

UNDERWOOD HIGH SCHOOL



COURSE CATALOG

2012-2013

ART

Class: 9th grade Art

Length/Credits: 1 trimester (.33 credits)

Offered to: 9th grade

Graduation Requirement: No

Offered With: Industrial Arts 9 and Careers 9

Prerequisites: none

Course Description: In 9th grade art we will do art history notes once a week focusing on Modern Art. We will also do a variety of projects including drawing, painting, and sculpture. These assignments usually change from year to year.

Class: 2-D Art

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10-12th grade

Graduation Requirement: it is one option to fulfill your Fine arts requirement

Prerequisites: none

Course Description: In 2-D Art we will be focusing on all different mediums and materials that can be used to create two-dimensional art. Some materials include pencil, pen and ink, charcoal, oil pastels, and different kinds of paint (mainly watercolor and acrylic). The assignments will vary each year but some will be duplicated. Students will also have sketchbook assignments that will be done as homework.

Class: 3-D Art

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10-12th grade

Graduation Requirement: it is one option to fulfill your Fine Arts requirement

Prerequisites: none

Course Description: In 3-D Art we will be creating art in three-dimensions. In other words, we will be making sculptures. We will spend approximately half the year working with clay learning hand-building techniques including pinch, coil, and slab. The remaining time will be spent creating sculptures out of other materials including paper, wire, paper-mache, mobiles, etc. The assignments will vary each year but some will be duplicated.

Class: Art Production

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10-12th grade

Graduation Requirement: it is one option to fulfill your Fine Arts requirement

Prerequisites: Preapproval by Mrs. Holtberg is required for students wishing to take this class. Tenth graders will also need to have had a A or B in 9th grade art. Only a few tenth graders each year will be allowed to take this course.

Students must start this class at the beginning of the school year. They will not be able to add later in the year. In addition, students should be good with

computers, multi-tasking, and meeting deadlines. Students should preferably have access to a digital camera, although the school does have some available. Students must be responsible.

Course Description: This class will be responsible for creating the yearbook. Students will sell advertisements to local businesses, sell yearbooks to students, and plan and create the entire yearbook. Each student will need to take photos throughout the entire school year. After the yearbook is complete, students will create a PowerPoint presentation for graduation.

BUSINESS

Class: Careers

Length/Credits: 1 trimester (.33 credit)

Offered to: 9th grade

Graduation Requirement: no

Offered With: Production Art 9 and Industrial Arts 9

Prerequisites: none

Course Description: In Careers we do assessments to determine interests, personality, values, and skills of students to find careers that would match them. In addition, we will research the education, pay, and job outlook of these different careers. Students will research colleges, prepare for the work force by completing job applications, resumes, and references. Finally, we will learn about succeeding in the world of work by studying about what employers want and the legalities related to the work place.

Class: Personal Finance (1st trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: no

Offered With: Microeconomics and Macroeconomics

Prerequisites: none

Course Description: In Personal Finance we will look at types of income, budgeting, saving and investing, credit, and insurance.

Class: Microeconomics (2nd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: yes

Offered With: Personal Finance and Macroeconomics

Prerequisites: none

Course Description: In Microeconomics students will learn about the laws of supply and demand. Also we will learn how consumers and business react when supply and/or demand changes.

Class: Macroeconomics (3rd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: yes

Offered With: Personal Finance and Microeconomics

Prerequisites: none

Course Description: In Macroeconomics students will learn about national and worldwide economics, including GDP, international trade, the Federal Reserve, etc.

Class: Computer Applications (1st trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: no

Offered With: Entrepreneurship and Legal Concepts

Prerequisites: none

Course Description: In Computer Applications students learn the different components of Microsoft Office, including Word, Excel, and PowerPoint. In addition, students work on their keyboarding skills.

Note: This class is offered every other year. (School years starting with an odd number, such as 2013-2014.)

Class: Entrepreneurship (2nd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: no

Offered With: Computer Applications and Legal Concepts

Prerequisites: none

Course Description: In Entrepreneurship we learn about starting a business. This can include things such as financing feasibility studies, business plans, etc.

Note: This class is offered every other year. (School years starting with an odd number, such as 2013-2014.)

Class: Legal Concepts (3rd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: no

Offered With: Accounting

Prerequisites: none

Course Description: In Legal Concepts students learn about the basics of our legal system, court system, and torts. After learning the basics, a number of additional topics will be covered as chosen by the students

Note: This class is offered every other year. (School years starting with an odd number, such as 2013-2014.)

Class: HTML (1st trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: no

Offered With: Web Design and Marketing

Prerequisites: none

Course Description: In HTML, students will learn the computer language XHTML to design web pages. This class is in charge of keeping the school district web site up to date, so be prepared to work under daily deadlines.

Class: Web Design (2nd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: no

Offered With: HTML and Marketing

Prerequisites: none

Course Description: In Web Design, we will learn about the technological and design perspectives of creating and maintaining web pages and web sites. This will be completed through the process of learning industry standard web site development programs. This class is in charge of keeping the school district web site up to date, so be prepared to work under daily deadlines.

Class: Marketing (3rd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th grade

Graduation Requirement: no

Offered With: HTML and Web Design

Prerequisites: none

Course Description: In Marketing students learn about how businesses market their goods and services to potential consumers. We learn about different promotional tools and strategies, determine a target market, and talk about the importance of pricing.

Class: College Accounting (1st semester)

Length/Credits: 1 semester

Offered to: 11-12th grade

Graduation Requirement: no

Offered With: College Intro. To Computers

Prerequisites: A passing score on both the reading and math portions of the Accuplacer; GPA of 2.8 for Seniors, GPA of 3.2 for Juniors; approval from Mrs. Hartman. (Students may enroll for this class if they don't pass the math portion of the Accuplacer, but have successfully completed Accounting at the high school level.) Only juniors and seniors are allowed in this college class.

Course Description: In Accounting we learn to complete the accounting cycle for a sole proprietorship including merchandising inventory. Also potentially included is payroll accounting.

Note: This class is offered every other year. (School years starting with an even number, such as 2012-2013.)

Class: College Intro. To Computers (2nd semester)

Length/Credits: 1 semester

Offered to: 11-12th grade

Graduation Requirement: no

Offered With: College Accounting

Prerequisites: A passing score on the reading portion of the Accuplacer; GPA of 2.8 for Seniors, GPA of 3.2 for Juniors; approval from Mrs. Hartman. Only juniors and seniors are allowed in this college class.

Course Description: In Computer Applications students learn the different components of Microsoft Office, including Word, Excel, Access, and PowerPoint. In addition, students work on their keyboarding skills.

Note: This class is offered every other year. (School years starting with an even number, such as 2012-2013.)

ENGLISH

Class: English 9

Length/Credits: Full Year – 3 trimesters (1 credit)

Offered to: 9th Grade

Graduation Requirement: Yes

Teacher: Mrs. Frie

Course Description: 9th grade English advances the reading and writing skills learned in junior high. Students will read and analyze two novels and various short stories. Students will also work on perfecting the writing process from outline, to rough draft, to final essay, while incorporating spelling and grammar throughout the year.

Class: 10th grade English (American Literature)

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10th Grade

Graduation Requirement: yes

Prerequisites: Successful completion of 9th grade English. If you have not passed 9th grade English, talk to the principal about your scheduling options. It is not ideal to be in 9th and 10th grade English at the same time.

Teacher: Mrs. Christianson

Course Description: We will survey American literature from the beginning of our country to recent times. Besides our textbook, we will read *The Crucible* and *To Kill a Mockingbird*, as well as selections from the multicultural compilation *Braided Lives*. This class has a focus on critical thinking and writing skills.

Class: Poetry (1st trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Journalism/Minnesota Authors

Prerequisites: Successful completion of 10th grade English; or, if you are in 10th grade, a recommendation from your 9th grade English teacher. (Taking two English classes at once is challenging; therefore, only 10th graders who enjoy English and have excellent study skills, organization, and the ability to prioritize should choose to take both 10th grade English and this class.)

Teacher: Mrs. Christianson

Course Description: Students in this class will write many different types of poetry, and the final product of the trimester is a poetry portfolio full of original poems. All students in the class participate in the Poetry Out Loud competition, where students memorize published poems and recite them for an audience. Students will also learn about famous poets and write a comparative analysis essay on two published poems.

Class: Journalism (2nd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Poetry/Minnesota Authors

Prerequisites: Successful completion of 10th grade English

Teacher: Mrs. Christianson

Course Description: The members of this class will be responsible for writing, editing, and publishing the school's online newspaper. This include brainstorming ideas for stories, interviewing people, attending games and events, writing, editing, revising, and publishing your work. Students in this class should enjoy writing, be comfortable interviewing others, and be comfortable editing others' work and having their work edited.

Class: Minnesota Authors (3rd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 10-12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Poetry/Classic Movies

Prerequisites: Successful completion of 10th grade English; or, if you are in 10th grade, a recommendation from your 9th grade English teacher. (Taking two English classes at once is challenging; therefore, only 10th graders who enjoy English and have excellent study skills, organization, and the ability to prioritize should choose to take both 10th grade English and this class.)

Teacher: Mrs. Christianson

Course Description: Students in this class will read novels by various Minnesota authors. We read *The Great Gatsby* as a class, and we use literature circles to read books by authors such as Will Weaver, Gerald Anderson, and more. Essays and group presentations are also a part of the class.

Class: Basic English (all year)

Length/Credits: Full year – three trimesters (1 credit)

Offered to: 11 and 12

Graduation Requirement: it is one option to fulfill your English requirement

Prerequisites: English 10

Teacher: TBD

Course Description: This remedial English class corresponds with the state English standards but operates at a pace established for students who require more time for information processing and skill attainment. It is designed to support students in improving their reading levels and develop proficiency in all the skills necessary for successful written communication.

Class: Technical Writing (1st Semester)

Length/Credits: 1 semester (.5 credit)

Offered to: 11 and 12

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: English for the Real World

Prerequisites: Completion of English 10

Teacher: TBD

Course Description: This class will help you prepare for writing in a technical setting. Resumes, cover letters, job applications, and other real-world examples will be used for writing.

Class: English for the Real World (2nd Semester)

Length/Credits: 1 semester (.5 credit)

Offered to: 11 and 12

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Technical Writing

Prerequisites: Completion of English 10

Teacher: TBD

Course Description: This course will include a wide array of topics connecting English to your everyday lives. News articles, current high-interest books and more will be incorporated.

Class: Intro to College Writing (1st trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 11-12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Speech and Journalism

Prerequisites: Successful completion of 10th grade English

Teacher: Mrs. Christianson

Course Description: You will write an essay every 1-2 weeks on different topics and in different formats. This is a good class for people who enjoy writing and want to improve their writing skills in preparation for college.

Class: Speech (2nd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 11-12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Intro to College Writing and Journalism

Prerequisites: Successful completion of 10th grade English

Teacher: Mrs. Christianson

Course Description: This class will learn about the basics of public speaking as well as write and perform a number of speeches. These include but are not limited to: informative, persuasive, pro/con, demonstration, and impromptu. You must perform your speeches in front of the class, so only take this class if you are or can become comfortable speaking in public.

Class: Journalism (3rd trimester)

Length/Credits: 1 trimester (.33 credit)

Offered to: 11-12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Intro to College Writing and Speech

Prerequisites: Successful completion of 10th grade English

Teacher: Mrs. Christianson

Course Description: The members of this class will be responsible for writing, editing, and publishing the school's online newspaper. This include brainstorming ideas for stories, interviewing people, attending games and events, writing, editing, revising, and publishing your work. Students in this class should enjoy writing, be comfortable interviewing others, and be comfortable editing others' work and having their work edited.

Class: College Writing (1st Semester)

Length/Credits: 1 semester (.5 credit); as well as college credit through M State

Offered to: 11-12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Public Speaking

Prerequisites: A passing score on the Accuplacer; GPA of 2.8 for Seniors, GPA of 3.2 for Juniors; successful completion of Intro to College Writing or approval from Ms. Christianson. Only juniors and seniors are allowed in this college class.

Teacher: Mrs. Christianson

Course Description: This is a college level writing class that you will earn college credit for if you successfully complete it. Most colleges accept this course as your first college writing course (but check with your potential colleges first). As such, you will be expected to complete college-level work. You will write an essay every 1-2 weeks. The type of essay will vary. If you are not sure you are prepared for the demands of a college course, please take Intro to College Writing first.

Class: College Public Speaking (2nd Semester)

Length/Credits: 1 semester (.5 credit); as well as college credit through M State

Offered to: 11-12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: College Writing

Prerequisites: A passing score on the Accuplacer; GPA of 2.8 for Seniors, GPA of 3.2 for Juniors; successful completion of Intro to College Writing or approval from Ms. Christianson. Only juniors and seniors are allowed in this college class.

Teacher: Mrs. Christianson

Course Description: This is a college level public speaking class that you will earn college credit for if you successfully complete it. Many colleges accept this course as your public speaking course (but check with your potential colleges

first). As such, you will be expected to complete college-level work. You will write and perform a speech every 1-2 weeks. The type of speech will vary. If you are not sure you are prepared for the demands of a college speech course, please take the high school level speech course first.

Class: College Writing 2 (1st Semester)

Length/Credits: 1 semester (.5 credit); as well as 3 college credits through M State

Offered to: 12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: Intercultural Communication

Prerequisites: Successful completion of College Writing 1; A passing score on the Accuplacer; GPA of 2.8 for Seniors; successful completion of Intro to College Writing or approval from Ms. Christianson. Only seniors are allowed in this class.

Teacher: Mrs. Christianson

Course Description: This class builds on the knowledge from College Writing I. Students will read a variety of literature and write using different critical lenses. Many colleges accept this class as transfer credits for writing, but check with your potential colleges to make sure this is the case.

Class: Intercultural Communication (2nd Semester)

Length/Credits: 1 semester (.5 credit); as well as 3 college credits through M State

Offered to: 12th Grade

Graduation Requirement: it is one option to fulfill your English requirement

Offered with: College Writing 2

Prerequisites: Successful completion of College Public Speaking; A passing score on the Accuplacer; GPA of 2.8 for Seniors; successful completion of Intro to College Writing or approval from Ms. Christianson. Only seniors are allowed in this class.

Teacher: Mrs. Christianson

Course Description: We will study the nature of communication as it is affected by cultural and co-cultural variables; become familiar with philosophies and approaches to the study of communication and diversity; experience dynamics of intercultural communication; examine the relationship between culture and perception, thought, language, and behavior; and examine how culture influences and plays a role in public and private communication interactions (e.g., interpersonal relationships, communication in small-group and organizational settings, argumentation, mass communication).

INDUSTRIAL TECHNOLOGY

Class: Basic Auto and Woodworking (Industrial Arts 9)

Length/Credits: 1 trimester (.33 credits)

Offered to: 9th grade

Graduation Requirement: No

Offered With: Production Art 9 and Careers 9

Prerequisites: 7th Drafting and 8th Woods Safety

Course Description: Students will learn basic car care including checking fluids, checking brakes, checking tire pressures, changing a tire, learning about tire sizes, and basic auto shop safety. During the woodworking portion students will build a furniture-type project of their choice. Drafting and wood safety skills will be used on a daily basis in this class.

Class: Carpentry

Length/Credits: Full year- 3 trimesters (1 credit) – If taken for one hour

Full year- 3 trimesters (2 credits) – If taken for both hours

Offered to: 10-12th grade

Graduation Requirement: No

Offered with: None

Prerequisites: None

Course Description: Students will learn about all trades related to building a house. The trades include footing and foundations, floor and roof truss systems, framing, shingling, siding, sheet rocking, plumbing, wiring, insulating, hanging doors, finishing, and trimming. Work ethic will be strongly emphasized and students must be willing to work outside in extreme conditions.

Note: This class is offered for two class periods. You may just take one class period if you are enrolled in the earliest hour offered.

Class: Small Engines and Welding

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10-12th grade

Graduation Requirement: No

Prerequisites: None

Course Description: Students in this class will learn how to disassemble, accurately measure, and reassemble two small engines. They will also learn the theory behind how all engine parts work, along with drilling and tapping techniques. In Welding, students will practice how to stick weld, wire feed weld, oxy-fuel weld, and TIG weld. Students will also learn many ways of cutting and separating metal. Students must be willing to get their hands dirty and work hard.

MATHEMATICS

Class: Geometry

Length/Credits: Full year – 3 Trimesters (1 credit)

Offered to: 9th grade

Graduation Requirement: Yes

Prerequisites: Algebra 1

Teacher: Mrs. Hoyt

Course Description: Students will learn the basic terms and notations of Geometry and will master skills in reasoning and proof. They will work with a variety of topics including parallel and perpendicular lines, congruent and similar triangles, ratios and proportions, right triangles and trigonometry, quadrilaterals, polygons, and transformations.

Class: Algebra 2

Length/Credits: Full year – 3 Trimesters (1 credit)

Offered to: 10th grade

Graduation Requirement: Yes

Prerequisites: Algebra 1, Geometry preferred as well

Teacher: Mrs. Hoyt

Course Description: Students in this class will work to master skills in linear and quadratic equations, inequalities and functions, matrices, polynomials and polynomial functions, rational exponents, and radical functions.

Class: Advanced Algebra (Trigonometry/Statistics)

Length/Credits: Full year – 3 Trimesters (1 credit)

Offered to: 11th and 12th Grade

Graduation Requirement: it is one option to fulfill your Math requirement

Prerequisites: Algebra II and/or Geometry

Teacher: Mr. Woodman

Required Items: Pencil, Paper, scientific or graphing calculator

Topics Covered: The Trig Functions (Angles, Solving Right Triangles, The Unit Circle, Sine Law, Cosine Law, Triangle Area), Graphs of Trig Functions and Inverses, Trigonometric Identities and Equations, Arithmetic and Geometric Series and Sequence, Sigma Notation and Binomial Theorem, Combinatorics and Probability (Permutations, Combinations, Probability and Odds, Binomial Probability), Statistics and Data Analysis, (Frequency Distribution, Measures of Central Tendency and Variability [Normal Distribution, Mean/Median/Mode Scatter/Box-and-Whisker/Stem-and-Leaf, Sample Sets, and Linear Regression]).

Class: Transitional Math

Length/Credits: Full year – 3 Trimesters (1 credit)

Offered to: 11th and 12th Grade

Required Items: Pencil, paper, and scientific calculator

Graduation Requirement: it is one option to fulfill your Math requirement

Prerequisites: Algebra 2

Teacher: Mr. Horgen

Course Description: Designed for students who need to prepare for college or tech school and will have to take some math requirements.

Topics Covered: Linear Equations, Functions, Systems, Matrices, Quadratics, Polynomials, Logs, Probability, Stats, Trig Basics.

Class: Grad. Math

Length/Credits: Full year – 3 Trimesters (1 credit)

Offered to: 11th and 12th Grade

Required Items: Pencil, paper, and scientific calculator

Graduation Requirement: it is one option to fulfill your Math requirement

Prerequisites: None

Teacher: Mr. Horgen

Course Description: This course covers a variety of topics at the basic level to prepare students for the Grad Test given to juniors. It is meant for those students who have struggled with math or have not passed the Grad Test.

Topics Covered: Fractions/Decimals/Percents, Exponents and roots, Linear Algebra (includes graphing lines and solving linear equations and inequalities), Rates/Ratios//Proportions, Statistics and Probability, Geometry (Angles and triangles [including an intro to trig functions- soh-cah-toa], Plane Geometry: Perimeter and Area, Solid Geometry: Volume and Surface Area), Polynomials (operations and factoring), and Quadratics.

Class: Precalculus

Length/Credits: Full year – 3 Trimesters (1 credit)

Offered to: 12th Grade

Graduation Requirement: it is one option to fulfill your Math requirement

Prerequisites: Algebra II or Advanced Algebra (Trig/Statistics)

Teacher: Mr. Woodman

Required Items: Pencil, Paper, scientific or graphing calculator

Course Description: After finishing this course, students will be well prepared for their 1st year of college calculus.

Topics Covered: Linear and Quadratic Functions, Polynomial Functions, Inequalities, Exponents and Logarithms, Limits, Intro to Calculus, Derivatives and Integration

MUSIC

Class: Band

Length/Credits: Full Year – 3 trimesters (.5 credit)

Offered to: 9th – 12th Grade

Graduation Requirement: it is one option to fulfill your Fine Arts requirement

Teacher: Mr. Speer

Prerequisites: Junior High Band. Students who were not in band the previous year MUST get approval from the Band Instructor.

Teacher: Mr. Speer

Course Description: Concert band is an opportunity for instrumental musicians to continue developing their musical skills, both individually and as part of a collective group. In addition to two or three concerts a year, students will also perform in many pep band events, and some will prepare solos and ensembles to perform at competition and at spring concerts. There is also a "Large Group" band contest held every spring, which all band students are expected to participate in. A variety of musical styles, from all time periods of music, are explored in this performance-based class. Students are also expected to attend individual and group lessons during the course of the year.

Note: UHS music groups go on a trip every three years, which would place trips in the spring of 2012, 2015, 2018, etc. These trips usually cost around \$1000, so please take this into consideration when choosing to take band or choir. If this is a concern for you, please talk to your musical director.

Class: Choir

Length/Credits: Full Year – 3 trimesters (.5 credit)

Offered to: 9th – 12th Grade

Graduation Requirement: it is one option to fulfill your Fine Arts requirement

Teacher: Mrs. Flint

Course Description: The major purpose of this course is to provide students with the basic knowledge of music, the initial ability to sing at an intermediate level, and the opportunity to participate in a group with multiple performance opportunities. The content of the class will include the following: knowledge of musical notation (such as notes, rests, advanced timing, theory and harmony), opportunity to sing music from various genres and styles, instruction on how to sing correctly and to develop their voice, instruction to better understand intonation, articulation, and dynamics, opportunity to perform with a group, opportunity to compete with other groups and be adjudicated, opportunity to participate in extra-curricular groups (ie. Show choir), opportunity to pursue excellence through singing and/or watching others, and the opportunity to travel/perform with group and other ensembles. After successfully completing this course, the student will be able to: sing correctly (alone or in a group) at an advanced level, understand and use the major elements of music, including theory and harmony, be given the opportunity to earn a letter, and other awards

of achievement. Students will be graded on the following: Participation, positive attitude, and work ethic 50%; Private vocal lessons, concert attendance, and assignments 50%.

Note: UHS music groups go on a trip every three years, which would place trips in the spring of 2012, 2015, 2018, etc. These trips usually cost around \$1000, so please take this into consideration when choosing to take band or choir. If this is a concern for you, please talk to your musical director.

PHYSICAL EDUCATION

Class: PE 9

Length/Credits: 2 Trimesters (.67 credit)

Offered to: 9th Grade

Graduation Requirement: Yes

Offered with: Health 9

Teacher: Mrs. Dewey/Mr. Hendrickson

Course Description: Individual sports, team sports, rhythms and dance, fitness, weight training. Promotes a physically active lifestyle. Understands that physical activity provides the opportunity for enjoyment, challenge, self-expression and social interaction.

Class: Health 9

Length/Credits: 1 trimester (.33 credits)

Offered to: 9th Grade

Graduation Requirement: Yes

Offered with: PE 9

Prerequisites: 7th and 8th grade health

Teacher: Mrs. Dewey

Course Description: We discuss infectious diseases, STDs, HIV and AIDS, non-infectious diseases and disabilities, cancers, and physical and mental challenges.

Class: Strength/Agility/Conditioning (10-12th PE)

Length/Credits: Full year – 3 Trimesters (1 credit)

Offered to: 10-12th Grade

Graduation Requirement: No

Prerequisites: Basic weightlifting knowledge. Being in a sport is not required, but is most beneficial for those students.

Teacher: Mr. Hendrickson

Course Description: Students in the class will weight lift 2-3 times per week and will participate in speed/coordination and sport practice. There will be some conditioning involved, but the emphasis will be on weight lifting and agility. There will be short homework assignments to assess learning, participation, and gains.

SCIENCE

Class: Environmental Science/Physical Science

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 9th grade

Graduation Requirement: Yes

Offered with: None

Prerequisites: none

Teacher: Mr. Ross

Course Description: In the 9th grade science class we discuss the Environment. We talk about using science to solve environmental problems. We have students investigate the impact students have on the environment and how species interact with each other. We attempt to make the students understand how evolution provides a scientific explanation of fossils. Furthermore we talk about living things in an ecosystem, and the energy flow throughout an ecosystem. We teach the students that science is a way of knowing about the world, to investigate students must use scientific inquiry. Human impact on the environment is another topic of discussion. We study the diversity of the environment, the cycle of matter and flow of energy through living and non-living components. We also discuss genetics. Physical Science studies the physical world around us. We study things like matter, atoms, motion and forces, and energy.

Class: Biology

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10th grade

Graduation Requirement: Yes

Offered with: None

Prerequisites: none

Teacher: Mr. Foertsch

Course Description: Biology starts off with learning about the scientific method, then learning about chemistry of living things, cells, cell transport, mitosis and meiosis, genetics, evolution, ecology, human anatomy, bacteria, simple organisms, invertebrates, and finishes with learning about plants and animals.

Class: Chemistry

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 11th -12th grade

Graduation Requirement: it is one option to fulfill your Science requirement

Prerequisites: none

Teacher: Mr. Tiffany

Course Description: Chemistry is a class designed to teach foundational chemistry skills and concepts primarily in preparation for a college chemistry course. Many college students take some sort of chemistry class. Even those

students who don't plan to take a college chemistry course will benefit from a greater understanding of chemistry in our daily lives and from the challenge of a difficult class.

Class: Forensic Science

Length/Credits: 1 semester (.5 credit)

Offered to: 11th -12th grade

Graduation Requirement: it is one option to fulfill your Science requirement

Offered with: Anatomy

Prerequisites: none

Teacher: Mr. Ross

Course Description: This class is an introductory course in Forensic science. Its primary focus is on practicing forensic science and analyzing physical evidence found at crime scenes. The main objective is to teach the basic processes and principles of scientific thinking so as to apply them to solving problems that are related not only to science but to all disciplines.

Class: Human Anatomy

Length/Credits: 1 semester (.5 credit)

Offered to: 11th -12th grade

Graduation Requirement: it is one option to fulfill your Science requirement

Offered with: Forensics

Prerequisites: none

Teacher: Mr. Ross

Course Description: Human anatomy is a high school level, lab course that provides a thorough introduction muscle and bone as well as human gross anatomy (study of organs and organ systems), with an emphasis on laboratory study. The emphasis here is to provide you with an introduction to the human body for those that would like to pursue a health related field.

Class: Advanced Environmental Science

Length/Credits: 1 semester (.5 credit)

Offered to: 11th – 12th grade

Graduation Requirement: it is one option to fulfill your Science requirement

Offered with: Wildlife Biology

Prerequisites: none

Teacher: Mr. Ross

Course Description: Students will learn about our water resources by using hands-on activities. This course is designed to get students outside to learn about the water quality in our area. They will do this by conducting seven basic water tests. Students also participate in a rural well nitrate-testing program with the community. Underwood students provide free nitrate tests to the citizens that live in and around Underwood.

Class: Wildlife Biology

Length/Credits: 1 semester (.5 credit)

Offered to: 11th – 12th grade

Graduation Requirement: it is one option to fulfill your Science requirement

Offered with: Advanced Environmental Science

Prerequisites: none

Teacher: Mr. Ross

Course Description: Students learn about Minnesota wildlife. Main focus is Birds, Mammals, Amphibians, Fish and Reptiles found in our state. Students also learn the basics of Taxidermy.

Class: Physics

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 12th grade

Graduation Requirement: it is one option to fulfill your Science requirement

Prerequisites: none

Teacher: Mr. Tiffany

Course Description: Physics is a class designed to teach foundational physics skills and concepts primarily in preparation for a college physics course. Those students who don't take a physics course in college will benefit from a greater understanding of physics in our daily lives and from the challenge of a difficult class.

Class: Advanced Placement (AP) Biology

Length/Credits: Full year- 3 trimesters (2 credits) – Must take both hours

Offered to: 11th and 12th grade

Graduation Requirement: it is one option to fulfill your Science requirement

Prerequisites: Summer Ecology project and teacher approval

Teacher: Mr. Foertsch

Course Description: AP Biology is designed to be the equivalent of a college introductory Biology course. Topics covered will include molecules, cells, heredity, evolution, organisms and populations. Primary emphasis will be placed on helping students develop a conceptual understanding of Biology in recognizing unifying themes that integrate the major topics.

Note: Students taking this course can choose to take the AP Biology test in May, which will determine if students will earn college credit for this course. If the student scores a 3, 4, or 5 on the test (out of a high possible score of 5) then they will receive college credit.

SOCIAL STUDIES

Class: Geography

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 8th grade

Graduation Requirement: Yes

Prerequisites: 7th grade history

Teacher:

Course Description: In Geography we take a virtual trip around the world, learning about every country and the cultures and traditions that make our world so diverse. We explore the seven wonders of the world and where we would go on our dream vacations if ever allowed to do so. We also learn about different languages, religions, and traditions that others countries of the world practice. Most importantly, we learn everyday that our world consists of so much more than "Underwood, MN."

Class: Civics

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 9th grade

Graduation Requirement: Yes

Prerequisites: 8th grade geography

Teacher: Mr. Soland

Course Description: In Civics we explore the complex world of politics. We learn about everything from political parties to governments of other nations. We actively discuss our political views and what we can do to make our democracy a better place. We will also learn about the intricacies of our government and how our leaders can be influenced by us, the voter. Lastly, we run our own campaigns learning how a candidate might run for office in a mock election.

Class: History 10

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10th grade

Graduation Requirement: Yes

Prerequisites: None

Teacher: Mr. Olson

Course Description: Topics covered will include a review of the Civil War, westward expansion, World War I, the Great Depression, the New Deal, and the Vietnam War.

Class: History 11

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 11th grade

Graduation Requirement: Yes

Prerequisites: None

Teacher: Mr. Olson

Course Description: Topics covered will include pre-history, ancient civilizations, ancient Greece and Rome, the Renaissance, and World War II.

Class: World News Today

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 11th and 12th grade

Graduation Requirement: it is one option to fulfill your 12th grade Social Studies requirement

Prerequisites: 10th grade US History

Teacher: Mr. Soland

Course Description: World News Today is an elective course that will explore the world through news outlets around the globe. Not only will you gain a better understanding of the world and the events that are happening in it, you will also gain a more thorough appreciation for the people we live and work with everyday. Be ready to analyze and discuss an array of topics that will include religion, war, government, social networks, global institutions, and even entertainment as we travel the world in search of interesting and engaging news stories. Prepare yourself to think outside the box every day as you enter class...

Class: Social 12

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 12th grade

Graduation Requirement: it is one option to fulfill your 12th grade Social Studies requirement

Prerequisites: 3 credits of social studies

Teacher: Mr. Soland

Course Description: This course covers both Sociology and Psychology. In **Sociology** students will learn and understand how people live and work in societies around the world. They will begin to understand how individuals affect society in both positive and negative ways. They will also learn and discuss how controversial topics affect our society and that of others around the world. Lastly, they will begin to understand how their social lives are a product of the generations who have lived before them. Be ready to study sociological theories, personality debates, controversial issues, and the issues of race, ethnicity, and heritage. In the **Psychology** portion of the class, students will answer questions such as, "Have you ever wondered why people act differently than others? Have you ever thought, "what was that dream all about?" In Psychology we learn about these things and so much more! Students begin to explore psychological theories and psychologists like Sigmund Freud who have been instrumental in the field. We also learn about sensation, the complexities of the human mind, memory, and what motivates people to act with certain behaviors.

WORLD LANGUAGE

Class: Spanish I

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 9-12th grade

Graduation Requirements: No - Most universities and some colleges require 1-2 yrs. of a consecutive foreign language. Some private colleges are recommending 3 years and Ivy League Institutions strongly recommend 4 years.

Prerequisites: None

Course Description: Students will be exposed to an introduction of the Spanish language, learning basic survival skills, covering the topics of time, weather, sports activities, foods, how to order foods, clothing, verbs, reflexive verbs, directions, body parts, professions, household nouns, use of adjectives, adverbs, nouns, verb conjugations, stem changing verbs etc. Use of Speed Spanish to learn full complete sentences, Total Personal Response in Storytelling and Rosetta Stone and Hispanic music are implemented along with other complimentary materials to aid in the acquisition of the Spanish language. Opportunities to travel every 3 years with current or former students will be available to Spanish students. These opportunities enhance learning that has occurred in the classroom and further exposure to the Hispanic culture that are lifelong lessons of diversity and understanding of the customs through music, food, mode of dress and celebrations that students will experience first hand.

Class: Spanish II

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10-12th grade

Graduation Requirements: No - Most universities and some colleges require 1-2 yrs. of a consecutive foreign language. Some private colleges are recommending 3 years and Ivy League Institutions strongly recommend 4 years.

Prerequisites: Spanish I

Course Description: Students will continue with the knowledge of Spanish I to add to their expertise of the Spanish language in the same areas with added knowledge of word usage, verb conjugations including the past, future and compound verbs in their journey to learn, comprehend, and communicate. The same instructive tools will be implemented to aid in understanding of the Spanish Language. There are opportunities to travel every 3 years with the Spanish Classes with former or current students to Spanish speaking countries. These opportunities enhance learning that has occurred in the classroom and further exposure to the Hispanic culture that are lifelong lessons of diversity and understanding of the customs through music, food, mode of dress, and celebrations that students will experience first hand.

Class: Chinese I (ITV)

Length/Credits: Full year- 3 trimesters (1 credit)

Offered to: 10-12th grade

Graduation Requirements: No

Prerequisites: None

Course Description: Students will be exposed to an introduction of the Chinese language. This will include learning basic language skills.

Note: This is an ITV course that will be taught through a television connection.

UNDERWOOD HIGH SCHOOL



ONLINE COLLEGE OFFERINGS

2012-2013

ONLINE COLLEGE CLASS OFFERINGS

TO BE ELIGIBLE FOR ONLINE CLASSES YOU MUST:

- Meet the minimum **GPA** requirements:
 - 3.2 for Juniors
 - 2.8 for Seniors
- Pass the **Accuplacer** (or ACT, see below):
 - Reading – 78
 - Elementary Algebra – 76
 - College Level Math – 50
- Score at least the following on the **ACT**:
 - ACT Reading subscore – 18 (M*State) or 21 (Other OCHS Schools)
 - ACT Algebra subscore – 22

TYPES OF CLASSES:

- Career and Technical Courses
 - These courses are directed toward a specific career field or cluster. Take these courses if they apply to the career you are interested in pursuing.
- Minnesota Transfer Curriculum Courses
 - These courses are general education courses that can be transferred to any college within the MNSCU system. Take these courses to earn college credit to meet general education requirements at the college you plan to attend and/or to cover high school graduation requirements you have not met yet.

PARTICIPATING COLLEGES

- M*State – Fergus Falls
- Alexandria Technical and Community College
- Northland Technical and Community College
- Northwest Technical College

FALL 2012-2013

Class: BIOL 2252 Anatomy & Physiology I

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 3 and 10

College Offering: Northland Community and Technical College

Course Description: This course acquaints students with the structure, function, and disease processes of cellular physiology, homeostasis, integumentary, respiration, lymphatics, immunity, heart, blood, joints, skeletal and muscular systems in the human body. This course also investigates the impact of environmental influences on the human body as well as the effects of the environment and genetics on disease processes. This course assists students in developing a basic understanding of the normal structure and function of the body.

Note: This course includes 2 lecture hours and 2 lab hours per week.

Class: GEOG 1470 World Regional Geography

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 8

College Offering: Alexandria Technical and Community College

Course Description: This course is a broad overview of selected general geographic regions of the world and the discipline of geography.

Class: PHIL 1440 Ethics

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 7 and 9

College Offering: Alexandria Technical and Community College

Course Description: The course introduces learners to the field of ethics. The development of ethical standards is explored as related to the individual, government, business, and society. Contemporary social issues and personal ethical dilemmas are examined. Consequences of thinking and behaving ethically are analyzed.

Class: PSYC 1445 General Psychology

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 5

College Offering: Alexandria Technical and Community College

Course Description: This course is a basic introduction to psychology. Topics include its history, research methods, biological factors in behavior, sensation and perception, motivation and emotion, learning, intelligence, personality theories, human development, social behavior, and abnormal psychology. This course exposes learners to the basics of these topics.

Class: COMM 1415 Public Speaking

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 1

College Offering: Alexandria Technical and Community College

Course Description: This course covers the theories, practices, and methods of public speaking, group problem solving, critical listening, and critiquing. The focus in this course is on the concepts of planning and delivering oral presentations and enhancing learner listening skills.

Class: MATH 1110 College Algebra

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 4

College Offering: Northland Community and Technical College

Course Description: This course covers basic algebraic operations, linear and quadratic equations and inequalities, variation, functions and their graphs, binomial expansion, theory of equations, rational equations, conic sections, exponential and logarithmic functions, and systems of equations.

Class: PHYS 1111 General Physics I

Semester: Fall

High School Credit: .5 credit

College Credit: 4 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 3

College Offering: Northland Community and Technical College

Course Description: This is the first of the introductory physics sequence. This course gives a general theoretical and practical introduction to physics. Topics include: mechanics and gravitation, work and energy, heat and thermodynamics, vibrations and waves, electricity and magnetism, light and optics. The laboratory is a corequisite of the course. A background in trigonometry is necessary.

Class: PLSC 1102 American Government/Politics

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 5 and 9

College Offering: Northland Community and Technical College

Course Description: This course is a study of the structure and functions of government at the national level and the relationship of the government to other social institutions and to the individual. Federalism, constitutionalism, interest groups, the media, parties and campaigns are among the topics that will be addressed.

Class: SOCS 1405 Critical Thinking in Society

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 2 and 7

College Offering: Alexandria Technical College

Course Description: This course deals with learning and applying various critical thinking strategies, problem solving techniques, and levels of critical analysis to improving social and personal relationships. In the context of diversity awareness and social tolerance, the learner examines form vs. content; validity, truth, and the soundness of arguments; and the difference between fact, judgment, and belief. This course teaches techniques for thinking and acting creatively, objectively, and clearly.

Class: ACCT 1110 Principles of Accounting I

Semester: Fall

High School Credit: .5 credit

College Credit: 4 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Course Description: This course is an introduction to the fundamental accounting concepts and principles used to analyze and record business transactions. Topics include the accounting cycle, accounting for a

merchandising business, accounting system design, inventory and depreciation methods, calculating payroll.

Class: BIOL 2256 Advance Physiology

Semester: Fall

High School Credit: .5 credit

College Credit: 2 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Course Description: This course will increase students' understanding of the mechanisms involved in the normal functioning of the human body, with lesser emphasis regarding the effects of disease on that function. Focus is on the interaction and integration of body processes. This course requires a thorough knowledge of basic anatomy and physiology.

Class: COMT 1107 Introduction to Computer Technology

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Course Description: Topics associated with computers and computing: input/output; central processing unit; storage devices; programming languages; operating systems; PC software programs; security and privacy issues and, trends in computing.

Class: ENER 1300 Intro to Energy Efficiency and Management

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Course Description: Students in this course will learn the tools to prioritize potential energy efficiency measures based on both cost effectiveness and impact on the environment. Topics include: utility rate analysis, cost estimating, analysis of energy efficiency measures, environmental and pollutant analysis, financing options, simulation tools, and associate software. Objectives and components of an effective energy management program are explored.

Class: HLTH 1106 Medical Terminology

Semester: Fall

High School Credit: .5 credit

College Credit: 2 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Course Description: This course covers prefixes, suffixes, and word roots used to compose medical terms. Students learn to spell, pronounce, define, analyze, and formulate terminology related to body structure, disease, diagnosis, and treatment. Medical abbreviations are also covered.

Class: Medical Terminology

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Career and Technical Course

College Offering: MState

Course Description: This course covers prefixes, suffixes and root words used to compose medical terms. The student learns to spell, pronounce, define, analyze and formulate terminology related to body structure, disease, diagnosis and treatment. Medical abbreviations are also included.

Class: Western Civilization

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: General Education

College Offering: MState

Course Description: Meets MnTC Goal Areas 5 and 8. This course provides a discussion of the political, economic, cultural and social factors which have shaped the history of the Western world. Topics include the Renaissance, the rise of capitalism, the Reformation, the emergence of nation states and the Age of Absolutism.

Class: General Psychology

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: General Education

College Offering: MState

Course Description: This is a comprehensive introductory overview of psychology that studies human behavior and mental processes. Topics include research methods, the history of psychology, theories of human behavior, the physiological basis of behavior, sensation, perception, behavioral learning, memory, problem solving, language development, personality theory, intelligence, the influence of groups on the behavior of individuals and altered states of consciousness such as sleep and dreams.

Class: Introduction to Public Speaking

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: General Education

College Offering: MState

Course Description: This course clarifies the process of oral communication, clarifies the basic principles of public speaking and allows the student to increase the application of these principles while both speaking and listening.

Class: Social Problems

Semester: Fall

High School Credit: .5 credit

College Credit: 3 credits

Course Type: General Education

College Offering: MState

Course Description: This course stresses acquiring an enriched understanding of social issues and prospects for improving them. Students will investigate social trends and factors affecting social problems, contrast sociological perspectives of social problems, deal constructively with information and ideas associated with social issues, examine the ethical dimensions inherent in problem definition and intervention design, and define personal and public responsibilities in relation to select social issues. Social issues covered may include parenting and family issues; crime, delinquency and violence; aging, health and healthcare issues; poverty and inequality; cultural pluralism; urban growth and population; environmental issues; sexual issues; and global issues.

SPRING 2012-2013

Class: ACCT 1112 Principles of Accounting II

Semester: Spring

High School Credit: .5 credit

College Credit: 4 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Prerequisite(s): ACCT 1110

Course Description: This course covers the accounting principles and concepts applicable to various capital structures. Additional topics may be covered.

Class: BIOL 1131 Nutrition

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Course Description: This course is designed to introduce the student to the science of nutrition, the study of food nutrients and other substances, their action, interaction, and balance. Special emphasis is placed on the interrelationship between diet, nutrition, health, and disease.

Class: HLTH 1106 Medical Terminology

Semester: Spring

High School Credit: .5 credit

College Credit: 2 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Course Description: This course covers prefixes, suffixes, and word roots used to compose medical terms. Students learn to spell, pronounce, define, analyze, and formulate terminology related to body structure, disease, diagnosis, and treatment. Medical abbreviations are also covered.

Class: LENF 1607 Intro to Criminal Justice

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Career and Technical Course

College Offering: Alexandria Technical and Community College

Course Description: This course introduces the student to the criminal justice system. This includes the three components of the criminal justice system: policing, courts, and corrections. The student learns how the three components are connected and related. The course includes issues of history, changing

society, and advances in technology. Additionally, the course introduces the student to modern law enforcement patrol procedures and tactics and performance of law enforcement duties in a competent and professional manner. Emphasis is on day-to-day duties, routine assignments, and overall objectives of a law enforcement officer in a patrol environment. This course meets related MN POST Board learning objectives.

Class: MEDR 1618 Computer Assisted Drafting 3D

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Career and Technical Course

College Offering: Alexandria Technical and Community College

Course Description: This course is an introduction to the solid modeling methods and software used in the field of engineering and drafting. The learner makes virtual solid models and drawings using AutoCAD Inventor software. The learner uses state-of-the-art computers and software to gain an understanding of processes and procedures involved. (Note: \$25 surcharge for delivery of laptop.)

Class: MKTG 1100 Principles of Marketing

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Career and Technical Course

College Offering: Northland Community and Technical College

Course Description: This course introduces learners to the dynamic field of marketing. This course is a comprehensive study of the marketing principles and concepts and their application to a changing business world.

Class: BIOL 2254 Anatomy and Physiology II

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 3

College Offering: Northland Community and Technical College

Prerequisites: BIOL2252 or Anatomy & Physiology I

Course Description: This course is a comprehensive overview of human anatomy and physiology. Study of the cells, tissues, and organs of the endocrine, circulatory, lymphatic, respiratory, digestive, excretory, and reproductive systems. This course includes a laboratory component.

Class: COMM 1415 Public Speaking

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 1

College Offering: Alexandria Technical and Community College

Course Description: This course covers the theories, practices, and methods of public speaking, group problem solving, critical listening, and critiquing. The focus in this course is on the concepts of planning and delivering oral presentations and enhancing learner listening skills.

Class: ECON 1404 Consumer Economics and Finance

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 5 and 9

College Offering: Alexandria Technical and Community College

Course Description: Economics is the study of financial decision making. This course covers income and financial planning. A personal financial plan is developed to include asset acquisition, risk management, investment and retirement planning, and budgeting.

Class: HIST 1421 World History 1500 to Present

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 5 and 8

College Offering: Alexandria Technical and Community College

Course Description: This course is designed to provide an overview of world history in the time period 1500 to the present day. Interpretations will focus on the political, social, economic, and cultural development of the world civilizations.

Class: HIST 2210 Minnesota History

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 5

College Offering: Northland Community and Technical College

Course Description: The course provides an analysis of Minnesota's past beginning with geologic factors that influenced our heritage, an overview of Native Americans, and developments to the present. Areas covered include the

period of French exploration and the fur trade, English domination, Minnesota from territorial status on through modern statehood.

Class: MATH 1080 Intro to Statistics

Semester: Spring

High School Credit: .5 credit

College Credit: 4 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 4

College Offering: Northland Community and Technical College

Prerequisites: Passing score on Placement Assessment ACT - Pre-Algebra test.

Course Description: Concepts and application of descriptive and inferential statistics. Measures of central tendency and variance: z-scores and percentiles, normal distribution and central limit theorem. Estimation, hypothesis testing, t and z tests, chi-square tests, analysis of variance (ANOVA), and linear regression.

Class: PSYC 1405 Life Span Psychology

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 5

College Offering: Alexandria Technical and Community College

Prerequisites: College level reading score on a placement test or a minimum grade of "C" in College Prep Reading (READ0355). Strongly recommended: PSYC1445

Course Description: This course surveys human development from the life span perspective including theories, stages, and influences of development. This course views the individual from conception to death through physical, social, emotional, and mental development.

Class: SOCS 1402 Social Problems

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Minnesota Transfer Curriculum Course

MnTC Goal Area: 5 and 7

College Offering: Alexandria Technical and Community College

Course Description: This course is an examination of social problems in a global context with emphasis on causes, conditions, consequences, and alternative methods of intervention. Much of the course focuses on a topical problem that students analyze and become actively involved in resolving. Issues

may include poverty, racism, sexism, environmental challenges, violence, drug use/abuse, homelessness, physical and sexual abuse, and global issues.

Class: Medical Terminology

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: Career and Technical Education

College Offering: MState

Course Description: This course covers prefixes, suffixes and root words used to compose medical terms. The student learns to spell, pronounce, define, analyze and formulate terminology related to body structure, disease, diagnosis and treatment. Medical abbreviations are also included.

Class: Human Anatomy and Physiology I

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: General Education

College Offering: MState

Course Description: This course is a comprehensive introductory overview of human anatomy and physiology that includes basic fundamental concepts of cell biology, tissues and organs making up the integumentary, skeletal, muscular and nervous systems. It is the first of a two-semester sequence in which anatomy and physiology are studied with an emphasis on structure and functions of systems. This course contains a lab-like component. **Prerequisite:** Assessment into ENGL 1101 or college level writing equivalent. **Corequisite:** BIOL 2251

Class: College Algebra

Semester: Spring

High School Credit: .5 credit

College Credit: 4 credits

Course Type: General Education

College Offering: MState

Course Description: This course includes rational, polynomial, exponential, logarithmic, inverse and quadratic functions. The course also includes equations, inequalities, complex numbers and systems of linear equations. Additional topics may include matrices and determinants. **Prerequisite:** MATH1020 or by placement test

Class: Developmental Psychology

Semester: Spring

High School Credit: .5 credit

College Credit: 4 credits

Course Type: General Education

College Offering: MState

Course Description: Study of human development from the life span perspective, including theories, stages and influences of development. The course views the individual from conception to death through physical, social, emotional and mental development.

Class: Fundamentals Concepts of Chemistry

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: General Education

College Offering: MState

Course Description: Course deals with substances, their structures and properties, the changes they undergo and the laws that govern those changes. Intended for prospective elementary teachers, non-science majors and those who need background for General Chemistry. This course includes a lab.

Prerequisite: MATH0090 and Math 0090 OR assessed into a higher math.

Class: Principles of Nutrition

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: General Education

College Offering: MState

Course Description: This course is a study of the fundamental principles of nutrition. This course will cover food composition, diet planning, utilization of food nutrients in the body and the requirements for nutrients in infancy, childhood, teen years, athletes, adults and the elderly. Also included are discussions about current trends in nutrition, the relationship of diet and disease, and cultural differences in dietary practices. Using the basic principles of nutrition, students will have a lab-like experience tracking, measuring, calculating and analyzing their diet and presenting the results in a written analytical report. **Prerequisite:** CHEM1100 or CHEM1111 or BIOL1111 or BIOL2230 or instructor permission.

Class: World Geography

Semester: Spring

High School Credit: .5 credit

College Credit: 3 credits

Course Type: General Education

College Offering: MState

Course Description: Students will gain an understanding and appreciation of

the spatial relationship of the physical and human elements of our world with an emphasis on the interdependence of nations and peoples. Geography describes the earth's environments and gives character to places through words, maps and graphics, and this course will explore these elements and their contributions to the diversity of world geographics. Students will become aware of how the world and the earth's people interact in local regions and in patterns around the globe.