

# OHDELA!

the ohio distance & electronic learning academy

## 2019-2020 High School Electives Choices

### **Physical Education - ½ credit (Required)**

Physical Education encompasses learning how to live and maintain a healthy lifestyle. This course covers physical fitness, why it is important, how to have a healthy attitude, and how to stick with a healthy game plan. In this ever-changing world, physical fitness becomes more important and more difficult to find the time for. This course allows the student to discover how to make physical fitness not only a part of their daily life, but also see that it is attainable. This course leads the student to discover healthy behaviors and sets the tone for physical fitness as well as healthy exercise. PE for a Healthy Lifestyle will examine the emotional, physical, and scientific factors that influence physical performance. This course is designed for anyone, ranging from the beginner to advanced abilities.

### **Health - ½ credit (Required)**

In this course, students acquire the knowledge and skills they need to lead a healthy life. Semester A focuses on the impact of personal decisions on the student's own health. Students learn how to find, evaluate, and use reliable information related to a variety of health topics. They also study the basic science behind nutrition, exercise, stress, and psychology, and examine how these factors affect a person's overall health. Each lesson in the course guides students in applying what they have learned in the lesson to their own lives and choices—and gives them a chance to discuss the topic with peers and instructors.

### **Creative Writing - ½ credit**

This creative writing class is about you – and all the characters, voices, and stories in your head. In this introductory class, you will explore poetry, drama, and short stories as a way to express, explore, and connect with yourself and the world around you. Writing will be examined as a process that reflects thinking. You will begin with brainstorming and pre-writing skills and move forward to various writing genres culminating in a short story at the end of the course. Poetry, plays, and short stories will be studied both as a reader and as a writer. Time will be spent developing characters and using dialogue productively. Come write and enjoy!

Prerequisites: English 1 & 2

### **Contemporary Novels - ½ credit**

For this course, students will read a set of novels and novellas that were written during the twentieth century and reflect themes common to contemporary literature, such as the ability of the human spirit to rise above seemingly impossible circumstances. Through creative projects and writing assignments, students will identify and analyze each novel's themes and also compare and

contrast the novels' treatment of common themes. Please note that, like most contemporary literature, the novels assigned for this course contain realistic situations and language. In addition to the novels listed, each student will read another contemporary novel of his or her choosing that the instructor must approve. MLA (Modern Language Association) documentation is required on all papers submitted.

Prerequisites: English 1 & 2

### **Precalculus A/B - 1 credit**

In this course, students will understand and apply concepts, graphs and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic and trigonometric. An emphasis will be placed on use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments, and on examinations.

Pre-Calculus Part B covers the major units of Introductory Trigonometry and Graphs, Trigonometric Equations and Identities, Analytical Trigonometry, Sequences and Series, Conic Sections and an Introduction to Calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

**Prerequisite: C or higher in Algebra 2 or Teacher Approval**

### **Chemistry A/B - 1 credit**

#### Semester A

In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

#### Semester B

It follows the Chemistry 1 A course. In Chemistry 1 B, students will investigate chemical bonding, thermochemistry, and acids and bases. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: organic chemistry, biochemistry, and nuclear chemistry. This course will also stress the important relationship between math and science. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

**Prerequisites: Biology and Physical Science**

## Physics A/B - 1 credit

### Semester A

Students begin their exploration of physics by reviewing the International System of Units (SI), scientific notation, and significant digits. They then learn to describe and analyze motion in one and two dimensions. Students learn about gravity and Newton's laws of motion before concluding the course with an examination of circular motion. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems. Throughout the course, students apply their understanding of physics by playing roles like science museum curator and elementary teacher.

### Semester B

Physics B continues the student's exploration of mechanics while also guiding them through some other important topics of physics. Students begin by exploring simple harmonic motion, wave properties, and optics. Students then learn the basics of thermodynamics and fluids. Afterwards, the students explore the principles of electricity and magnetism. Finally, students explore the area of physics known as Modern Physics, which includes topics such as the photoelectric effect, nuclear science, and relativity. This is a trig based course. It is assumed you know and can use trigonometry.

**Prerequisites: Biology and Physical Science, Algebra I**

## Anatomy and Physiology A/B - 1 credit

### Semester A

The aim of this course is to expand upon what was learned in your Biology class, while emphasizing the application of this material to human structures and functions. This course begins the study of human beings at the microscopic level and works its way up to an in-depth study of select organ systems. Special emphasis will be placed upon applying and demonstrating the information learned in this course through, not only tests and quizzes, but through special projects and collaboration as well.

### Semester B

Part B is designed to give the student an understanding of how structure and function are related in the human body. The student will study the human body from the cellular level to the organ system level. All of the major body systems will be studied in great detail. Additionally, biochemistry, cell biology, histology, biotechnology, bioethics, and pathology will also be studied. This course is highly recommended for students seeking a career in science or a health-related profession.

**Prerequisites: Biology and Physical Science**

## Psychology A/B - 1 credit

In Psychology A the student begins with a brief history of psychologists and their experimental methods. Next they examine personality theories. Then human development from the infant stage through adult stage is explored. Finally, the last

part of the course is about consciousness: sleep, dreams, and conscious-altering substances. Students are encouraged to increase their own self-awareness as they move through the course.

### **Sociology - ½ credit**

Sociology examines the basics of sociology, which is the study of society including individuals, human groups, and organizations. The course is divided into four main areas: the sociological perspective, social structures, inequality in society, and social institutions and change. Students will examine controversies around social change, inequality, gender, and race. The course revolves around an overview of the field with projects that offer the student a chance to explore from a sociologist's perspective.

### **Art Appreciation - ½ credit**

What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design, and explore how artists have used these elements and principles in the creation of art for centuries.

### **Art History- ½ credit**

This Art History course integrates the four components of art study: art production, historical and cultural context, critical process and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations demonstrating concepts learned.

### **Graphic Arts & Design - ½ credit**

Have you considered a career in the growing field of graphic arts? Are you interesting in learning more about the tools and technology used to create 21st century digital designs? This introductory course covers the basics of design elements, typography, color and spatial relationships as well as gives students a chance to use a wide variety of digital tools to create logos, digital flyers, marketing pieces and more. In addition, students are given an overview of the history and emergence of graphic design as an art form as they explore the growing field of graphic design as it relates to communication, advertising and marketing.

### **Media and Communication – ½ credit**

From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.

### **Music Appreciation – ½ credit**

Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

### **Geography and World Cultures (1 Credit)**

#### **Semester A**

The student will be taught to use the basic skills of map reading and development, geographic technology, and the recognition of geographic themes to make sense of the world. The course examines world regions including the nations, people, and cultures of the Americas and Western Europe.

#### **Semester B**

The second half of this course continues to teach the basic skills of map reading and development, the use of geographic technology, and the recognition of geographic themes. The focus examines the world regions, including the nations, people, and cultures of Central Europe and Northern Eurasia, Central and Southwest Asia, South Asia, Africa, East Asia, and the Pacific.

### **Theater Studies – ½ credit**

Have you ever wondered how a play goes from the playwright's mind all the way into a multi-million-dollar Broadway production? In this course, you'll learn the whole process! This course provides a thorough introduction to the theater by providing an overview of major topics in theater studies, with a blend of theoretical and practical lessons. In the first half of this course you will learn about the definitions of theater, theater history, and contemporary theatrical genres.!! The second half of the course will guide you through all of the elements of putting on a professional theatrical production. You will learn about the entire production process, from playwriting through opening night, including elements of technical theater, the rehearsal process, and audience response. Whether you're an aspiring actor, technician, director, or producer, or even just an avid theater goer, this course is for you.

### **French I - 1 credit**

This is an introductory course designed for students with little or no previous study of Spanish. The study of the language and culture of the French-speaking world leading to the ability to communicate in a range of situations and glean meaning from a variety of texts. Active participation is required and ability and willingness to memorize vocabulary and grammatical concepts.

### **French 2 - 1 credit**

French 2 is a continuation of the skills learned in French 1. The study of the language and culture of the French-speaking world leading to the ability to communicate in a range of situations and glean meaning from a variety of texts. Active participation is required and ability and willingness to memorize vocabulary and grammatical concepts. The emphasis of the course is on further development and refinement of the four language skills: listening, reading, writing and speaking, and on the culture of the French-speaking world. Students begin to apply the language in "real-life" situations such as having conversations in French.

- Prerequisites: Successful completion of French 1

### **Spanish I - 1 credit**

This is an introductory course designed for students with little or no previous study of Spanish. Some students in class might have studied Spanish in middle school, but have not grasped some of the important structures of the language. This course teaches basic language patterns and vocabulary. Repetition and comprehensible output are important components of this course. Focus is on all four language skills listening, reading, speaking and writing. Culture is an integral part of the course and is introduced through the use of media, readings and class discussions. In addition to written tests and quizzes, students may also be assessed by means of aural activities. Homework assignments are an integral part of this course; they reinforce concepts and skills introduced and explored in class, which enable students to participate in class in a meaningful way.

Active participation is required and ability and willingness to memorize vocabulary and grammatical concepts.

### **Spanish II - 1 credit**

Spanish II is a continuation of the skills learned in Spanish I. Students build on their knowledge of vocabulary and sentence structure and cultural aspects of the Spanish-speaking countries. The emphasis of the course is on further development and refinement of the four language skills: listening, reading, writing and speaking, and on the culture of the Spanish-speaking world. Students begin to apply the language in "real-life" situations such as having conversations in Spanish. Students can expect daily written assignments, homework, frequent quizzes and tests. Active participation is required. In addition to written tests, students are also assessed by means of oral activities.

Prerequisite: Successful completion of two semesters of Spanish I

### **Spanish III - 1 credit**

The Spanish III curriculum includes the study of culture and an in-depth study of complex grammar structures. It focuses on increasing fluency in the areas of speaking, reading, writing and listening comprehension. Emphasis will be placed on

interpersonal writing and speaking, interpretive listening and reading and presentational writing and speaking. Therefore, students actively participate and interact with others on a daily basis and do several written and oral presentations. Spanish 3 also involves the discussion and research of various aspects of culture in Spanish speaking world, including history, artists, writers, designers and Hispanics present in contemporary society.

Prerequisite: Successful completion of Spanish I and Spanish II.