Orange Lutheran Online
Courses Offered

Please be prepared that our online courses are a rigorous and accelerated academic experience. Expect to spend between one-two hours a day on coursework.

MATH

ALGEBRA 1 (4110) (720-OLO) Grades 9-12 (one unit) UC approved course ("c") Offered On Campus AND Online
This course teaches students to solve linear equations, use linear equations to solve word problems, solve systems of linear equations, factor & solve quadratic equations, and simplify expressions involving polynomials, exponents & radicals. Topics in Algebra 1 comprise a large portion of many college entrance exams.
PREREQUISITE: For Freshmen: Freshmen Placement Test. For returning students: Pre-Algebra with a minimum grade of "C-" for each semester.

GEOMETRY (4130) (730-OLO) Grades 9-12 (one unit) UC approved course ("c") Offered On Campus AND Online
This course is a study of geometric figures in two and three dimensions. It is designed to increase a student’s understanding of spatial relations. Emphasis is also placed upon applying algebra to geometric problem solving and applying the basic terminology and concepts of geometry in a logical and organized manner, including formal proofs.
PREREQUISITE: Freshmen must pass the Algebra Diagnostic Test in May. For returning students: Algebra (or Enriched Algebra) with a minimum grade of "C-" for each semester.

ALGEBRA 2 / TRIGONOMETRY (4310) (750-OLO) Grades 10-12 (one unit) UC approved course ("c") Offered On Campus AND Online
This course leads to an understanding of algebra beginning with review of Algebra 1 concepts and extending these same concepts and skills. Topics such as solving polynomial, exponential, logarithmic, and trigonometric equations are first encountered in this course. The study of angles and triangles are the main emphasis of the trigonometry section of the course.
PREREQUISITE: Algebra (or Enriched Algebra) with a minimum grade of "C-" and Geometry (or Honors Geometry) with a minimum grade of "C-" for each semester.

PRE-CALCULUS (4320) (790-OLO) Grades 11-12 (one unit) UC approved course ("c") Offered On Campus AND Online
Analytic Geometry and Trigonometry are integrated with other important topics in mathematics by an approach that stresses the use and understanding of functions. Study will include such topics as rational and irrational numbers, vectors, polar coordinates, sequences and series, matrices, and probability.
PREREQUISITE: Algebra 2/Trigonometry with a minimum grade of “B-” or Honors Algebra 2/Trigonometry with a minimum grade of “C-” for each semester.

INTRODUCTION TO FINITE MATHEMATICS (4415) (775-OLO) Grades 11-12 (one unit) UC approval pending Offered On Campus AND Online
This course emphasizes application and problem solving. Students will engage in the study of systems of numeration, finance, probability, apportionment, and statistics. This course provides students with a clearer understanding of many basic mathematical skills used in business, economics, health and social sciences. It will help prepare students for a college level liberal arts mathematics course.
PREREQUISITE: Algebra 2/Trigonometry with a minimum grade of “C-” or Honors Algebra 2/Trigonometry with a minimum grade of “D-” or Pre-Calculus with a minimum grade of “C-” or Honors Pre-Calculus with a minimum grade of “D-”.
P.E. AND HEALTH

FOUNDATIONS OF FITNESS (5203-0LO) 
(one-half unit) 
The emphasis of this course is on physical fitness through active living. In addition, studies will include units on cardiorespiratory fitness, muscular fitness, flexibility, designing a personal fitness program, body composition, maintaining a healthy body weight, and incorporating fitness throughout various stages of life. 
PREREQUISITE: None

PERSONAL NUTRITION (5204-0LO) Grades 9-12 (one-half unit) Offered Online Only 
The emphasis of this course is on nutrition and healthy eating as a way of life. In addition, the course will include units of study on the importance of having a nutritionally balanced diet, dieting and nutrition myths vs. facts, designing a personal nutrition plan, achieving a healthy body image, and incorporating nutrition throughout the various stages/phases of life. 
PREREQUISITE: Foundations of Fitness

SPORTS AND ACTIVITIES (5205-0LO) Grades 9-12 (one-half unit) Offered Online Only 
This course will emphasize the importance of physical sports/activities in reaching and maintaining a healthy/active lifestyle. The course will include an overview of the physical benefits, as well as, the basic skills that are needed for various team/individual sports and activities. Students will set personal/individual fitness goals and be able to experience what sports/activities will help them to achieve these goals, both now and as their physical needs change. 
PREREQUISITE: Foundations of Fitness

HEALTH EDUCATION (5201-0LO) Grades 9-12 (one-half unit-required) Offered Online Only 
The emphasis is on wellness and a positive life style. In addition, studies will include units on personal identity, personality types, human sexuality, relationships and family roles, alcohol, tobacco, drugs, nutrition, and sexually transmitted diseases (STD’s). 
PREREQUISITE: None

SCIENCE

BIOLOGY (0820-0LO) Grades 9-12 (one unit) UC approved course (“d”) Offered Online Only 
This course focuses on the relationships between living organisms and their environment. Similarities and differences between all organisms, from simple to complex are examined. Additionally, recent developments in molecular biology and biotechnology are presented. Specific topics and activities for the first semester include study of population dynamics, online dissection of a plasma membrane, exploration of bioenergetics, examination of the cellular basis of inheritance, application of Mendel’s rules, and research of evolution. Learning methodology includes assigned readings, lectures, discussion responses, high-frequency online interaction with classmates, and introspective learning summaries. This course includes a wet lab component that will take place in a high school laboratory setting and is designed for the student who is able to handle the rigor of a semester in 8 weeks. 
PREREQUISITE: Freshmen Placement Test.
CHEMISTRY (6120) (830 and 831-OLO) Grades 10-12 (one unit) UC approved course (“d”) Offered On Campus and Online
This subject provides a study of matter and the changes that occur in it. Physical and chemical changes are identified. Energy relationships are studied and interpreted. Emphasis is given to interpreting the behavior of atoms and molecules based upon what students observe in the laboratory. Formula and equation writing follows an understanding of the changes that are being described.
PREREQUISITES: Biology with a minimum grade of “C-” or (H) Biology with a minimum grade of “C-” and Algebra, Enriched Algebra, Geometry or (H) Geometry with a minimum grade of “C-” for each semester. Students with a “C-” in Algebra 1 or Enriched Algebra 1 need approval of the Instructor and Department Chair.

ASTRONOMY/GEOLOGY (6140) (0840-OLO)* Grades 10-12 (one unit) UC approved elective course (“g”)* Offered On Campus AND Online*
Astronomy/Geology is a science elective designed for students with an interest in learning more about the sky and the earth. It consists of one semester of astronomy and one of geology. Astronomy includes a study of the moon, planets, and stars, as well as an examination of the instruments used in modern astronomy. Geology involves the study of important mineral and rock types, the learning of skills involved in interpreting geological maps, and the study of the continental drift theory. Lab work is done on a regular basis.
PREREQUISITE: Chemistry or Chemistry in the Community.
*Online Astronomy/Geology (0840-OLO) is NOT UC Approved.

HISTORY

WORLD HISTORY (7110) (510-OLO) On Campus Grade 10 Only, Grades 9-10 OLO (one unit) UC approved course (“a”) Offered On Campus AND Online
This course includes a brief review of medieval history followed by in-depth examinations of the Renaissance and Reformation, the rise of democratic ideas, the history of world revolutions, the development of imperialism, the impact of the World Wars, and the presence of nationalism in the contemporary world. Each unit utilizes a variety of materials and has an emphasis on geographical relationships.
PREREQUISITE: None

U. S. HISTORY (7120) (520-OLO) On Campus Grade 11 Only (one unit) UC approved course (“a”) Offered On Campus AND Online
This course includes the study of the political, social, economic, and geographic development of the United States from the colonial days to the present. Emphasis is placed on the personalities that helped shape this nation and on the origins of current political elements. Current events and world issues are discussed throughout the year, and special emphasis is placed on helping students develop a cultural understanding of the nation.
PREREQUISITE: World History

GOVERNMENT (7130) (530-OLO) On Campus Grade 12 Only (one half unit) UC approved course (“a”)* Offered On Campus AND Online
This course is designed as an introduction to American Government. Federal, state, & local organization and operation of the legislative, executive, and judicial branches are the main theme of this course.
*NOTE: To satisfy UC requirements for the “a” requirement, it is recommended that this class is taken during the same year with Economics.
PREREQUISITE: U.S. History

ECONOMICS (7140) (531-OLO) On Campus Grade 12 Only (one half unit) UC approved course (“g”)* Offered On Campus AND Online
Economics is the systematic study of man’s effort to satisfy his wants by securing goods and services from the scarcity of nature. The high school economics course is an introduction to the essential concepts, principles, values and methods of economic analysis and their application to the modern world.
*NOTE: To satisfy UC requirements for the “A” requirement, it is recommended that this class is taken during the same year with American Government.

PREREQUISITE: U.S. History

AP U.S. GOVERNMENT & POLITICS/HONORS ECONOMICS (7640) (590-OLO) Grade 12 (one unit)

UC approved course (“a”) Offered On Campus AND Online

AP American Government will be taught as a college level course designed to give students a critical perspective on government and politics in the United States. The course involves the study of general concepts and facts about the American government that can be directly applied to the present day political atmosphere. The course is designed to help students prepare for the Advanced Placement Examination for American Government and Politics offered by Educational Testing Services in the spring. All students enrolled in this class will pay for and take the AP Exam.

Economics (H) is designed for advanced college-bound students. It will offer more depth and proceed at a faster pace than the general Economics course. This course will introduce the essential concepts, principles, values and methods of economic analysis and their application to the modern world.

PREREQUISITE: A final grade of “B-” or higher in AP U.S. History, or an “A-” or higher in U.S. History, both semesters. All students must complete an application that includes recommendations from the Instructor and Department Chair.

FEE: $87.00 fee to take the Advanced Placement exam.

ENGLISH

ENGLISH 1 – INTRODUCTION TO LITERATURE/COMPOSITION (2110) (610-OLO) Grade 9 (one unit)

UC approved course (“b”) Offered On Campus AND Online

The purpose of this course is to develop fundamental English skills. Students will study the correct usage of language through grammar and mechanics of writing. In addition, introductory literary units including the short story, the novel, and poetry will be studied. Vocabulary study and development of writing skills form an integral part of the program.

PREREQUISITE: Freshman placement test

ENGLISH 2 – AMERICAN LITERATURE/COMPOSITION (2120) (620-OLO) Grades 10-12 (one unit)

UC approved course (“b”) Offered On Campus AND Online

This course includes a comprehensive study of American literature incorporating developmental, canonical and modern reading. In addition, the course further develops vocabulary and writing skills through formal essays, a topical research paper, and a variety of creative and analytical writing experiences. A review of the grammar and mechanics introduced in English 1 will be part of the curriculum.

PREREQUISITE: Completion of English 1

ENGLISH 3 – BRITISH LITERATURE/COMPOSITION (2130) (630-OLO) Grades 10-12 (one unit)

UC approved course (“b”) Offered On Campus AND Online

This course is designed to develop and refine skills in writing, grammar, and vocabulary building. Particular emphasis is placed on the study of British literature by reading assignments of classical British works. Students who complete English 3 with a grade of an “A-” or better, and receive approval of the Instructor, will be eligible to take AP English courses whether they are a junior or senior.

PREREQUISITE: English 2

WORLD LITERATURE/COMPOSITION (2380) (640-OLO) Grades 11-12 (one unit)

UC approved course (“b”) Offered On Campus AND Online

This course is designed to prepare students for college level English. Major literary works are drawn from around the world and studied in thematic context of Christianity, history, culture, and modern society. Composition includes analytical essays, a college application essay, and a major research paper.

PREREQUISITE: English 3
WRITING EXPERIENCE (2390) Grades 11-12
(one unit) UC approved course ("b") Offered On Campus AND Online
This course of study includes writing for the college-bound student, as well as those who aspire to grow in their writing abilities. In a writing workshop, the students will analyze and develop individual writing skills with an emphasis on expository and creative forms as well as a focus on grammar. The students will be encouraged to publish their works.
PREREQUISITE: English 3

AP ENGLISH LITERATURE/COMPOSITION (2610) Grades 11-12
(one unit) UC approved course ("b") Offered On Campus AND Online
AP English Literature/Composition allows the student to work and progress in a literature curriculum at a college or university level. The course, consistent with Advanced Placement guidelines, will facilitate the student’s efforts on the Advanced Placement English Literature and Composition test offered in the spring. The curriculum closely examines highly regarded texts written originally in the English language. Forms studied will include drama, poetry, and prose. Students will read, discuss, and analyze major authors. Through these studies, students will find themselves better able to serve God with mind, voice, and pen.
PREREQUISITE: Completion of English 3 with a grade of “A-” or higher, or completion of Honors English 3 or AP Language with a grade of a B+ or higher and approval of the Instructor.
Online Course Requires approval of an OLO Advisor.
FEE: $87.00 fee to take the Advanced Placement exam.

COMMUNICATION IN AN ELECTRONIC AGE (600-OLO) Grades 9-12
(one-half unit) Elective course Offered Online Only
This course introduces students to learning in an online environment. Students will develop strategies for successful distance learning, time management, and online communication. Students will also explore the appropriate use of information found on the Internet in an academic environment. Specific topics for the course include using search engines, time management, Microsoft Word®, Excel®, and PowerPoint®.
PREREQUISITE: None

FOREIGN LANGUAGE

SPANISH 1 (3110) Grades 9-12
(one unit) UC approved course ("e") Offered On Campus AND Online
This course develops language skills through listening, speaking, reading, memorization and acquisition of vocabulary, as well as written exercises. The main goal of this course is to promote oral communication.
PREREQUISITE: None

SPANISH 2 (3120) Grades 9-12
(one unit) UC approved course ("e") Offered On Campus AND Online
This course continues to develop language skills through listening, speaking, reading and writing to enhance communication in Spanish.
PREREQUISITE: A grade of “C” or better in Spanish 1 in both semesters, and approval of the Instructor and Department Chair. Freshmen & transfer students must pass a placement examination in order to enroll in Spanish 2.

SPANISH 3 (3130) Grades 10-12
(one unit) UC approved course ("e") Offered On Campus AND Online
This course is designed to reinforce the foreign language skills learned in Spanish 1 and 2 and to continue to prepare students for living in a global society. Classroom instruction will involve the students in communicative tasks through speaking, listening, reading and writing in Spanish.
PREREQUISITE: A final grade of “B” or better in both semesters of Spanish 2 and/or approval of the Instructor and Department Chair.

THEOLOGY

THEOLOGY 1 - OVERVIEW AND INTRODUCTION TO GOD’S WORD (8110) (1010-OLO) Grade 9 (one unit)
Required Course Offered On Campus AND Online
During the freshman year, students will be introduced to an overview of the Bible. Each student will not only learn how to use the resources available in the Lutheran Study Bible, but will also be educated in the origins and reliability of Scripture. Using God's Word as the foundation, students will explore creation, covenants, Christ, church, adolescence, adversity, prayer, God's plan for human sexuality and ten key concepts found in Biblical teaching.
PREREQUISITE: None

THEOLOGY 2 - NEW TESTAMENT (8120) (1020-OLO) Grade 10 (one unit) Required Course Offered On Campus AND Online
Sophomores will study the New Testament to discover the promises of God for our lives and the joy of living life as a Christian. Topics include: an overview of the historical setting for the writing of the New Testament; the four Gospels; the writings of the apostle Paul; the writings of John and Peter; the book of Hebrews, and the doctrines and life applications taken from each of the writings covered.
PREREQUISITE: Completion of Theology 1. Any semester grade of an “F” must be remediated prior to advancing to the next Theology course.

THEOLOGY 3 - OLD TESTAMENT (8130) (1030-OLO) Grade 11 (one unit) Required Course Offered On Campus AND Online
Junior Theology focuses on the conjunction between the Old Testament and the New Testament eras, and the Old Testament’s role as the revelation of Yahweh’s plan for salvation through the Messiah. This takes place primarily through an investigation of the typological events in Israel’s history and their covenant-based relationship with Yahweh. Special attention is paid to the foundational role of hermeneutics in the reading and understanding of the Old Testament.
PREREQUISITE: Completion of Theology 2. Any semester grade of an “F” must be remediated prior to advancing to the next Theology course.

THEOLOGY 4 – CALLED TO BELIEVE (8160) (1040-OLO) Grade 12 (one-half unit) Offered On Campus AND Online
This one-semester course is devoted to studying the sole source of Christian theology, namely the Holy Scriptures. Students will examine the major teachings of the Christian faith (i.e. the Triune God, Humanity, Sin, Christology, Justification, Vocation, Ecclesiology, Eschatology, Sacraments). Not only will students study what Christians believe, the student will be introduced to apologetics. Following this course, students are required to complete either the World Religions course or the Apologetics course.
PREREQUISITE: Completion of Theology 3. Any Theology semester grade of an “F” must be remediated prior to receiving Orange Lutheran High School diploma.

THEOLOGY 4 – THE CHRISTIAN IN A PLURALISTIC SOCIETY (8190) (1043-OLO) Grade 12 (one-half unit) Offered On Campus AND Online
This one-semester course is designed to prepare graduating seniors for the reality they will face as Christians living in a pluralistic society. This course is comprised of several unites including, but not limited to: Intro to World Religions, Intro to Apologetics, Christians and Ethics, Faith in College, and Christian Themes in the Media.
PREREQUISITE: Completion of the semester course Theology 4: Called to Believe. Any Theology semester grade of an “F” must be remediated prior to receiving Orange Lutheran High School diploma.
THEOLOGY 4 – APOLOGETICS (8180)(1044-OLO) Grade 12 (one-half unit) Offered On Campus AND Online
One semester devoted to preparing and equipping the student to defend the faith from modern and postmodern criticism. The goal of this class is to prepare the college bound student to address potential attacks from liberal academia. The student will be able to explain the rational and historical basis that undergird Christianity’s claim to exclusive truth.
PREREQUISITE: Final grade of “B” or better in Theology 3 or approval by Department Chair and completion of the semester course Theology 4 – Called to Believe. Any Theology semester grade of an “F” must be remediated prior to receiving Orange Lutheran High School diploma.

Electives

BUSINESS LAW (445-OLO) Grades 9-12 (one-half unit) Elective course Offered Online Only
This course focuses on the foundation of the U.S. legal system in the areas of business and personal law. Students will explore the evolution of our legal and court systems, and understand criminal, civil, property, employment and contract laws, including legalities in business and financing. Activities include, but are not limited to, discussion questions, weekly summaries, lectures, and multi-media activity.
PREREQUISITE: None

INTRODUCTION TO DIGITAL PHOTOGRAPHY A & B (930-OLO) (935-OLO)
(one-half unit for each semester online course) Elective course required.
Grades 9-12 Offered Online Only
This course focuses on the basics of digital photography, and the basics of photography in general. Studies include using the camera, file transfer and storage, post-production, elements of composition, the properties of light, black and white conversion, watermarks, and image selection for portfolios. Students are required to read lectures, respond to discussion questions, view the work of their classmates and professional photographers, photograph images out on assignment and make necessary corrections to photos before submission in this course.
PREREQUISITE: Must take Introduction to Digital Photography A prior to taking Introduction to Digital Photography B.
FEE: No additional fees required for this online course

MULTIMEDIA DESIGN CONCEPTS (915-OLO) Grades 9-12 (one-half unit) Elective course Offered Online Only
This course combines the elements of art, the principles of design and computer generated audio/visual techniques with an emphasis on creative problem solving skills. Course discussions and assignments guide students to a stronger grasp of media literacy and visual communication, with the development of basic proficiency in interactive media design. Using up-to-date software, students will be able to create static digital presentations, simple animations and interactive media pieces. Students will also develop self-promotional pieces and successfully publish their work to the Internet in the form of a Webfolio.
PREREQUISITE: None

MUSIC APPRECIATION A (910-OLO) Grades 9-12 (one-half unit) Elective course Offered Online Only
In this course, students explore a variety of musical styles, forms, fundamentals, instruments, and composers. They will learn about the social backgrounds of various artists and how the various styles and periods reflect the mainstream of history and influence and are influenced by the society at large. There is a focus on listening skills that sharpen students’ aesthetic valuing of music and its elements that allows students to engage and interact with music. Students gain an understanding of melody, harmony, rhythm and meter, tempo, dynamics, and others, and learn how these are combined to produce the effects of the music they hear. Learning methodology includes assigned readings, listening, lectures, discussion responses, high-frequency online interaction with classmates, and introspective learning summaries.
PREREQUISITE: None
FEE: All students will be required to purchase supplemental media.

**MUSIC APPRECIATION B (911-0LO) Grades 9-12 (one-half unit) Elective course Offered Online Only**
This course will explore the progression of musical styles, instruments, and composers throughout the ages. The reflection of the world’s social and political condition on the evolution of the various artistic styles will be examined. There will also be a focus on developing listening skills that will sharpen the listener’s perception of music and its elements. Specific topics and activities for the second semester include: music achieving its emotional freedom during the Romantic era, the expansion of music during the 20th century, and American popular music. Learning methodology includes assigned readings, lectures, discussion responses, high-frequency online interaction with classmates, and introspective learning summaries.
PREREQUISITE: Music Appreciation A with a final grade of B or higher.
FEE: All students will be required to purchase supplemental media.

**VIDEO GAME DESIGN A (945) Grades 9-12 (one-half unit) Elective course Offered Online Only**
This semester course provides an introduction to the game design industry to study various career opportunities. Students will evaluate games and their use of images, sound effects and music to make the games attractive to players. Using game design software, they will develop multilevel games. Students will design a game from scratch using relevant software, and add original sound effects, audio, and music.
PREREQUISITE: None

**VIDEO GAME DESIGN B (946) Grades 9-12 (one-half unit) Elective course Offered Online Only**
This semester course is a continuation of Video Game Design A. The course leads students further through the theory and process of designing and programming computer games. The history, genre and future of gaming are considered. A unit on successful game attributes will include game plots, controls, strategies, graphics and Foley sound effects. The planning of their students’ game project will study storyline, characters, music, and flowcharting. Students will play other students’ games and provide feedback.
PREREQUISITE: Video Game Design A with a final grade of B or higher.

**Middle School**

**Yearlong Geometry** The focus of this course is to provide a comprehensive evaluation of geometric terms and processes. Students will study inductive and deductive reasoning; congruent segments and angles; parallel and perpendicular lines; proofs; logic; transformations; and the Pythagorean Theorem, with emphasis placed on reasoning and problem solving. Learning methodology includes, but is not limited to, assigned readings, video lectures, discussion questions, and solving mathematical problems.

**Yearlong Spanish 1** This course focuses on developing language skills through listening, speaking, reading, memorization, and acquisition of vocabulary, as well as written exercises. Each week covers thematic subjects through pertinent to students’ lives. The themes are incorporated into grammatical lessons. Specific topics and activities for the first semester include: common vocabulary—including articles and adjectives. Learning methodology includes assigned readings, lectures, discussion responses, online interaction with classmates, and introspective learning summaries.

**Water World** The Science of Water is an advanced 8th grade science course, which will prepare students to be successful in high school science classes (Biology, Chemistry, Physics, and Environmental Science). The course will be conducted as a hybrid class composed of online modules studied independently by the students, and weekly laboratory sessions on Mondays conducted at the OLu campus guided by the high school Biology/Chemistry teacher. This course will incorporate math skills, laboratory skills, and project-based learning. Students will develop terminology, critical thinking and skills commonly used in the scientific process. Advanced level readings will include published scientific articles from major journals to provide rigor and college readiness skills. This class can be taken as a yearlong class, or broken apart into four quarters and taught as electives.
Concordia University Wisconsin
High School Dual Credit Online

Financial Accounting (ACCT 203 EL) - Credits: 3
Emphasis is placed on the process of identifying, measuring, recording, and communicating the economic events of a business. Areas of coverage include ethics; the accounting cycle (manual and computerized); financial statements presentation & analysis; merchandising; internal controls; cash; receivables; long-lived assets; capital stock and dividend transactions; stockholders equity; and bond financing.