentals, listening skills, and a review of music history. Emphasis is on identification of vocal and instrumental musical groups and styles, aural recognition of the various periods of music, and knowledge of the lives and compositions of selected performers and composers. The historical perspective covers ancient music through the 20th Century. MNTC: 2/6B

MUSC 2010 1 cr. String Orchestra

Students meeting the background and audition requirements play in a string orchestra with up to four recitals. All stringed orchestral instruments are utilized. The repertoire covers a broad spectrum of orchestral literature from medium to difficult. This class is not for beginners. MNTC: 2/6A

MUSC 2020 2 cr. Intermediate Full Orchestra

Students meeting the audition requirements play in a full orchestra with up to four recitals. All standard orchestral instruments are utilized; however, not all instruments are required each semester. The repertoire covers a broad spectrum of orchestral literature from medium to difficult – this class is not for beginners. MNTC: 2/6A

NATURAL SCIENCE

NSCI 1000 2 cr. Birds of the Boreal Forest

Students in this course will learn to identify, by sight and sound, the birds of Voyageurs National Park while exploring the variety of plant communities found within the park. Emphasis will also be given to the study of avian ecology, life histories, and environmental issues concerning birds, both locally and globally. Hours per week: Lecture-3.

NSCI 1040 4 cr. Introduction to Ecology

Ecology is the study of the relationships between organisms and the environment. In this course, students will be introduced to the major themes of ecology, which include energy and nutrient cycling, distribution of organisms in the environment, population dynamics, interactions within and among species, communities, and ecosystems. Special focus will be on the aquatic and terrestrial plant and animal communities and geological features of the Rainy River Basin and Voyageurs National Park. Hours per week: Lecture-3; Lab-2. MNTC: 2/3/10

NSCI 1050 4 cr. Chemical Science

This class will serve as a survey course for nonmajors as well as a preparatory course for those wanting to go on to CHEM 1090. The preparatory part of the course covers the basic principles of inorganic and organic chemistry with an emphasis on the structure of the atom, elements and compounds, solution chemistry, stoichiometry, and the mathematical relationships found

in chemical problem solving. The survey part of the course deals with everyday topics such as air and water pollution, food additives, drugs, plastics, the environment, and some biochemical topics. The course consists of 3 credits of lecture and 1 credit of laboratory and meets a total of five hours a week. A chemistry background is not required in order to take this course. Hours per week: Lecture-3; Lab-2. MNTC: 2/3/10

NSCI 1055 3 cr. Chemical Science

This course will serve as an introductory course for non-majors with an environmental emphasis. The introductory part of the course covers the basic principles of inorganic and organic chemistry with an emphasis on the structure of the atom, elements and compounds, solution chemistry, stoichiometry, and the mathematical relationships found in chemical problem solving. The environmental component of the course deals with topical issues such as global warming, ozone depletion, water quality, and energy sustainability. The course does not have a scheduled lab component, but activities and simulations similar to labs will be required. A chemistry background is not required in order to take this course. Hours per week: Lecture-3. MNTC: 2/3/10

NSCI 1065 3 cr. Introduction to Physical Science

This is a non-mathematical introduction to the principles of physical science. Topics include methods of scientific discovery, description of force and motion, energy, heat and thermodynamics, electricity and magnetism, and wave phenomena including sound and light. The course does not have a scheduled lab component, but students will complete activities and simulations similar to labs throughout the course. Hours per week: Lecture-3. MNTC: 2/3

NSCI 1080 4 cr. Introduction to Biological Science

This is an introductory level course. Students will explore basic theories and concepts important to biological science. Students will also apply these concepts to current issues related to biology. This course consists of three hours of lecture and two hours of laboratory each week. Hours per week: Lecture-3; Lab-2. MNTC: 2/3

NSCI 1085 3 cr. Introduction to Biology

This is an introductory level course in which students will explore basic theories and concepts important to biological science. Students will apply these concepts to current issues related to biology, including genetics, cloning and stem cells, evolution, cancer, emerging diseases, endangered species, and conservation biology. This course does not have a scheduled lab, but activities and simulations similar to labs will be completed during the semester. Hours per week: Lecture-3. MNTC: 2/3/10

NSCI 1110 4 cr. Environmental Science

In Environmental Science, students will be introduced to the fundamentals of environmental science by exploring basic ecological principles, human population, energy and natural resources, major environmental concerns, and environmental sustainability. The laboratory component of the course will engage students in the scientific method and introduce them to a variety of techniques to measure and assess their own use of natural resources, monitor and assess environmental impact, and investigate local environmental issues. Field trips and laboratory sessions are required. Hours per week: Lecture-3; Lab-2. MNTC: 2/3/10

NSCI 1130 4 cr. Introduction to Field Ecology

This course introduces students to the basic principles of ecology utilizing field study of aquatic and terrestrial components of Voyageurs National Park. National Park Service resources managers and researchers take students into the park to demonstrate how field ecology principles are used in managing the park's natural resources. Extended field trips into the park require hiking, canoeing, and boating. Hours per week: Lecture-3; Lab-2. MNTC: 2/3/10

NSCI 1140 4 cr. Forensic Science

Forensic Science is the application of basic principles and laboratory methods in chemistry, biology, and physics, to solving problems related to criminal justice and civil issues. This course emphasizes the scientific basis behind forensic applications such as identification of unknown substances, blood type and DNA comparisons, analysis of trace evidence (hair and fiber samples, biological tissues and fluids), environmental forensics (entomology, microbes, soil, tracing pollutants to a source), as well as crime scene analysis and proper collection of evidence. Hours per week: Lecture-3; Lab-2. MNTC: 2/3/10

NSCI 1310 4 cr. Physical Geology

Physical geology is an introduction to the basic processes that influence the Earth's crust. Topics covered include plate tectonics, rocks and minerals, glacial systems, volcanism, earthquakes, geologic landscapes and the dynamic processes that produce those landscapes. The geology of northern Minnesota and northwestern Ontario will be stressed in the laboratory and field portions of the course. One extended and several local field trips are conducted. Field sessions will be arranged with the class. Hours per week: Lecture-3; Lab-2. MNTC: 2/3

NSCI 1340 2 cr. Backyard Astronomy

This course is for those interested in astronomical observation and current astronomical theories. Class time is spent in learning to use star maps and the college observatory to locate and observe astronomical objects, and in discussing current astronomical news and techniques. Students will have an opportunity to assist the public or local area schools in astronomy projects or observing sessions with the College observatory. This course does not satisfy the science requirement for the associate degree.

NSCI 1365 3 cr. Introduction to Astronomy

This is a non-mathematical, introductory level course in the principles of Astronomy. The course is designed for liberal arts majors and presents an introduction to scientific methods and reasoning, archeological evidence for and cultural aspects of star-gazing from ancient times to the present, a general description of the night sky and seasonal variations in the night sky, the structure of the solar system, and life cycles of the stars. This course does not have a lab component, but activities similar to labs, as well as field trips, will be incorporated. MNTC: 2/3

NURSING

NSG 1000 3 cr. Nursing Assistant

This course is the study of basic nursing skills, including health and basic human needs, the health care system, common patient care equipment, healthful environments, medical asepsis, body mechanics, personal care, nutrition/feeding, elimination, communication and principles related to long-term care. This course is intended to prepare students for practice at the Nursing Assistant level and to serve as an introduction to the nursing sequence. The curriculum meets state and federal requirements and is approved by the Minnesota Department of Health. Successful completion of this course prepares the participant to take the state-approved competency evaluation and seek employment in a variety of health care settings.

NSG 1010 4 cr. Nursing Assistant/Home Health Aide

This course is the study of basic nursing skills, including health and basic human needs, the health care system, common patient care equipment, healthful environments, medical asepsis, body mechanics, personal care, nutrition/feeding, elimination, communication, and principles related to home care/long term care. This course is intended to prepare students for practice at the Nursing Assistant and Home Health Aide level and serve as an introduction to the nursing sequence. The curriculum meets State and Federal requirements and is approved by the Minnesota Department of Health. Successful completion of this course prepares the participant to take the state approved competency evaluation and seek employment in a variety of health care settings.

NSG 1011 1 cr. Home Health Aide

This course is the study of basic nursing skills, including health and basic human needs, the health care system, common patient care equipment, healthful environments, medical asepsis, body mechanics, personal care, nutrition, elimination, communication, and principles related to home care. This course is intended to prepare the student to work as a Home health Aide. The fifteen-hour curriculum meets state and federal requirements, and is approved by the Minnesota Department of Health. Successful completion of this course prepares the participant to take the state approved competency exam for the Home Health Aide.

NSG 1450 4 cr. The Art and Science of Nursing

This course provides a foundation in the concepts and skills of nursing and an introduction to the nursing process. The course includes both theory and laboratory components. Prerequisite or equivalent: NSG 1000.

NSG 1550 5 cr. Medication Administration

Medication Administration is a course that combines both classroom theory and clinical experience. The theory portion of the course introduces students to the legal and ethical responsibilities of medication administration, dosage calculation, and drug classification. The clinical portion of the course provides students with the opportunity to care for patients in a variety of clinical settings and with all age groups. Students will use the nursing process and engage in problem solving as a member of a health care team. Prerequisite or equivalent: NSG 1000.

NSG 1600 2 cr. Psychosocial Nursing

This is an introductory course to assist the student to interact therapeutically and to make observations pertinent to the psychosocial aspects common to everyday life. The knowledge base for nursing actions includes fundamental understanding of general principles of therapeutic communication, common responses to stress, the grief process, and crisis response. Also included is an overview of common mental health disorders, symptoms, treatments, and expected outcomes. Prerequisite or equivalent: NSG 1000.

NSG 1700 2 cr. Maternal and Child Nursing

Students in this course explore nursing as it relates to human sexuality. Unit themes include pregnancy, labor, delivery, postpartum care, and neonatal care. Common physiological disturbances of the newborn are studied. Pharmacological and nutritional implications, and psychosocial care are also included. Prerequisite or equivalent: NSG 1000.

NSG 1750 3 cr. Skills Development

This clinical nursing course offers experience whereby students are caring for the ill or infirmed in an acute, chronic care, or community setting. Medical administration, nursing care, and multi-ability management are refined under the supervision of an instructor. Utilization of the nursing process as a method of problem solving is emphasized. Prerequisite or equivalent: NSG 1550.

NSG 1810 4 cr. Medical/Surgical Nursing I

Medical/Surgical Nursing I is a theory course in which students will gain an understanding of conditions that affect the reproductive, nervous, cardiovascular, respiratory, and gastrointestinal systems. Infectious diseases and oncology are also

included. Students will study disease definition, pathology, diagnostics, pharmacology, nutrition, nursing care, rehabilitation, and the psychosocial care of patients of all ages. Prerequisite or equivalent: NSG 1000.

NSG 1820 5 cr. Medical/Surgical Nursing II

Medical/Surgical Nursing II is a theory course in which students will gain an understanding of conditions that affect the musculoskeletal, endocrine, and renal systems. Infectious diseases and oncology are also included. Students will study disease definition, pathology, diagnostics, pharmacology, nutrition, nursing care, rehabilitation, and the psychosocial care of patients of all ages. Prerequisite or equivalent: NSG 1000.

NSG 1900 2 cr. Nursing Trends

This course covers practical nursing licensure, the role of the Board of Nursing, the Nurse Practice Act, the Itasca Nursing Education Consortium (INEC) as well as laws, trends, and issues within the health care delivery system. Issues of cultural diversity are emphasized. Review for National Council Licensure Examination (NCLEX) is also incorporated. Prerequisite or equivalent: NSG 1000.

PHILOSOPHY

PHIL 1010 2 cr. Death, Dying, and Grief

From a philosophical, historical, and cultural setting, this course is designed to help a person come to terms with the reality of death. Topics covered include the stages of dying, grief, social and religious dynamics of death, significance of funerals, and death and the law. MNTC: 2/6B

PHIL 1020 3 cr. Foundations of Philosophy

This survey course in classical and modern philosophical thinking from Western civilization, studies some ways in which human questions about reality, religious traditions, and knowledge have been considered. The course offers topical backgrounds of philosophy while providing the tools to make reasonable, rational, and logical assessments of issues. MNTC: 2/6B/9

PHIL 1050 3 cr. Introduction to Ethics

Focusing on the general area of social ethics, the course is a survey of historical and contemporary materials, concepts, ideas and methods that inform and shape the way people make choices concerning problems and issues of society and act upon them. MNTC: 2/6B/9

PHIL 1060 3 cr. Exploring the World's Religions

This course is an intellectual and comparative journey through the world's living religions: from the oral religions of natives across the globe, to India: Hinduism, Buddhism, Jainism, Sikhism; to China and Japan: Taoism, Confucianism, Shinto; to the Mediterranean: Judaism, Christianity, Islam; to modern alternative religions, including cults and sects; and to a final consideration of the future of religion. MNTC: 2/6B/8

PHIL 1070 3 cr. Exploring Spirituality

Students will examine spiritual traditions, including eastern, western, and Native American practices. Through reading, journaling, and experimenting with spiritual practices, students will seek to discover more about themselves, a deeper understanding of reality and life, the oneness of all things, and a spiritual path that takes concrete expression in one's daily life. MNTC: 2/6B/8

PHYSICAL EDUCATION

PHED 1010/ 1 cr. Beginning Yoga
1020 1 cr.

This course is an introduction to yoga and will focus on basic yoga postures, proper alignment and breathing techniques and will include an overview of yogic philosophy and the mind-body connection. The course will progress from introductory poses to flow classes and cover basic standing, seated and floor postures, breathing techniques, twists, relaxation and meditation. This class offers effective relaxation techniques while building balance, flexibility and strength. The class will help students develop a home practice and/or proceed safely and intelligently toward more advanced levels of study.

PHED 1030 1 cr. Bowling

This course will introduce students to the basic skills and fundamental techniques of bowling. Selection and care of equipment, etiquette, safety, instruction, and practice at the bowling alley will be included.

PHED 1040 1 cr. Introduction to Cross-Country Skiing

This course is an introduction to the fundamentals and basic techniques of cross-country skiing. Topics include traditional and skating methods, equipment selection, winter safety, waxing, and flatland, uphill and downhill techniques. Students will make one full day outing during the course.

PHED 1050 1 cr. Shotokan Karate

This course is an introduction to basic karate forms and techniques. Students will learn various kicks, blocks, punches and forms associated with traditional Shotokan Karate. The course will be physically demanding. Emphasis is on disciplined movement demonstrated in focus and timing. This course is not taught as a sport or specifically for self-defense.

PHED 1060 1 cr. Racket Sports

Racket Sports is an introduction to the rules and fundamentals of various racket sports like badminton, racquetball and tennis. Students will become familiar with the basic skills, rules and strategies of various racket sports. This course allows students to improve their basic skills in these sports.

PHED 1100 1 cr. Golf

This course is an introduction to the basic skills and fundamentals of golf. Selection and care of equipment, rules of the game, etiquette, instruction, and practice will be included.

PHED 1120 1 cr. Hunting

This course covers Minnesota and Ontario game laws in addition to deer, moose, and small game hunting techniques and safety.

PHED 1140 1 cr. Angling

This course covers Minnesota and Ontario fishing regulations and techniques. The focus is on developing angling and teaching skills.

PHED 1160 1 cr. Fly-Fishing

This course focuses on fly-fishing techniques and teaching skills, emphasizing stream fishing for trout.

PHED 1180 1 cr. Archery

This course is designed for the beginning archer. This course will introduce students to the basic skills and fundamentals of archery. Selection and care of equipment, etiquette, safety, instruction, and target practice will be included.

PHED 1190 1 cr. Weight Training

This course is an introduction to the principles of weight training. Students gain a basic understanding of procedures, safety and equipment used in developing an individualized structured weight program for strength and development.

PHED 1200 1 cr. Fitness and Conditioning

This course will introduce students to the basics of fitness and conditioning. Major components include agility, speed training, flexibility, plyometrics, aerobic training, and core strength development.

PHED 1210 2 cr. Exercise Testing

This course is an introduction to basic physical fitness assessment. Exercise prescriptions for both healthy and special populations will be discussed.

PHED 1220 1 cr. Softball

This course is an introduction to the rules and fundamentals of softball. Students will become familiar with the basic skills, rules, and strategies of the sport.

PHED 1230 1 cr. Volleyball

Volleyball is designed for the beginning player. Emphasis will be placed on developing the skills of passing, setting, serving, and spiking as well as team concepts and rules. Students will participate in game situations.

PHED 1240 2 cr. Camping

This course is designed to familiarize students with basic camping techniques. Safety, equipment, food, minimum impact camping techniques, and trip planning will be covered. During the course students will make one weekend outing.

PHED 1260 2 cr. Winter Camping

This course is designed to familiarize students with winter camping techniques. Safety, equipment, food, minimum impact camping techniques, and trip planning will be covered. During the course students will make one weekend outing.

PHED 1270 1 cr. Intermediate Volleyball

This course is designed for the intermediate volleyball player. Emphasis will be placed on improving basic skills and learning advanced skills. Team offenses and defenses will be studied. Team concepts and strategies will be reviewed. Prerequisite or equivalent: PHED 1230 Volleyball or participation in high school varsity volleyball.

PHED 1280 1 cr. Basketball Fundamentals

Basketball Fundamentals is designed for the beginning player. Emphasis will be placed on developing the skills of dribbling, passing, and shooting as well as team concepts and rules. Students will participate in game situations.

PHED 1290 2 cr. Sports Physiology
Sports Physiology will introduce students to issues that relate to training, conditioning, and participation in sports. Many aspects of fitness and its relationship to health and performance will be discussed.

PHED 1300 3 cr. Anatomy for Sports
Anatomy for Sports is an introduction to human anatomy. An emphasis will be placed on the musculoskeletal system and an understanding of its relationship to human movement.

PHED 1340/ 1 cr. Aerobics
1350 1 cr.
This course is an aerobic fitness course designed to improve cardiovascular endurance, muscular strength, muscle tone and flexibility through movement exploration and dance activities.

PHED 1380 1 cr. Introduction to Canoeing
This course is an introduction to the basics of canoeing. Topics include basic strokes, water safety techniques, tandem and solo paddling, launching and entering, as well as reading several canoe essays. Students will make one full day outing during the course.

PHED 1500/ 1 cr. Varsity Basketball*
2500 1 cr.
Co-curricular credit is earned in this course for participation in varsity basketball. This activity course prepares a group of students for team competition by shaping individual skills into a cohesive unit. Permission of the coach is required prior to registration.

PHED 1530/ 1 cr. Varsity Volleyball*
2530 1 cr.
Co-curricular credit is earned in this course for participation in varsity volleyball. This activity course prepares a group of students for team competition by shaping individual skills into a cohesive unit. Permission of the coach is required prior to registration.

PHED 1550/ 1 cr. Varsity Softball*
2550 1 cr.
Co-curricular credit is earned in this course for participation in varsity softball. This activity course prepares a group of students for team competition by shaping individual skills into a cohesive unit. Permission of the coach is required prior to registration.

PHED 1570/ 1 cr. Varsity Baseball*
2570
Varsity Baseball prepares a group of students for team competition by shaping individual skills into a cohesive unit.

PHED 1600/ 1 cr. Aerobic Circuit Training
1610 1 cr.
This course introduces students to the principles and benefits of exercise programs designed to develop endurance, strength and flexibility. Students rotate from one exercise station to another, alternating between aerobic and strength-training equipment.

PHED 1700 .5 cr. Fit for Life
This is a fitness course for adults consisting of activities to develop strength, flexibility and cardiovascular endurance.

PHED 1720/ 1 cr. Step Aerobics
1730 1 cr.
Step Aerobics is a high-intensity activity used to promote cardiovascular fitness with low-impact safety measures. This course includes warm-up, aerobic stepping to music, isolation work and slow stretches to increase flexibility. Students will do the natural stepping technique to advance their own fitness level.

PHED 1900 2 cr. Introduction to Physical Education
This course will introduce students to the field of physical education. Program development, objectives, values, issues, qualifications, and opportunities will be discussed.

PHED 1910 1 cr. Introduction to Coaching
Introduction to Coaching is a general overview of coaching with an emphasis on teaching appropriate techniques and skills, as well as practice and game organization.

PHED 2010 1 cr. Intermediate Yoga
2020 1 cr.

This course offers a continuation of yoga study to those with experience with yoga. The classes will include basic yoga postures and will progress to level II techniques. Classes will feature advanced pranayama (breath) practices, sitting, standing, balancing, twisting, and strengthening postures as well as back bends, inversions, and bhandas (locks). Each class will include meditation and relaxation and an integration of yogic philosophy. The class will support the intermediate student as he or she explore more advanced levels of yoga study.

PHED 2100 2 cr. Prevention and Care of Athletic Injuries

This introductory course covers the study of preventative techniques of injuries that occur during recreational activities and athletic contests. Students will acquire practical experience in the care of athletic injuries, including athletic taping. Additional topics include supplies and equipment used in the care of athletic injuries and new techniques involved in athletic training. This course is a preparatory course and does not include any athletic training or coaching certification.

PHED 2600 1 cr. Basketball Officiating

This course is an introduction to the rules and mechanics of basketball officiating. This course will help prepare class members for officiating intramural, junior varsity, or varsity basketball competition. Lecture, lab, and AV materials combined with actual on-the-court training will assist aspiring officials in acquiring the necessary skills to become qualified officials. This course will also prepare students to take a certification test sanctioned by the Minnesota State High School League (MSHSL) should they choose to become certified.

PHED 2610 1 cr. Baseball/Softball Officiating

Baseball/Softball officiating is an introduction to the rules and mechanics of baseball/softball officiating to help prepare class members for officiating intramural, junior varsity, or varsity baseball/softball competition. Lecture, lab, and AV materials combined with actual on-the-field training will assist students in acquiring the skills to become qualified officials. This course will also prepare students to take a certification test sanctioned by the Minnesota State High School League (MSHSL) should they choose to become certified.

PHYSICS

PHYS 1100 4 cr. Principles of Physics I

This is the first in a full-year sequence in introductory physics. The first semester covers the description of motion, the causes of motion, gravitation, and work and energy. The course includes a laboratory where students learn about the process of scientific discovery, measurement techniques, data analysis techniques, and experimental design. Hours per week: Lecture-3; Lab-2. Prerequisite or equivalent: high school algebra. MNTC: 2/3

PHYS 1200 4 cr. Principles of Physics II

This is the second in a full-year sequence course in introductory physics. Topics covered include electricity and magnetism, waves, and optics. The course includes a laboratory where students will design experiments and analyze and infer from experimental data. Hours per week: Lecture-3; Lab-2. Prerequisite or equivalent: PHYS 1100. MNTC: 2/3

PHYS 2100 4 cr. General Physics I

This is the first in a full-year sequence in general physics using calculus. The first semester covers topics in mechanics including descriptions of motion and Newton's Laws of motion. In the laboratory portion of the course, students will learn measurement techniques and basic uncertainty analysis as well as experimental design. This course is for any qualified liberal arts and sciences students, and the PHYS 2100-2200 sequence should be completed by students interested in physical science and engineering. Hours per week: Lecture-3; Lab-2. Pre-requisite: MATH 2220. MNTC: 2/3

PHYS 2200 4 cr. General Physics II

This is the second in a full-year sequence in general physics using calculus. Topics covered include electricity and magnetism and optics. The course is accompanied by a laboratory in which students will learn experimental design and will carry out a minor research project. Hours per week: Lecture-3; Lab-2. Prerequisite or equivalent: PHYS 2100 and MATH 2230. MNTC: 2/3

POLITICAL SCIENCE

PSCI 1310 3 cr. American Government and Politics

This course is designed to supply students with an overview of American government and politics. The topics include American federalism, constitutionalism, civil rights, public opinion and interest groups, political campaigns, voting behavior and elections, the executive branch, Congress, and the federal judicial system. MNTC: 2/5/9

PSCI 1350 3 cr. State and Local Government

This course is a study of the basic functions, structure, procedures and problems of American state and local government, with emphasis on intergovernmental relations. Topics include state constitutions, governors, financing state governments, and state legislatures. Special emphasis will be given to Minnesota government and politics. MNTC: 2/5/9

PSCI 2000 3 cr. International Relations

This course presents a survey of the various theories explaining the behavior of nation-states; the network of economic, political, cultural, and technological interdependence; power; diplomacy; intelligence; war; and the arms race. MNTC: 2/5/8

PSYCHOLOGY

PSYC 1000 2 cr. Psychology Applied to Modern Life

Psychological principles and their impact on lives will be studied in this course. Exploration of the contributions of psychology in areas such as stress management, academic and vocational adjustment, marriage and intimate relationships, behavior disorders, developing a positive self-concept, and improving one's psychological health will also be covered.

PSYC 1010 4 cr. General Psychology

This course introduces students to the study of human behavior of living organisms, with emphasis on human beings. Students develop an understanding of general psychology and the terminology associated with the discipline. Topics include the biological roots of behaviors, operant and classical conditioning, memory, motivation, emotions, stress and health, personality, psychological disorders, therapy, social psychology and social diversity. MNTC: 2/5/9

PSYC 2000 3 cr. Research Methods in the Social Sciences

This cross-disciplinary course focuses on the major research methods used by social scientists. It will introduce students to the philosophy of science, principles of research design, modes of observation, the analysis of data, and ethical issues surrounding social research. Cross-listed with SOC 2000. MNTC: 2/5/9

PSYC 2020 3 cr. Social Psychology

This cross-disciplinary course examines how situational variables influence people's thoughts, feelings, and behavior. It will introduce students to the major social psychological theories, methods, concepts, and research findings. Topics to be covered include the self, group dynamics, social perception, leadership, conformity, aggression, altruism, and prejudice. Cross-listed with SOC 2020. MNTC: 2/5/9

PSYC 2030 4 cr. Lifespan Development

This course covers a survey of the cognitive, social, physical, and intellectual development of the person from conception through adolescence and adulthood to old age. Major theories of physical, cognitive, and psychosocial development will be emphasized for each development stage from infancy to the last days of adulthood. Topics include personality development in the growing child, learning and memory, intelligence, psychological changes, sexuality, vocation and retirement, marriage and family, patterns of personality change, and death. Prerequisite or equivalent: PSYC 1010. MNTC: 2/5

PSYC 2050 3 cr. Psychology of Personal and Social Adjustment

Personality adjustment in normal persons will be the focus of this course. Emphasis will be placed on adjustment in college and the adult years. Students will examine, study, and evaluate the problems of today, and learn more effective methods of coping successfully. MNTC: 2/5

PSYC 2300 3 cr. Abnormal Psychology

This course is a study of abnormal behavior including classification of various disorders, description of causal factors, methods of assessment, and prevention and treatment from the various psychological perspectives. Prerequisite or equivalent: PSYC 1010. MNTC: 2/5

PULP AND PAPER TECHNOLOGY

PAPR 1100 3 cr. Introduction to Pulp and Paper Technology

This course provides an introduction to the technology of pulp and paper manufacturing and is intended to provide a basic foundation in this field. Terminology and key parameters are introduced, as well as stepwise descriptions of processes from harvesting of trees to the final product.

SOCIOLOGY

SOC 1100 3 cr. Introduction to Sociology

This course is a scientific study of major theories, methods, concepts, and research findings related to human social interaction and social organization. This course includes the study of culture and social structure; class, gender, race; and social institutions such as the family, the educational system, and the economic and political order. MNTC: 2/5/9

SOC 1230 4 cr. Criminal Justice in America

This course is designed to introduce students to the study of criminal justice. The administration of justice, law enforcement, law generation, post-arrest and pre-trial process, adjudication, post-conviction process, appellate court systems, societal reactions, and juvenile systems will be covered. MNTC: 2/5/9

SOC 1430 3 cr. Cultural Anthropology

Cultural Anthropology is the study of human cultures and the relationship of culture to human behavior. Emphasis is placed on interrelationships of the elements of culture, the similarities and differences among cultures, and the basic theory and terminology of cultural anthropology. MNTC: 2/5/8

SOC 1450 3 cr. Marriage and the Family

This course studies marriage and the family, as institutions in the United States, and include cross-cultural comparisons. Included are family roles, dating patterns, sexual behavior, marital adjustment, and changes in marriage and the family. Prerequisite or equivalent: SOC 1100. MNTC: 2/5

SOC 2000 3 cr. Research Methods in the Social Sciences

This cross-disciplinary course focuses on the major research methods used by social scientists. It will introduce students to the philosophy of science, principles of research design, modes of observation, the analysis of data, and ethical issues surrounding social research. Cross-listed with PSYC 2000. MNTC: 2/5/9

SOC 2010 2 cr. Population Issues

The study of essential demographic concepts and the issues and impact of population growth and change on our lives. MNTC: 2/5

SOC 2020 3 cr. Social Psychology

This cross-disciplinary course examines how situational variables influence people's thoughts, feelings, and behavior. It will introduce students to the major social psychological theories, methods, concepts, and research findings. Topics to be covered include the self, group dynamics, social perception, leadership, conformity, aggression, altruism, and prejudice. Cross-listed with PSYC 2020. MNTC: 2/5/9

SOC 2100 3 cr. Mass Media Studies

This course is designed to introduce students to the study of mass media from a sociological perspective. It will critically examine the social bases of message construction and dissemination; the role of media in promoting social stability and social change; the process and outcomes of media concentration; social class, racial, gender, and other forms of inequality as they relates to media content; and the consequences of mediated communication for self- and group-identity. MNTC: 2/5/7

SOC 2200 3 cr. Social Problems

This course is an introduction, using a critical thinking approach, to causes and effects of the major social problems of American society. The course includes such social issues as global inequality, population and the environment, poverty, group prejudice, family problems, and health care. Prerequisite or equivalent: SOC 1100. MNTC: 2/5/7

SOC 2260 3 cr. Gender Roles and Society

Students will critically evaluate the gender structure and its consequences for individuals and society. Students will examine the influence of society and its institutions on the lives of men and women. MNTC: 2/5

SOC 2270 2 cr. Sociology of Food

This course examines the social and cultural dimensions of the production, distribution, preparation, and consumption of food. It explores the social significance of food, including the determinants of what and how people eat, social meanings associated with certain foods, how food norms reflect and perpetuate forms of social stratification, the rationalization of food-related processes, and the consequences of food conventions for the health of people and the environment. MNTC: 2/5/9

SOC 2500 3 cr. Sociocultural Diversity

This course covers an analysis of the intersection of race, class, gender, and other diverse groupings with each other and the social system. Attention is given to personal and institutional aspects of the connections, tensions, and issues arising from barriers to the equality of diverse groups. Students will understand the meaning of diversity, identify and explain societal and personal barriers that prevent full participation of social groups, and examine ways to eliminate these barriers. MNTC: 2/5/7

SOC 2700 3 cr. Criminology

Criminology is the scientific study of crime and public legal law enforcement reactions to it. This course surveys the social side of crime and criminal justice, and suggests how we can think about crime from a sociological perspective. MNTC: 2/5/9

SPANISH

SPAN 1010 4 cr. Beginning Spanish I

This course will open the communication door for the learner to the Spanish-speaking world. The learner will communicate at a very basic level in spoken Spanish and will learn about the customs and language usage of different Hispanic cultures. Through a systematic manipulation and practice of vocabulary, simplified grammar, and exercises within authentic contexts, students will develop guided active conversational skills and the ability to personalize and apply the language to realistic business and travel situations.

SPAN 1020 4 cr. Beginning Spanish II

Beginning Spanish II is the second of four courses to help the learner communicate in spoken Spanish and learn more about the customs and language usage of different Hispanic cultures. Students will develop guided active conversational skills and the ability to personalize and apply the language to realistic business and travel situations through a systematic manipulation and

practice of vocabulary, simplified grammar, and exercises within authentic contexts. Prerequisite or equivalent: SPAN 1010 or consent of instructor.

SPAN 2020 4 cr. Intermediate Spanish I

Intermediate Spanish I will provide students a review and strengthening of fundamental Spanish language concepts. Increased writing and speaking skills will be developed with vocabulary building and improved pronunciation. An awareness and knowledge of Hispanic cultures, literature and civilizations will be fostered and explored. Prerequisite or equivalent: SPAN 1020, or consent of instructor. MNTC: 2/8

SPAN 2030 4 cr. Intermediate Spanish II

Intermediate Spanish II extends and deepens awareness and use of linguistic functions in Spanish. Topics include the history, culture, and literature of Hispanophone countries. This course is appropriate for students with significant prior experience in Spanish and for students who are highly motivated. Prerequisite or equivalent: SPAN 2020 or consent of instructor. MNTC: 2/8

SPEECH

SPCH 1010 3 cr. Interpersonal Communication

The course covers a study of person-to-person and small-group oral communication skills. It covers the development of these skills, and how they affect self-concept, relationships, and emotions. Participation in small-group discussions, as well as classroom activities and exercises are used to demonstrate practical applications of talking-listening skills. Examinations of family, gender, and intercultural oral communication skills are included. This is not a public speaking course. MNTC: 1/2

SPCH 1020 3 cr. Public Speaking

This communication course focuses upon the research, development, content, and delivery of oral presentations to a particular audience. Methods and techniques for preparing and delivering effective informative and persuasive speeches are provided. Various aspects of oral communication theory are studied in order to provide students with insights into the speaker-audience situation. MNTC: 1/2

SPCH 1030 3 cr. Oral Interpretation

This course covers an examination and analysis of selections from prose, poetry, and drama that are suitable for communicative reading. Methods and techniques for using voice, body, and manuscript will be practiced and performed. Verbal and nonverbal aspects of effective presentations of literature are studied and adapted to a particular audience. MNTC: 1/2

SPCH 1040 3 cr. Intercultural Communication

Students will study verbal and nonverbal communication theory as it relates to communicating effectively with people from diverse cultures and co-cultures. Methods and techniques for achieving success and competence as an intercultural communicator will be provided and practiced. Assigned readings are followed by a wide variety of exercises, activities, and projects designed to heighten intercultural communication skills. MNTC: 1/2/7

STUDY SKILLS

STSK 0900 2 cr. Individual Skills Development

This course offers students the opportunity for individualized development of specific skills in writing, math and/or reading. After assessment and interview, the student, the student's Academic Advisor, the Developmental Education Coordinator, and the Director of the Academic Skills Center will write an individualized learning plan. The student will contract to complete a minimum of 60 hours of work. Prerequisite or equivalent: appropriate placement determined by academic skills assessment.

STSK 1010 3 cr. Study Skills for College

In this course, students will develop study skills for college: time management, reading strategies, vocabulary development, note-taking, test-taking, managing stress, and test anxiety. Students will also assess their individual learning styles, set personal and academic goals, explore careers, and learn to access campus resources (advising, library, and career center).

STSK 1030 1 cr. Transition to College

This course introduces students to the structure and function of higher education. Topics addressed include learning styles and personal development issues as they relate to college success. Peer support and sense of community are built into the course. There will be a number of social activities in and outside of class. The TRiO program, federally funded by a Student Support Services grant, provides this course.

THEATER

THTR 1210 3 cr. Introduction to Theater Arts

This course is designed to increase the student's appreciation and understanding of theatre as an art form. Highlights include an examination of the various artists of the theatre - playwright, director, actor, designer, technician - as well as the history of theatrical productions. MNTC: 2/6B

THTR 1220 3 cr. Fundamentals of Theater

Students will read and analyze a variety of play scripts for their potential artistic and practical value for theatrical production. Attention is given to the practical aspects of how each play script would be successfully produced for a particular audience. MNTC: 2/6B

THTR 1230 3 cr. Beginning Acting

This is a practical performance course designed to introduce and train students in the fundamental processes of acting. The course includes exercises and practice in the expressive skills of voice and movement, and a study of the analytical skills necessary to understand the dramatic text. Students will study twelve basic guideposts to good acting and apply the guideposts to a variety of practical acting activities. MNTC: 2/6A

THTR 1250/ .5 cr. Theater Production I and II
1260 .5 cr.

These courses provide students with practical participation in the technical, artistic, acting, and stage managing phases of an RRCC theatrical production. Thirty hours of hands-on production work is required. Permission of the instructor is also required prior to registering for this course.

WELDING

WELD 2100 3 cr. Welding and Cutting Fundamentals

The purpose of this course is to introduce students to Shielded Metal Arc Welding (SMAW), Acetylene Gas Welding, Metal Inert Gas (MIG), and Tungsten Inert Gas (TIG) welding. Students will learn the related safety practices as required by National Skills Standards established by the federal government and the American Welding Society (AWS). The student will become familiar with SMAW principles and techniques, ANSI/AWS Z49.1 safety standards, metallurgy (generally soft metals), electrical principles, and filler metals. Students will learn how to apply their knowledge to all weld types in all welding positions. Welding terminology and typical job communications will be covered.

WELD 2200 3 cr. Structural Welding Fundamentals

Students will learn techniques required to design and fabricate the various components needed in general maintenance applications, e.g., jigs, fixtures, mounts, equipment installation, structural applications, etc.