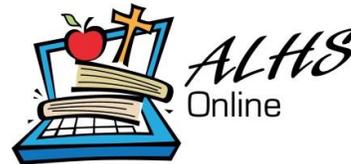


ALHS Online Course Descriptions

(Last revised: 01/07/21) (New courses or changes in blue font.)



Course syllabi/outlines for courses that have already been taught can be found on the www.alhso.org website under the *Resources* tab.

Remaining syllabi will be posted prior to the first offering of each course.

English

AP English: Literature & Composition – 1 credit, 2 semesters ("Advanced Placement" course)
(full-year course, every year)

Description: A two-semester course offered to college-bound seniors with above-average command of literature, language and grammar skills. The course requires multiple reading selections and critical analysis of plays, novels, poetry, and short stories. Through rigorous study, students will connect fictional literature and its elements to better understand universal themes and the bond between literature and history of the times. Through study and practice, students gain the understanding of the principles of effective writing and structures of writing for effective, intelligent communication of thought and understanding.

Prerequisites: Three years of high school English, including upper writing experience, such as research paper, with grades of B or above.

Grade Level: 12

British Literature – .5 credit, 1 semester (spring semester, every year) (New in 2021-22)

Description: British Literature is a one-semester junior or senior English elective. It is a chronological study of British literature over time, beginning with Anglo-Saxon England and some of the earliest known literature written in the English language, to contemporary 20th-century writings. Genres included are poetry, historical reports, short stories, and plays of established writers of England, Scotland, Wales, and Ireland. An emphasis will be placed on how the government, the church, and society impact the literature of any given age.

Prerequisites: Two years of high school English (B- or better)

Grade Level: 11-12

Creative Writing – .5 credit, 1 semester (spring semester, every year)

Description: This course explores the craft, process, and practicality of imaginative writing. Students will review the characteristics of a variety of genres and learn how to become aware of their own experiences as material for story, poem, or play. The course will provide a selection of professional and student-written writing samples, exercises, prompts, and discussion opportunities to introduce techniques and reinforce skills. Instruction will focus on demonstrating ways of expressing creativity within a structure needed to communicate to an audience. Students whose career goals require polished writing skills should take this course.

Prerequisites: B- or better in both semesters of previous year's required English course

Grade Level: 11-12

English 9 – 1 credit, 2 semesters (full-year course, every year) (New in 2021-22)

Description: This course will help students to develop intellectually, socially, and spiritually through a study of the language arts: reading, writing, listening, speaking, viewing, and visually representing. Reading strategies will be modeled and practiced through the reading of various forms of literature. Students will use the writing process as they produce various forms of writing. Finally, study skills are taught as students apply them to reading assignments, papers, presentations, projects, and other assignments across the curriculum.

Prerequisites: none

Grade Level: 9

English 10 – 1 credit, 2 semesters (full-year course, every year) (New in 2022-23)

Description: This course extends the skills learned and practiced in English 9 by examining the written forms of language as found in literature and the composing process. Students are introduced to many composition styles and thoroughly practice paragraph development while they study examples. The literature element of the course introduces students to the creative genre - fiction (both the novel and the short story), drama, and poetry. Students are led to analyze works of literature for structure and theme and to examine literary themes in the light of Scripture.

Prerequisites: English 9

Grade Level: 10

Science Fiction/Fantasy (SF) Literature – .5 credit, 1 semester (fall semester, every year)

Description: Time traveling aliens, robots, dragons, steampunk, and dystopian societies are all commonplace in science fiction and fantasy literature. Students in this course will identify various key characteristics of science fiction and fantasy as a genre and the subsequent sub-genres, survey the history & themes, explore SF as a platform for social expression and build an appreciation for the creative capacity of SF authors by delving into examples of SF literature from fan favorites like *The Hunger Games* trilogy to classics like Shelley's *Frankenstein*.

Prerequisites: Two years of art course (B- or better)

Grade Level: 11-12

Fine Arts

AP 2-D Art and Design – 1 credit, 2 semesters ("Advanced Placement" course) (full-year course, every year) (New in 2021-22)

Description: A college-level introductory course in two-dimensional design. Students refine and apply skills and ideas they develop throughout the course to produce a portfolio of work using various medias to demonstrate inquiry through art and design and development of materials, processes, and ideas.

Prerequisites: One year of studio art.

Grade Level: 11-12

Art and Architecture – .5 credit, 1 semester (spring semester even years: 2022-23, 2024-25 ...)

Description: Students will gain a better understanding of how cultural heritage and beliefs influence architectural style. They will evaluate and analyze various examples of architecture found in churches and castles in Germany as well as local architecture. Students will choose a style of architecture for inspiration and then use art and design skills to create authentic architectural blueprints, conceptual plans, and 3D models digitally and with paper products.

Prerequisites: None

Grade Level: 9-12

Art: Creative Process – .5 credit, 1 semester (fall semester even years: 2022-23, 2024-25 ...)

Description: This course will allow students to discover the creative process in a variety of art forms from theater, music, dance, cinema, game design, photography, sculpture, fashion, and architecture. Students will visit online galleries, create artworks, and research a contemporary artist.

Prerequisites: None

Grade Level: 9-12

Da Vinci Club – .5 credit, 1 semester (fall semester odd years: 2021-22, 2023-24 ...)

Description: Flying machines, hydraulic lifts, anemometers, canons, scuba gear, robotic knights are just a few of the inventions created by Leonardo da Vinci. What does it take to be an inventor? This hands-on course will explore how to use science, technology, engineering, art, and math (STEAM) to create innovative inventions, and will incorporate experimental activities that promote creativity and critical thinking.

Prerequisites: None

Grade Level: 9-12

Digital Photography – .5 credit, 1 semester (spring semester odd years: 2021-22, 2023-24 ...)

Description: In this introductory course, students will learn the basic principles of digital photography and photography techniques to create works of art using a digital camera or phone camera.

Prerequisites: None

Grade Level: 9-12

Mathematics

Pre-Algebra: – 1 credit, 2 semesters (full-year course, every year)

Description: A two-semester course that provides the necessary foundation for students to continue mathematics at the algebraic level. Course content includes properties and operations of real numbers, graphs, number sets, measurement, factors and multiples, expressions and equations.

Students are also introduced to algebraic and geometric concepts as well as probability and statistics. Through successful completion of this course students will be prepared to take Algebra 1

Prerequisites: None

Grade Level: 7-9

Algebra 1 – 1 credit, 2 semesters (full-year course, every year)

Description: A two-semester course for students who have demonstrated mastery of skills found in practical math and pre-algebra. It is designed to further develop basic algebraic problem-solving skills and mathematical reasoning in the student. This course provides a basis in the study of exponents, linear equations and functions (including graphing), quadratics, polynomials, as well as other skills necessary for success in geometry and advanced algebra.

Prerequisites: Pre-Algebra

Grade Level: 7-10

Geometry – 1 credit, 2 semesters (full-year course, every year)

Description: A two-semester course for students who have demonstrated mastery of skills found in high school algebra. Course content includes perspective, space, dimension, application and calculation of measurements, and an introduction to trigonometry. Students will use their own logic along with key geometry theorems to create proofs and constructions.

Prerequisites: “B” average or better in Algebra 1

Grade Level: 8-11

Algebra 2 – 1 credit, 2 semesters (full-year course, every year) (New in 2021-22)

Description: A two-semester course for students who have demonstrated mastery of skills found in Geometry and Algebra 1. Course content includes rational functions, matrices, polynomials, factoring, logarithms, and basic trigonometry concepts. Students will develop mastery in simplifying expression, transforming functions, and solving equations algebraically and graphically. Through successful completion of this course students will be prepared to take an advanced mathematics course.

Prerequisites: Geometry

Grade Level: 8-12

Religion

How the Church Grows Close to Home (Acts 1-8) – .5 credit, 1 semester (fall semester odd years: 2021-22, 2023-24 ...) (Not offered 2021-22 to make room for new OT course)

Description: A careful examination of the spread and growth of the Christian Church in the First Century as recorded in the book of Acts, chapters 1-8. This study will also provide a framework for understanding the epistles of the New Testament.

Prerequisites: None

Grade Level: 9-12

How the Church Grows in the World (Acts 9-28) – .5 credit, 1 semester (spring semester odd years: 2024-22, 2023-24 ...) (Not offered 2021-22 to make room for new OT course)

Description: A careful examination of the spread and growth of the Christian Church in the First Century as recorded in the book of Acts, chapters 9-28. This study will also provide a framework for understanding the epistles of the New Testament.

Prerequisites: None

Grade Level: 9-12

Life of Christ in the Synoptic Gospels – .5 credit, 1 semester (fall semester even years: 2022-23, 2024-25 ...)

Description: An in-depth study of the life and ministry of our Savior as recorded in the Gospels of Matthew, Mark, and Luke. Each of the Gospels will be studied in detail to gain an appreciation for the special insights each provides and to understand the unique purpose for which each was written.

Prerequisites: None

Grade Level: 9-12

Life of Christ in the Autoptic Gospel – .5 credit, 1 semester (spring semester even years: 2022-23, 2024-25 ...)

Description: Insights into the life and ministry of our Savior as recorded by an eyewitness. The Gospel of John will be studied in detail to gain an appreciation for its special emphases.

Prerequisites: None

Grade Level: 9-12

Old Testament History, Digging Deeper – .5 credit, 1 semester (fall semester odd years: 2021-22, 2023-24 ...) (New in 2021-22)

Description: This course builds on the foundation of what Sunday Schools or Lutheran elementary schools teach about Old Testament history. It is intended to strengthen the students' knowledge of the facts, to help students counter arguments against the Bible record, to help students find application of Old Testament history to their daily lives, and to expand students' awareness of how the Old Testament leads us to Christ.

Prerequisites: None

Grade Level: 9-12

Old Testament Christian Faith – .5 credit, 1 semester (spring semester odd years: 2021-22, 2023-24 ...) (New in 2021-22)

Description: This course examines the essentials of Christian faith and traces the development of knowledge about Christ through the Old Testament as it examines the faith and understanding, whether weak or strong, of people of faith in the Old Testament.

Prerequisites: None

Grade Level: 9-12

Sciences

AP Environmental Science – 1 credit, 2 semesters ("Advanced Placement" course) (full-year course, every year)

Description: A college-level course with an overview of components of ecosystems, including energy flow and the structure and dynamics of populations and communities. Students review the processes that affect natural environments, examine the impact of human activities on ecosystems, and discuss current environmental issues. The course is designed to prepare high school students to take the College Board AP exam on this subject. Throughout the course the student is encouraged to demonstrate love for God through respect for His artistic work and love for neighbor in that others are not hurt or harmed by how we act. Field projects will be required.

Prerequisites: Two years of laboratory science.

Grade Level: 11-12

Astronomy – .5 credit, 1 semester (spring semester odd years: 2021-22, 2023-24 ...)

Description: This course explores the wonders of the heavens above us. Students will gain an appreciation for God's majesty as revealed in His universe. Students will learn what an astronomer studies. Students will finally learn to navigate the night sky for personal enjoyment.

Prerequisites: None.

Grade Level: 10-12

Human Anatomy and Physiology I – .5 credit (3 college credits (SCI2010) available through MLC for \$50 additional fee), 1 semester (fall semester every year)

Description: A study of the structure and function of the human body. Integumentary, skeletal, muscular, nervous, cardiovascular, and respiratory systems are covered.

Prerequisites: Biology (B or higher each semester), Chemistry (C or higher each semester)

Grade Level: 11-12

Human Anatomy and Physiology II – .5 credit (3 college credits (SCI3010) available through MLC for \$50 additional fee), 1 semester (spring semester every year)

Description: A study of the structure and function of the human body. Blood and the endocrine, lymphatic, digestive, urinary, and reproductive systems of the human organism are covered.

Prerequisites: SCI2010

Grade Level: 11-12

Medical Terminology (or Bioscientific Terminology) – .5 credit, 1 semester (spring semester even years: 2022-23, 2022-25 ...)

Description: A study of the medical language and terminology used by science (bioscientific) and health care professionals. Students receive a thorough grounding in basic medical and bioscientific terminology through a study of root words, prefixes, and suffixes.

Prerequisites: None

Grade Level: 10-12

Physical Science – 1 credit, 2 semesters (full-year course, every year)

Description: Students study God's creation and apply principles of science and predictions about nature to the real world. Students need to view lesson videos, read resources, and participate in practice work.

Prerequisites: None

Grade Level: 9-12

Social Studies

AP U.S. History – 1 credit, 2 semesters ("Advanced Placement" course) (full-year course, every year)

Description: AP U.S. History is an in-depth study of U.S. political, diplomatic, cultural and economic history from the colonial period to the present. This course is designed to prepare students for the AP exam; therefore, it will require students to engage in extensive reading, to analyze and employ primary and secondary sources for developing and supporting a historical argument, and to articulate their thoughts through high-level writing skills.

Prerequisites: GPA of 3.5 or higher and at least 2 years of high school Social Studies

Grade Level: 11-12

AP Psychology – 1 credit, 2 semesters ("Advanced Placement" course) (full-year course, every year)

Description: A college-level course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major

subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Prerequisites: None.

Grade Level: 11-12

Introduction to Psychology – .5 credit, 1 semester (spring semester, every year)

A high school level, one-semester introductory psychology course with an emphasis on providing a basic understanding of human behavior and how that behavior relates to others. The course covers approaches to psychology, human growth and development, personality, mental disorders, nature of culture, conformity and deviance, and roles, relationships, and groups. (**Note: Cannot take if already enrolled in AP Psychology, which is a college level course.**)

Prerequisites: None

Grade Level: 10-12

World History – 1 credit, 2 semesters (full-year course, every year) (New in 2021-22)

Description: World History is a full-year survey course covering major civilizations and achievements throughout the world from creation until the 20th century. The course will include political, economic, geographic, and cultural aspects of History. A special emphasis will be placed on how God has shown himself to be ultimately in control of all things even as he allows human beings the free will to make decisions here on this earth.

Prerequisites: None

Grade Level: 9-12

World Regional Geography – .5 credit (3 college credits (SSC3210) available through MLC for \$50 additional fee), 1 semester (either semester)

Description: An overview of the world's major realms from a spatial perspective. The physiographic and cultural landscapes of regions are explored using systematic geographic concepts.

Prerequisites: GPA of 3.5 or higher, or consent of instructor for GPA of 3.0-3.49

Grade Level: 12 (First priority given to seniors committed to attending MLC.)

Technology/Business

AP Computer Science A – 1 credit, 2 semesters ("Advanced Placement" course) (full-year course, every year)

Description: A college-level first course in computer science. The emphasis in the course is on procedural and data abstraction, object-oriented programming and design methodology, algorithms, and data structure. Java will be the programming language used in the course.

Prerequisites: Introductory programming course or consent of instructor.

Grade Level: 11-12

AP Computer Science Principles – 1 credit, 2 semesters ("Advanced Placement" course) (full-year course, every year)

Description: A college-level first course in computer science. Introduces the principles that underlie the science of computing and the development of computational thinking skills. Students will make connections between concepts in computing, apply abstractions in computation and modeling, communicate ideas about technology and computation, design a program to solve a problem or complete a task, analyze computational work, and work collaboratively to solve problems. Activities will be tied to five big ideas including creative development, data, algorithms and programming, computer systems and networking, and the impact of computing.

Prerequisites: Introductory programming course or consent of instructor.

Grade Level: 11-12

Computer Applications –.5 credit, 1 semester (fall semester, every year) (New in 2021-22)

Description: In *Computer Applications*, students learn basic technological skills that will be useful in high school and beyond. The course will make use of Google applications to learn how to create and format reports, spreadsheets, forms, and presentations, as well as review email etiquette, digital citizenship, and basic copyright laws.

Prerequisites: None, but basic computer knowledge is assumed

Grade Level: 9-12

Computer Graphics –.5 credit, 1 semester (spring semester, every year)

Description: An introduction to raster and vector graphic editing software to create, edit, and manipulate images and drawings. These skills can then be applied to complete projects in other courses during and after high school, in the workplace, and for personal use.

Prerequisites: None, but basic computer knowledge is assumed

Grade Level: 10-12

Game Programming 1 – .5 credit, 1 semester (spring semester, every year)

Description: Students will have the opportunity to write code to create and run simple 2-D and 3-D game programs using the Unity game engine. Using step-by-step instruction and hands-on projects, students will learn how to develop, test, run and debug games that feature graphics and sound effects. The project(s) developed over the length of this course will encourage students to consider pursuing a technology-related career that will influence the learning of others.

Prerequisites: Introductory programming course or consent of instructor.

Grade Level: 10-12

Introduction to Digital Media and Design – .5 credits, 1 (fall spring semester, every year) (moves to spring semester starting in 2021-22)

Description: *Introduction to Digital Media* introduces theories, concepts, and techniques of audio and visual media. Students will be able to apply these skills to create a portfolio of projects demonstrating a variety of digital media types. Students will also apply ethical and legal responsibilities in creation of multimedia content.

Prerequisites: None, but basic computer knowledge is assumed.

Grade Level: 9-12

Introduction to Programming – .5 credit, 1 semester (fall semester, every year)

Description: A hands-on introductory computer-programming course. Students will learn to write computer programs using the ubiquitous JavaScript computer programming language. In this process, students will exercise and grow their God given technology skills and prepare to use these gifts in service in their homes, churches, communities, and future vocations.

Prerequisites: None, but basic computer knowledge is assumed.

Grade Level: 9-12

Web Page Design – .5 credit, 1 semester (fall semester, every year)

Description: Students will learn HTML (Hyper Text Markup Language), CSS (Cascading Style Sheets), and JavaScript programming languages so they can create effective and responsive web sites. They will also study the principles of professional design to apply them to those sites.

Prerequisites: None, but basic computer knowledge is assumed.

Grade Level: 10-12

World Languages

American Sign Language 1 – 1 credit, 2 semesters (full-year course, every year)

Description: A beginning level course that focuses on the fundamental elements of American Sign Language (ASL) in a cultural context. Emphasis is placed on the progressive development of

expressive and receptive skills in fingerspelling and thematic units while learning the visual language (short conversations) and culture of the Deaf.

Prerequisites: None

Grade Level: 11-12

American Sign Language 2 – 1 credit, 2 semesters (full-year course, every year)

Description: A continuation of American Sign Language (ASL) 1. Emphasis is placed on the progressive development of expressive and receptive skills in fingerspelling and thematic units while learning the visual language (short conversations) and culture of the Deaf.

Prerequisites: American Sign Language 1

Grade Level: 12

Chinese 1 – 1 credit, 2 semesters (full-year course, every year)

Description: An introduction to the Mandarin Chinese language and culture that includes listening, reading, writing, and speaking.

Prerequisites: None

Grade Level: 9-12

Chinese 2 – 1 credit, 2 semesters (full-year course, every year)

Description: A continuation of Chinese 1, a study of the Mandarin Chinese language and culture that includes listening, reading, writing, and speaking.

Prerequisites: Chinese 1

Grade Level: 10-12

German 1 – 1 credit, 2 semesters (full-year course, every year)

Description: German 1 is a beginning course intended to introduce the student to the language and culture of German-speaking countries. Connections will be made to the German Lutheran heritage in schools. Students will develop listening, speaking, reading, and writing skills through a variety of activities based on authentic media and activities.

Prerequisites: None

Grade Level: 9-12

German 2 – 1 credit, 2 semesters (full-year course, every year)

Description: German 2 is a second-year course intended to continue learning the language as well as the culture of German speaking countries. Connections will be made to the German Lutheran heritage in schools. Students will develop listening, speaking, reading, and writing skills through a variety of activities that are based on authentic media and activities.

Prerequisites: German 1 or equivalent knowledge of the German language

Grade Level: 10-12

German 3 – 1 credit, 2 semesters (full-year course, every year)

Description: German 3 is a third-year course intended to continue learning the language as well as the culture of German speaking countries. Connections will be made to the German Lutheran heritage in schools. Students will develop listening, speaking, reading, and writing skills through a variety of activities that are based on authentic media and activities.

Prerequisites: German 2 or equivalent knowledge of the German language

Grade Level: 11-12

German 4 – 1 credit, 2 semesters (full-year course, every year)

Description: German 4 is a continuation of German 3. Students will continue learning the language as well as the culture of German-speaking countries.

Prerequisites: German 3 or equivalent knowledge of the German language

Grade Level: 12

Latin 1 – 1 credit, 2 semesters (full-year course, every year)

Description: Latin 1 begins a study of the Latin language as well as develops an appreciation for Roman history, culture, and customs. The course includes a rigid study of vocabulary/English derivatives, syntax, grammar and translation. The course is taught within the framework of God's plan of history and how the Roman world served as God's tool for the spread of the Gospel.

Prerequisites: None

Grade Level: 9-12

Latin 2 – 1 credit, 2 semesters (full-year course, every year)

Description: Second-year Latin will be a continuation of Latin 1. The course goal is to continue the student's comprehensive instruction not only in the Latin language and how it works, but also to enhance understanding of the Roman and post-Roman culture in which Latin flourished as an active literary language. The instruction continues to draw attention to God's guidance of history for the spread of the Gospel. Additional exposure to the Latin biblical text will be developed.

Prerequisites: C or better in Latin 1 (or consent of instructor)

Grade Level: 10-12

Latin 3 – 1 credit, 2 semesters (full-year course, every year)

Description: Third year Latin presents a comprehensive review of vocabulary, syntax, grammar and translation. Building on the foundation of Latin 1 and 2, the course provides students with an in-depth experience of Caesar, Catullus, Cicero, Horace, Ovid and Vergil, as well as the Renaissance writer, Erasmus. The students are introduced to "unadapted" Latin literature building their literary skills. Students regularly are required to evaluate the various authors' writings, ideas and philosophies in the light of God's Word.

Prerequisites: B or better in Latin 2 (or consent of instructor)

Grade Level: 11-12

Latin 4 – 1 credit, 2 semesters (full-year course, every year)

Description: Fourth year Latin immerses the student in Vergil's classic epic, the Aeneid (Books 1-6). The students will first read the Aeneid in English to understand its historical context, storyline and cast of characters. The class will also include readings from Jerome's Vulgate as well as excerpts from ecclesiastical writers.

Prerequisites: B or better in Latin 3 (or consent of instructor)

Grade Level: 12

Spanish 1A – 1/2 credit, 2 semesters (full-year course, every year) (intended for 7th-8th)

Description: Spanish 1A is full-year introductory Spanish course for middle school students, and covers the content found in a typical first-semester high school Spanish 1 course. The course will focus on establishing a functional vocabulary and establishing a beginning framework for how the language works. The student will have the opportunity to develop listening, speaking, reading, and writing skills through a variety of activities that are rooted in authentic cultural exchanges and media. The course will be delivered primarily in Spanish.

Prerequisites: None

Grade Level: 7-8

Spanish 1B – 1/2 credit, 2 semesters (full-year course, every year) (intended for 7th-8th)

Description: Spanish 1B is a full-year introductory Spanish course for middle school students that have completed Spanish 1A with a C grade or higher. (It covers the content typically found in the second semester of a high school Spanish 1 course.) The course will focus on building on the functional vocabulary and continuing the establishment of the framework for how the language works. The student will have the opportunity to further develop listening, speaking, reading, and writing skills through a variety of activities that are rooted in authentic cultural exchanges and media. The course will be delivered primarily in Spanish.

Prerequisites: Spanish 1A

Grade Level: 8

Spanish 1 – 1 credit, 2 semesters (full-year course, every year) (New in 2021-22)

Description: Spanish 1 is an entry-level course meant to facilitate communication in Spanish as well as an understanding of the cultures that speak it. The student will have the opportunity to develop listening, speaking, reading, and writing skills through a variety of activities that are rooted in authentic cultural exchanges and media. The course will be delivered primarily in Spanish.

Prerequisites: None

Grade Level: 9-12

Spanish 2 – 1 credit, 2 semesters (full-year course, every year) (New in 2022-23)

Description: Spanish 2 is a continuation of Spanish 1. The course will focus on broadening the student's vocabulary for more specific contexts and strengthening the student's understanding of how the language works. The student will have the opportunity to develop listening, speaking, reading, and writing skills through a variety of activities that are rooted in authentic cultural exchanges and media. The course will be delivered primarily in Spanish.

Prerequisites: C or better in Spanish 1 (or consent of instructor)

Grade Level: 9-12

Note: New courses are added each year. If you have questions or suggestions for additional courses or instructors, please feel free to contact Dr. Jim Grunwald grunwajr@mlc-wels.edu, ALHS Online superintendent.