

# **UNDERWOOD HIGH SCHOOL**



## **COURSE CATALOG**

**2017-2018**

## ART

**Class:** Foundations of Art

**Length/Credits:** 1 trimester (.33 credits)

**Offered to:** 9<sup>th</sup> grade

**Graduation Requirement:** No

**Offered With:** Industrial Arts 9 and Careers 9

**Prerequisites:** none

**Course Description:** In this class students will be introduced to a wide variety of mediums in exploring their own artistic expression. An overview of the elements of art and principles of design will be provided, lending themselves as the basic structure in problem-solving approaches to visual exploration. The course will also deal with artists/movements and their impact to the arts. Students will be exposed to the fundamentals of art criticism, evaluation and art history.

**Class:** Graphic Arts

**Length/Credits:** Half year - 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

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

**Prerequisites:** none

**Course Description:** This class will give students the knowledge and skills to create computer-generated art. Focusing on Pixelmator, a Mac computer graphic program, students will learn the principles needed for working in computer design. Projects range from creating abstract art to business geared applications.

**Class:** Drawing and Painting

**Length/Credits:** Half year - 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

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

**Prerequisites:** none

**Course Description:** In this class, students will focus mainly in the drawing and painting fields, with a variety of techniques and mediums explored. The elements of art and principles of design will be an important part of the class. The students will learn how important drawing and painting are, while at the same time gaining knowledge in their history. As a part of the class, students will continue to understand art criticism and its effectiveness in evaluation and developing artwork.

**Class:** Ceramics

**Length/Credits:** Half year - 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

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

**Prerequisites:** none

**Course Description:** This class is a study of form in clay. It explores a variety of techniques and skills in creating clay and sculptural forms. Students will learn terms, styles, processes, and

approaches to clay. The elements of art and principles of design will be stressed as they are applied to form and surface decoration. Historical and present references will be explored and applied as they pertain to function and non-functional pieces.

**Class:** Fiber Arts

**Length/Credits:** Half year - 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

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

**Prerequisites:** none

**Course Description:** This course is an introduction to the diversity of textile arts. Students learn hands-on processes, such as, knitting, dyeing, sewing, and weaving. After initial experimentation with time-honored techniques, students are encouraged to push the boundaries of the media, using traditional and nontraditional materials. Students will need to bring some material for this class. Students will need to have 10 t-shirts (old or new) and materials for a 4' x 5' quilt.

**Class:** Yearbook

**Length/Credits:** Half year - 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

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

**Prerequisites:** 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.

**Course Description:** Yearbook will focus on the planning, creation, selling, financing, and distribution of Underwood School's annual Yearbook. The finished product will be completely student-generated. Yearbook design includes creating aesthetically pleasing layouts, using enhanced graphics, and effectively using color. Integral to yearbook journalism is developing and carrying out a theme, both verbally and graphically, that suits Underwood School. Work outside of normal classroom hours to take photos will be necessary for this class.

**Class:** College Handbuilding Ceramics

**Length/Credits:** Half year - 1 semester (.5 credit)

**M State Credits:** 3 college credits; Meets MnTC Goal Area 6

**Offered to:** 10-12<sup>th</sup> grade

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

**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 Mr. Hartman. Typically only juniors and seniors are allowed in this college class.

**Course Description:** This course will develop the skills of ceramics, focusing on handbuilding. Using the methods of coil, pinching and slab building, the students will make a variety of forms, ranging from functional to sculptural. Students will create finished products, including the use of

glaze and other finishes. The nature of handbuilding techniques provides a more immediate opportunity to express creativity.

## 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 and 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 legalities related to the workplace.

**Class:** Economics (High School level)

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

**Graduation Requirement:** it is one option to fulfill your Economics requirement

**Prerequisites:** none

**Course Description:** This course covers information related to microeconomics and macroeconomics. In Microeconomics students will learn about the laws of supply and demand. Also we will learn how consumers and businesses react when supply and/or demand changes. In Macroeconomics students will learn about national and worldwide economics, including GDP, international trade, fiscal policy, monetary policy and the Federal Reserve.

**Class:** Personal Finance (High school level)

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** Course is articulated, students who earn a grade of "A" or "B" and entering a major at MState requiring this 3 credit course will have the class added to their college transcript

**Offered to:** 10-12<sup>th</sup> grade

**Graduation Requirement:** it is one option to fulfill your Personal Finance requirement

**Prerequisites:** none

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

**Class:** Business Topics (High School)

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

**Graduation Requirement:** no

**Prerequisites:** none

**Course Description:** Students will research, analyze, report, and present information about various business topics, such as economics, current events/news, technology and web design,

accounting and finance, business management, marketing, and human resources. In addition, students will participate in service learning activities and will work to grow their leadership skills.

**Class:** Accounting (High School)

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

**Graduation Requirement:** no

**Prerequisites:** none

**Course Description:** In Accounting we learn to complete the accounting cycle for a sole proprietorship in a service producing industry. Also potentially included is payroll accounting.

**Note:** This class may not be offered every year. This is offered as requested through the preregistration process.

**Class:** HTML/Web Design Coding (High School)

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

**M State Credits:** Course is articulated, students who earn a grade of "A" or "B" and entering a major at MState requiring this 3 credit course will have the class added to their college transcript

**Graduation Requirement:** no

**Prerequisites:** none

**Course Description:** In HTML, students will learn the computer languages XHTML and CSS 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.

**Note:** This class may not be offered every year. This is offered as requested through the preregistration process.

**Class:** Computer Applications (High School)

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** Course is articulated, students who earn a grade of "A" or "B" and entering a major at MState requiring this 1 credit course will have the class added to their college transcript

**Offered to:** 10-12<sup>th</sup> grade

**Graduation Requirement:** no

**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 may not be offered every year. This is offered as requested through the preregistration process.

**Class:** College Microeconomics

**Offered:** Odd Years - Ex. 2015-16, 2017-18, 2019-2020, etc.

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 3 college credits; Meets MnTC Goal Area 2, 5, and 9

**Offered to:** 11-12<sup>th</sup> grade

**Graduation Requirement:** it is one option to fulfill your Economics requirement

**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. Typically only juniors and seniors are allowed in this college class.

**Course Description:** Microeconomics stresses the concepts of scarcity, production possibilities, supply and demand curves, elastic and inelastic goods and services, competition, monopolies, oligopolies, poverty and income distribution in the United States. In general, microeconomics examines the functioning of individual industries and the behavior of the individual. During this course we will touch on Macroeconomics so that the high school economics requirements are covered.

**Class:** College Personal Finance

**Offered:** Odd Years - Ex. 2015-16, 2017-18, 2019-2020, etc.

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 3 college credits

**Offered to:** 11-12<sup>th</sup> grade

**Graduation Requirement:** it is one option to fulfill your Personal Finance requirement

**Prerequisites:** Economics or College Economics, along with a passing score on the reading portions of the Accuplacer; GPA of 2.8 for Seniors, GPA of 3.2 for Juniors; approval from Mrs. Hartman. Typically only juniors and seniors are allowed in this college class.

**Course Description:** This course is an introduction to personal financial management and planning. Topics covered include key factors that affect personal income, budgeting, cash-flow management, use of credit and credit cards, planned borrowing, managing taxes and major expenditures including housing, automobiles, insurance and investments.

**Class:** College Macroeconomics

**Offered:** Even Years - Ex. 2016-17, 2018-19, 2020-2021, etc.

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 3 college credits; Meets MnTC Goal Area 2 and 5

**Offered to:** 11-12<sup>th</sup> grade

**Graduation Requirement:** it is one option to fulfill your Economics requirement

**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. Typically only juniors and seniors are allowed in this college class.

**Course Description:** In Macroeconomics we will study economic principles as they relate to determinants of national income, national income accounting, business cycles, unemployment, inflation and aggregate expenditures. The course also examines macroeconomic policy and provides information to gain further understanding in the areas of fiscal policy, financial markets, money and banking, monetary policy, international policy and the varying viewpoints that have evolved throughout history, including the Keynesian and Monetarist schools of thought. During this course we will touch on Microeconomics so that the high school economics requirements are covered.

**Class:** College Careers II

**Offered:** Even Years - Ex. 2016-17, 2018-19, 2020-2021, etc.

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 3 total college credits; PDEV1112 (1 credit) and PDEV1113 (2 credits)

**Offered to:** 11-12<sup>th</sup> grade

**Graduation Requirement:** no

**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. Typically only juniors and seniors are allowed in this college class.

**Course Description:** Students will work to develop career exploration skills and strategies through self-exploration, cultural perceptions, and career and major identification. Students will identify major/career possibilities. Then they will develop the application, resume writing, interviewing and job maintenance skills needed to conduct an effective job search.



## ENGLISH

**Class:** English 9

**Length/Credits:** Full Year – 2 semesters (1 credit)

**Offered to:** 9<sup>th</sup> 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, various short stories, and *Romeo and Juliet*. Students will also work on perfecting the writing process from outline, to rough draft, to final essay, while incorporating vocabulary, spelling and grammar throughout the year.

**Class:** 10th grade English

**Length/Credits:** Full year- 2 semesters (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:** Ms. Simmons

**Course Description:** The overall goal for students in English 10 is to grow as thinkers, readers, writers, creators, producers, and thoughtful and informed students. We will be analyzing various texts and delve into the writing process to enhance our questioning, reflection, and critical thinking skills. You can expect to study, among many other things, vocabulary, various current and relevant topics with Article of the Week, public speaking skills, *The Great Gatsby*, *To Kill a Mockingbird*, poetry, and short stories.

**Class:** Journalism

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> Grade

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

**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:** Ms. Simmons

**Course Description:** As well as learning about and practicing good Journalism, the members of this class will be responsible for writing, editing, and publishing the school's newspaper. This includes 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, be comfortable editing others' work and having their own work edited.

**Class:** Public Speaking

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 11-12<sup>th</sup> Grade

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

**Prerequisites:** Successful completion of 10th grade English

**Teacher:** Ms. Simmons

**Course Description:** This class will learn about the basics of public speaking as well as write and perform a number of speeches, as well as learning about and breaking down the anxiety that often comes along with public speaking. Some of the speeches include but are not limited to: informative, persuasive, pro/con, demonstration, toasts, graduation, 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:** Poetry

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> Grade

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

**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. Frie

**Course Description:** Students in this class will write many different types of poetry, and the final product of the semester 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:** British Literature

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 11th and 12th Grade Students

**Teacher:** Mrs. Frie

**Course Description:** Did you know British Literature is not just Shakespeare? Have you heard of King Arthur, Sir Lancelot, or Beowulf? These are just a couple of examples of stories/tales we will cover in this course. This course examines literature written by British writers that shaped their personal discovery, issues of the times, and events. We will cover time periods, authors, and works that influenced times then and continue literature today. We will cover a number of genres, starting with epic poems, moving to tales, poetry, and drama.

**Class:** Intro to College Writing

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 11-12<sup>th</sup> Grade

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

**Prerequisites:** Successful completion of 10th grade English

**Teacher:** Mrs. Frie

**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:** Fiction - Nonfiction

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> Grade

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

**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. Frie

**Course Description:** Students in this class will focus on different genres of literature. Both fiction and nonfiction pieces will be used. We read some selections 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:** College Writing I

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 3 college credits; Meets MnTC Goal Area 1

**Offered to:** 12<sup>th</sup> Grade

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

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

**Teacher:** Mrs. Frie

**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 about six essays. 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 Writing 2: Writing About Literature

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 3 college credits; Meets MnTC Goal Area 1

**Offered to:** 12<sup>th</sup> Grade

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

**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. Frie. Only seniors are allowed in this class.

**Teacher:** Mrs. Frie

**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.

## INDUSTRIAL TECHNOLOGY

**Class:** Basic Auto and Woodworking (Industrial Arts 9)

**Length/Credits:** 1 trimester (.33 credits)

**Offered to:** 9<sup>th</sup> grade

**Graduation Requirement:** No

**Offered With:** Production Art 9 and Careers 9

**Prerequisites:** 7<sup>th</sup> Drafting and 8<sup>th</sup> 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- 2 semesters (1 credit) – If taken for one hour

Full year- 4 semesters (2 credits) – If taken for both hours

**Offered to:** 10-12<sup>th</sup> 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

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> 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.

**Class:** Welding

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10-12<sup>th</sup> grade

**Graduation Requirement:** No

**Prerequisites:** None

**Course Description:** 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 – 2 semesters (1 credit)

**Offered to:** 9<sup>th</sup> grade or 10<sup>th</sup> 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 – 2 semesters (1 credit)

**Offered to:** 10<sup>th</sup> grade or 11<sup>th</sup> 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:** Transitional Math

**Length/Credits:** Full year – 2 semesters (1 credit)

**Offered to:** 11<sup>th</sup> and 12<sup>th</sup> Grade

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

**Prerequisites:** Algebra II and/or Geometry

**Teacher:** Mr. Woodman or Mr. Meece

**Required Items:** Pencil, Paper, scientific or graphing calculator

**Topics Covered:** Topics covered will prepare successful student to take College Algebra and will include:

1st Semester

- Linear Equations
- Graphing Linear Equations and Inequalities
- Properties of Exponents
- Polynomials and Factoring
- Rational Expressions

2nd Semester

- Compound Inequalities and Systems of Equations
- Radicals
- Quadratics
- Rational Equations and Applications
- Functions

**Class:** Math in the Real World

**Length/Credits:** Full year – 2 trimesters (1 credit)

**Offered to:** 12<sup>th</sup> Grade

**Required Items:** Pencil, paper, and scientific calculator

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

**Prerequisites:** None

**Teacher:** Mr. Meece

**Course Description:** Math in the Real World applies basic algebraic and geometric concepts to the world around you.

**Class:** College Algebra

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 4 college credits; Meets MnTC Goal Area 2 or 4

**Offered to:** 11<sup>th</sup> and 12<sup>th</sup>

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

**Prerequisites:** Successful completion of Advanced Algebra; A passing score on the Accuplacer; a passing score on the Accuplacer; GPA of 2.8 for Seniors, GPA of 3.2 for Juniors. Only juniors and seniors are allowed in this college class.

**Teacher:** Mr. Woodman

**Required Items:** Pencil, Paper, scientific or graphing calculator

**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.

**Class:** College Elementary Statistics

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 4 college credits; Meets MnTC Goal Area 2 or 4

**Offered to:** 11<sup>th</sup> (and 12<sup>th</sup>)

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

**Prerequisites:** Successful completion of Advanced Algebra; A passing score on the Accuplacer; a passing score on the Accuplacer; GPA of 2.8 for Seniors, GPA of 3.2 for Juniors. Only juniors and seniors are allowed in this college class.

**Teacher:** Mr. Woodman

**Required Items:** Pencil, Paper, scientific or graphing calculator

**Course Description:** Topics covered include organizing, summarizing, and representing data using frequency distributions and graphs. Use probability properties and counting techniques, analyzing characteristics of the normal distribution, confidence intervals, and perform a linear correlation and regression analysis.

**Class:** College Functions and Trigonometry

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 4 college credits; Meets MnTC Goal Area 2 or 4



**Offered to:** 12<sup>th</sup>

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

**Prerequisites:** Successful completion of Advanced Algebra; A passing score on the Accuplacer; GPA of 2.8. Only seniors are allowed in this class.

**Teacher:** Mr. Woodman

**Required Items:** Pencil, Paper, scientific or graphing calculator

**Course Description:** Topics include trigonometric functions, right triangle trigonometry, radian measure and circular functions, identities, equations, inverse functions, laws of cosines and sines. Optional topics may include complex numbers, vectors and polar coordinates. ***graphing calculator, TI-83 or TI-84 recommended.***

**Class:** College Calculus I (college ID MATH 1134)

**Length/Credits:** 1 semester (.5 credit)

**M State Credits:** 5 college credits; Meets MnTC Goal Area 2 or 4

**Offered to:** 12<sup>th</sup>

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

**Prerequisites:** College Algebra (MATH 1114), College Trig (MATH 1115) or placement exam. Students need to have a solid background in college algebra and trigonometry. A passing score on the Accuplacer; GPA of 2.8. Only seniors are allowed in this class.

**Teacher:** Mr. Woodman

**Required Items:** Pencil, Paper, scientific or graphing calculator

**Course Description:** This course includes limits and continuity, derivatives, definite and indefinite integrals of algebraic, trigonometric, exponential and logarithmic functions, and applications of the derivative and definite integral. ***Graphing calculator, TI-83 or TI-84 recommended.***

## MUSIC

**Class:** Band

**Length/Credits:** Full Year – 2 semesters (.5 credit)

**Offered to:** 9<sup>th</sup> – 12<sup>th</sup> Grade

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

**Teacher:** Mr. Pelanek

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

**Course Description:** Band is an excellent opportunity for musicians to continue developing their musical skills, both individually and as part of an ensemble. Band members will have the opportunity to play for the Marching Band, Pep Bands, Show Choir Band, Solo & Ensemble, Large Group band contest, the Winter Concert and our Spring Pops Concert. The Underwood Band will also be asked to perform for other community events throughout the year. A variety of musical styles are explored in this performance-based class. Students are required to practice and are expected to attend individual and group lessons during the course of the year. Lessons, as well as participation, effort and attendance will account for 50% of the grade. Performances throughout the year will make up the other 50%.

**Class:** Choir

**Length/Credits:** Full Year – 2 semesters (.5 credit)

**Offered to:** 9<sup>th</sup> – 12<sup>th</sup> Grade

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

**Teacher:** Ms. 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 singing music from various genres and styles, instruction on how to sing correctly and to develop their voice, instruction on how to read a choral score, instruction on adding movement and choreography, part singing, and solo opportunities. Students will perform at two concerts, Large Group Contest, and other scheduled community performances throughout the school year. Students will also have the **option** to participate in Solo/Ensemble and Show Choir. They will also have the **option** to travel and perform with the Choir at national music festivals and on overnight music trips. **Students must be enrolled in the Choir for the full academic year in order to travel.** Students are required to attend bi-weekly individual and group lessons during the course of the year. Lessons, active participation, attendance, and music theory assessments will account for 50% of the grade. Performances throughout the year will make up the other 50%. This is a performance-based class.

## PHYSICAL EDUCATION

**Class:** PE 9

**Length/Credits:** 2 Trimesters (.67 credit)

**Offered to:** 9th Grade

**Graduation Requirement:** Yes

**Offered with:** Health 9

**Teacher:** 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. Arneson

**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

**Length/Credits:** Full year – 2 semesters (1 credit)

**Offered to:** 10-12<sup>th</sup> 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:** Physical Science

**Length/Credits:** Full year- 2 semesters (1 credit)

**Offered to:** 9<sup>th</sup> grade

**Graduation Requirement:** Yes

**Teacher:** Mr. Ross

**Course Description:** This course covers a wide variety of topics from basic chemistry to motion, forces, light, sound and energy. It is designed to give each student a solid scientific foundation upon which to build future scientific education. This course satisfies the physics/chemistry credit needed to graduate.

**Class:** Biology

**Length/Credits:** Full year- 2 semesters (1 credit)

**Offered to:** 10<sup>th</sup> grade

**Graduation Requirement:** Yes

**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- 2 semesters (1 credit)

**Offered:** Even Years - Ex. 2016-17, 2018-19, 2020-2021, etc.

**Offered to:** 11<sup>th</sup> -12<sup>th</sup> grade

**Graduation Requirement:** it is one option to fulfill your 3<sup>rd</sup> Science credit

**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:** Physics

**Length/Credits:** Full year- 2 semesters (1 credit)

**Offered:** Odd Years - Ex. 2015-16, 2017-18, 2019-2020, etc

**Offered to:** 11<sup>th</sup> and 12<sup>th</sup> grade

**Graduation Requirement:** it is one option to fulfill your 3<sup>rd</sup> Science credit

**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:** Forensic Science

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 10<sup>th</sup> -12<sup>th</sup> grade

**Graduation Requirement:** no

**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:** 10<sup>th</sup> -12<sup>th</sup> grade

**Graduation Requirement:** no

**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.

## SOCIAL STUDIES

**Class:** Civics

**Length/Credits:** Full year- 2 semesters (1 credit)

**Offered to:** 9th grade

**Graduation Requirement:** Yes

**Prerequisites:** 7<sup>th</sup> and 8<sup>th</sup> grade social studies

**Teacher:** Ms. Clauson

**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:** US History

**Length/Credits:** Full year- 2 semesters (1 credit)

**Offered to:** 10<sup>th</sup> grade

**Graduation Requirement:** Yes

**Prerequisites:** 7<sup>th</sup>-9<sup>th</sup> grade social studies

**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:** World History

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 11<sup>th</sup> – 12<sup>th</sup> grade

**Graduation Requirement:** Yes

**Prerequisites:** 7<sup>th</sup>-10<sup>th</sup> grade social studies

**Teacher:** Mrs. Wallace and Mr. Olson

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

**Class:** World Geography

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 11<sup>th</sup> – 12<sup>th</sup> grade

**Graduation Requirement:** Yes

**Prerequisites:** 7<sup>th</sup>-10<sup>th</sup> grade social studies

**Teacher:** Mrs. Wallace

**Course Description:** In Geography we take a more thorough look at the world in which we live. We study countries, bodies of water, and learn about the cultural landscape that makes our world so interesting. We ask you to look at the world through different lenses and analyze the

cultures from various viewpoints. Lastly, we understand that there is so much more to your life than Underwood, Minnesota.

**Class:** Modern U.S. History

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 11th and 12 grade

**Graduation Requirement:** No

**Prerequisites:** none

**Teacher:** Mrs. Wallace

**Course Description:** This course will explore the themes of History that were not studied in earlier courses. Plan to study the Cold War, JFK, Civil Rights Movement, all the way into the 21st century. Also, we will discuss where we currently sit in the world's cultural landscape and what is in the hearts and on the minds of American citizens.

**Class:** Psychology

**Length/Credits:** 1 semester (.5 credit)

**Offered to:** 11th and 12 grade

**Graduation Requirement:** No

**Prerequisites:** none

**Teacher:** Mrs. Wallace

**Course Description:** In Psychology 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- 2 semesters (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 Total Personal Response in Storytelling, Hispanic music are implemented along with other complementary materials to aid in the acquisition of the Spanish language. Spanish 1 students are given the opportunity to participate in a Cultural Collaborative project (meeting twice a year with three other schools). 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- 2 semesters (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. Spanish 2 students also get to participate in the Cultural Collaborative. 2 events throughout the year: One event is going to a Bilingual play. 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:** Spanish III

**Length/Credits:** Full year – 2 semesters (1credit)

**Offered to:** 11-12th 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 & II

**Course Description:** Students will continue with the knowledge of Spanish II to add to their expertise. Students will continue working on all tenses(past, present & future) as well as ‘fine tuning’ conversational skills. The same instructive tools will be implemented to aid in understanding of the Spanish Language. At this level, students are able to partake in several projects/assignments where they can work on their own using language skills previously learned. Students work more independently as they are able to communicate quite comfortably in their second language. \*\*Hopefully students taking this new course will be able to partake in the Cultural Collaborative too. 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.

**Note:** This course is offered when there is enough interest based on preregistration surveys.

**Class:** Chinese I (ITV)

**Length/Credits:** Full year- 2 semesters (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:** This course will introduce students to simplified Mandarin Chinese Language (what is used in the People’s Republic of China), as well as some Chinese culture. Students will work on their listening, speaking, reading and writing of Mandarin Chinese. Students will be introduced to PinYin Romanization (ni hao), tones(ní haǒ), and Chinese characters. Student will learn how to use a computer to type in Chinese. Ultimately, we hope students will acquire the language as a communication tool and become more aware of their global community.

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

**Class:** Chinese II (ITV)

**Length/Credits:** Full year- 2 semesters (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:** None

**Course Description:** This a continuation of Chinese I. This course will continue to teach students simplified Mandarin Chinese Language (what is used in the People's Republic of China), as well as some Chinese culture. Students will work on their listening, speaking, reading and writing of Mandarin Chinese. Students will be introduced to PinYin Romanization (ni hao), tones(ní haǒ), and Chinese characters. Student will learn how to use a computer to type in Chinese. Ultimately, we hope students will acquire the language as a communication tool and become more aware of their global community.

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

# **UNDERWOOD HIGH SCHOOL**



## **ONLINE COLLEGE OFFERINGS**

**2017-2018**

## 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**:
  - Reading – 78
  - Elementary Algebra – 76
  - College Level Math – 50

### 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
- Normandale Community College

## **MState Online Courses - Fall 2017**

### Career and Technical Courses:

- ACCT 1101 - Payroll

### General Education/MnTC Courses:

- ANTH 1100 - Introduction to Anthropology
- (BIOL 2260 - Human Anatomy and Physiology I)
- CHEM 1100 - Fundamental Concepts of Chemistry
- COMM 1120 - Introduction to Public Speaking
- COMM 1140 - Interpersonal Communication
- HIST 1111 - Western Civilization 1400's - 1600's
- PSYC 1200 - General Psychology
- SOC 1111 - Introduction to Sociology
- SOC 1113 - Social Problems

## **MState Online Courses - Spring 2018 (tentative)**

### Career and Technical Courses

- ACCT 1012 - Principles of Bookkeeping
- ACCT 1124 - Spreadsheet Applications
- CRJU 1101 - Intro to Criminal Justice

### General Education/MnTC Courses

- (BIOL 2260 - Anatomy and Physiology I)
- (BIOL 2262 - Anatomy and Physiology II)
- BIOL 1104 - Human Concerns
- BIOL 2202 - Principles of Nutrition
- CHEM 1100 - Fundamental Concepts of Chemistry
- COMM 1140 - Interpersonal Communications
- COMM 1120 - Public Speaking
- GEOG 1110 - World Geography
- HIST 2212 - American History - 19th Century
- MUSC 1118 - Rock and Pop Music
- PSYC 2222 - Developmental Psychology
- SOC 1111 - Introduction to Sociology

## **OCHS Online Courses - Fall 2017**

### Career and Technical Courses:

- Introduction to Agriculture
- Principles of Management
- Child Safety Health and Nutrition
- Technical Math
- Safety Awareness
- Networking I
- Introduction to Health Professions
- Medical Terminology
- Introduction to Computers
- Diversity Community Policing/Victimization
- Computer Assisted Drafting 2D (laptop included)

### MnTransfer Curriculum Courses:

- Introduction to Chemistry
- Public Speaking
- World Regional Geography
- World History to 1500
- Introduction to Philosophy
- Ethics
- American Government and Politics
- General Psychology
- Introduction to Sociology
- Beginning Spanish I
- Interpersonal Communications

## **OCHS Online Courses - Spring 2018**

### Career and Technical Courses:

- \* Principles of Accounting I
- Guiding-Managing the Physical and Social Environment
- Print Reading
- Maintenance Awareness
- Networking II
- Introduction to Web Concepts
- Juvenile Justice & Delinquency
- Medical Terminology
- Introduction to Computers

### MnTransfer Curriculum Courses:

- \* Cultural Anthropology
- Concepts of Biology
- Principles of Nutrition
- Microbiology
- Introduction to Film Studies
- World Regional Geography
- World History 1500-Present
- Minnesota History
- Life Span Psychology
- Abnormal Psychology
- Critical Thinking in Society
- Beginning Spanish II
- Public Speaking