



**MAYER LUTHERAN HIGH SCHOOL**

**2023-2024**

**Course Descriptions Booklet**

**Preparing the Next Generation of Christian Leaders**

**306 7<sup>th</sup> St. NE  
Mayer, MN 55360  
School 952-657-2251**

**[www.mayerlutheran.org](http://www.mayerlutheran.org)**

Updated: Feb 28, 2023

**CURRICULUM REVIEW:** Mayer Lutheran High School engages in on-going curriculum review. The impact of this process is a curriculum that is able to be updated and modified to meet the educational needs of today's high school students. The courses in this Academic Guide reflect what is currently being offered by Mayer Lutheran High School. Some courses listed in the Academic Guide do not occur every year. New course offerings, course descriptions, and course prerequisites are a possible outcome of the curriculum review process.

**FINAL EVALUATION/EXAMS:** Each semester a final evaluation will take place in all classes with the possible exception of activity-based PE classes, Wind Ensemble, and Concert Choir. If these courses do not administer a final evaluation/exam the syllabi for the course will explain how the quarter and semester grade will be determined. Final evaluation/exams may include a semester test, project, or activity that measures the student's knowledge in the class or their ability to apply skills taught through a project or activity. Each quarter grade will count evenly in the calculation of the semester grade. The final evaluation/exam will have a weight ranging from 10-30% of the semester grade. These weights will be determined by the teacher of the course and will be specified in the syllabi for the course.

Semester Grading Calculation –

Formula (E% represents the final evaluation/exam weight):

$$\text{Qtr. 1} \times (100\% - E\%) / 2 + \text{Qtr. 2} \times (100\% - E\%) / 2 + \text{Sem. Exam} \times E\% = \text{Semester Grade}$$

Example:

Quarter 1 grade = B+ 89.4%

Quarter 2 grade = B 87.2%

Final Evaluation/Exam = C- 76.6%

Final Evaluation/Exam Weight: 30%

Qtr. 1	89.4 X .35 = 31.29
Qtr. 2	87.2 X .35 = 30.52
Final Evaluation/Exam	76.6 X .3 = 22.98
Semester Grade	Total = 84.79 = B-

**HONOR ROLLS:** Determined each quarter using the quarter GPA:

High Honor Roll: 4.000+ GPA

Honor Roll: 3.667 GPA with all grades at a "B" or better

Merit Roll: 3.333 GPA with all grades at a "C" or better

**GRADING PROCEDURES:**

The Uniform Grading Scales and GPA points that are used at Mayer Lutheran High School are as follows:

	<u>Percent</u>	<u>GPA Points</u>	<u>Weighted GPA Points **</u>
A	92-100	4.000	5.000
A-	90-91	3.667	4.667
B+	88-89	3.333	4.333
B	82-87	3.000	4.000
B-	80-81	2.667	3.667
C+	78-79	2.333	3.333
C	72-77	2.000	3.000
C-	70-71	1.667	2.667
D+	68-69	1.333	2.333
D	62-67	1.000	2.000
D-	60-61	0.667	1.667
F	0-59	0.000	0.000

\*Classes Qualifying for Weighted GPA Points: Advanced Placement course as well as College in the Classroom courses.

**CUMULATIVE GPA:** The cumulative GPA is based on the average of the grade points (assigned to the respective letter grades) earned in all courses (including PSEO, Independent Study, and in courses taken at other high schools because of a cooperative agreement or transfer to Mayer Lutheran High School) taken during high school. In the case of marking period or course credit systems that differ from Mayer Lutheran High School's system, the grades, grade points, and credits earned are converted to Mayer Lutheran High School's grade point and credit system.

**GRADUATION REQUIREMENTS:** To graduate from Mayer Lutheran High School, students must earn 27 credits, including successful completion of theology credit for each semester in attendance. One credit is equivalent to a two semesters of credit. The graduation requirements are:

Theology	4.0 credits	Mathematics	3.0 credits	Fine Arts	1.0 credits
English	4.0 credits	Physical Education	1.0 credits	Technology	1.0 credits
Social Studies	3.5 credits	Health	0.5 credits	Elective	6.0 credits
Science	3.0 credits				

In addition, college bound students should strive to complete the following: Math through at least Algebra 2, Science through Advanced Biology and/or Physics, and 2 or 3 years of Foreign Language.

**GRADUATING WITH DISTINCTION:** Students who graduate with a cumulative GPA of at least 3.667 will be recognized as having graduated with distinction. The cumulative GPA will include the second semester of the senior year by using a projection of the semester 2 GPA in the final calculation.

## ENGLISH – Graduation Requirement: 4.0 credits

### Department Purpose

In order to meet the growing diversity in our world, Christian students will learn to master communication skills. These skills better equip students to interact with others in spreading the Gospel.

### Department Rationale

The English curriculum will emphasize a Christian approach in comprehension, interpretation and application. The English curriculum includes literature, grammar, composition, speech, and drama and provides challenging activities for all student levels. For students to become effective Christian leaders, they need to know how best to utilize the skills of effective communication. Applying these skills aids students in understanding the concerns of other people, and in transmitting their own ideas, concerns and emotions to others. As these skills are learned, applied and enhanced, students will gain confidence and self-awareness in their ability to encourage others in the faith and spread the Gospel of Jesus Christ.

### *Sequence:*

*Grade 9: English 9*

*Grade 10: English 10 or Honors English 10*

*Grade 11: World Literature, American Literature, AP Lang and Comp, AP Lit and Comp*

*Grade 12: World Literature, American Literature, AP Lang and Comp, AP Lit and Comp*

### **ENGLISH 9:**

Grade 9 | 1 credit | Year Course | No College Credit

Students in English 9 will be exposed to fiction and nonfiction texts, through which they will develop the skills needed to become proficient communicators in today's world. Classic and contemporary texts of literature, poetry, and drama will be used for students to practice and master reading, writing, and speaking skills in preparation for more advanced studies in English language, as well as in real-world situations.

### **ENGLISH 10:**

Grade 10 | 1 credit | Year Course | No College Credit

### **Prerequisite: English 9 or Department Chair approval.**

Students in English 10 will continue to practice for mastery of reading, writing, and thinking skills, as well as expanding vocabulary and applying literary devices to contemporary and classic literature texts. Emphasis is placed on analyzing texts in order to build the 21<sup>st</sup> Century skills of critical thinking, collaboration, and communication, all of which will be used in more advanced English classes, as well as in future vocations.

### **HONORS ENGLISH 10:**

Grade 10 | 1 credit | Year Course | No College Credit

### **Prerequisite: Grade in English 9 of B – or higher, an approved Honors program application, and/or Department Chair approval.**

Students in Honors English 10 will cover a similar curriculum to those in English 10, but with a greater emphasis on critical reading, critical thinking, and critical writing. Students will analyze additional texts and apply those concepts to the main texts being taught in class, working on oral communication,

inter-personal communication, and written communication skills as students work to build 21<sup>st</sup> Century skills.

### **English 11-12 WORLD LITERATURE:**

Grade 11-12 | 1 credit | Year Course | No College Credit

### **Prerequisite: Completion of English 10 or Department Chair approval.**

Students will develop an appreciation and understanding of literature and effective composition. They will be challenged to analyze, critique and respond to different genres of world literature. Selections from each of the genres (poetry, fiction, drama, non-fiction) will be studied. Students will write a variety of papers, including response, informative, persuasive, creative, and research, as they develop their skills in communicating clearly and effectively. (Offered in 2023-2024.)

### **English 11-12 AMERICAN LITERATURE:**

Grade 11-12 | 1 credit | Year Course | No College Credit

### **Prerequisite: Completion of English 10 or Department Chair approval.**

Students will develop an appreciation and understanding of literature and effective composition. They will be challenged to analyze, critique and respond to different genres of American literature. Selections from each of the genres (poetry, fiction, drama, non-fiction) will be studied. Students will write a variety of papers, including response, informative, persuasive, creative, and research, as they develop their skills in communicating clearly and effectively. (Offered in 2024-2025.)

**COLLEGE WRITING AND RESEARCH:**

Grades 11-12 | 1 credit | Semester Course | College Credit | Weighted GPA

Students will be introduced to the fundamentals of effective writing in the context of the elements of rhetoric: writer, audience, and purpose. Students will write narrative, informative, and persuasive compositions and a documented research paper, using APA style of documentation. They will show mastery of the pre-writing and revising techniques that will enhance their ability to write interesting and engaging prose, while also learning how to give and receive genuine and informative self- and peer-assessments, which are also critical skills used within the communication process within the workplace. Successful completion of this course will earn 3 college credits that can be used to fulfill a general education writing course requirement for most degree-seeking students who enroll in an undergraduate program.

Fall Semester (2023-24)

**INTRODUCTION TO LITERARY ANALYSIS:**

Grades 11-12 | 1 credit | Semester Course | College Credit | Weighted GPA

**Prerequisite: College Writing and Research or consent of instructor.**

Student will develop a Christian worldview from which to compassionately evaluate personal and societal values through the study of literature. This worldview will be formed through the continued instruction and practice in writing and the writing process, with an emphasis on critical analysis of literary genres. Students will also learn how to competently, constructively, and graciously critique peers' writing through collaborative processes, skills that can be transferred to the workplace as individuals interact with and collaborate with colleagues. Students who successfully complete this course will earn 3 college credits that can be used to fulfill a general education English course requirement for most degree-seeking students who enroll in an undergraduate program.

Spring Semester (2023-24)

**SURVEY OF AMERICAN LITERATURE:**

Grades 11-12 | 1 credit | Semester Course | College Credit | Weighted GPA

Student will complete an overview of non-dramatic literature in the United States, showing its development from colonial times to the present. Students will work individually and collaboratively to explore topics, works, and authors representing multi-cultural voices in the changing canon of American literature, developing an understanding of the historical context and the philosophical background of American literature. Students will also think critically in order to analyze the structure and style of individual works to appraise the literary value and critical theoretical approaches, recognizing the cultural forces, limitations, and biases that express the authors' sociopolitical, philosophical, and religious views. Students who successfully complete this course will earn 3 college credits that typically fulfill a Humanities, or General elective for students in undergraduate programs.

Fall or Spring Semester (2024-2025)

**INTRODUCTION TO PUBLIC COMMUNICATION:**

Grades 11-12 | 1 credit | Semester Course | College Credit | Weighted GPA

This course provides the students with an introduction to the theory of the communication process. Students will learn how to analyze a target audience, organize material, prepare an effective method of delivery, in order to identify public speaking techniques that are used in private and public sectors, while also evaluating the ethical issues related to public speaking. Students will deliver informative, persuasive, and inspirational speeches that include research and the proper documentation of outside sources to be used within a speech. Students who successfully complete this course will earn 3 college credits that typically fulfill a Humanities or General elective for students in undergraduate programs.

Fall or Spring Semester (2024-2025)

## WORLD LANGUAGES – Elective Credit

### Department Purpose

To meet the challenges of ever-increasing global connections in the 21<sup>st</sup> century, students must communicate in a culturally appropriate manner with people around the world. They must possess language skills and an understanding of other cultures to be productive members of the diverse communities in which we all live. As a Christian community part of our mission is to share the Gospel with those around us, in our case those who speak Spanish. The purpose of the Spanish Department is to support the development of language learners and equip them to further God's kingdom and be Christian leaders.

### Department Rationale

Throughout the Spanish Department curriculum, students are encouraged to develop the basis for communicating in Spanish, knowing and understanding Hispanic cultural practices and perspectives, connecting and comparing their own lives with the world around them. This is important for success in college and future careers, especially with the growing Hispanic population.

***Students are strongly encouraged to take at least two years of a world language while in high school. When applying to colleges, two years in the same world language is a favorable addition to their transcript. World languages are counted as elective credits.***

### *Sequence:*

*Grade 9: Spanish 1*

*Grade 10: Spanish 1 or Spanish 2*

*Grade 11: Spanish 2 or Spanish 3*

*Grade 12: Spanish 3 or Spanish 4*

### **SPANISH I:**

Grade 9-11 | 1 credit | Year Course | No College Credit

Spanish 1 is an introduction to the sounds, vocabulary, and structures of the Spanish language. The four skills of listening, reading, speaking, and writing are developed and practiced, evaluated through the three modes of communication, interpersonal (conversations), interpretational (comprehension of spoken and written language) and presentational (communication prepared for an audience). A variety of topics are introduced with the goal of basic communication in those topic areas, reflecting a novice-low to novice-mid level of proficiency. Students will gain an awareness of the cultural context of the language. Classroom time includes a variety of activities, using music, videos, readings and cultural content as well as vocabulary activities and grammar practice. A Christian context is used throughout the course.

### **SPANISH 2:**

Grade 9-12 | 1 credit | Year Course | No College Credit

Spanish 2 builds on the foundation laid in Spanish 1, continuing to develop the skills of listening, reading, speaking and writing. Vocabulary and grammatical structures are learned in contexts of everyday topics, including cultural topics. Cultural awareness and appreciation are introduced with the aim of developing intercultural communication competency. Fluency is increased in conversation and writing. Interpretational skills are developed through reading

selections and listening activities. Achievement is evaluated through the three modes of communication, interpersonal (conversations), interpretational (comprehension of spoken and written language) and presentational (communication prepared for an audience). The expectation is a Novice-Mid moving toward Novice-High proficiency. The Christian context continues, especially through Scripture memory and Christian music.

### **SPANISH 3:**

Grade 11-12 | 1 credit | Year Course | College Credit Option | Weighted GPA if taken for college credit

**Prerequisite: Successful completion of Spanish 2 with a C or higher.**

Spanish 3 continues to build on the knowledge gained in Spanish 1 & 2. Students will enrich their vocabulary and increase their repertoire of topics they can discuss with ease. More complex tenses and grammatical constructions will be introduced in contexts of music and literature as well as cultural topics. Students will continue growing in the skills of listening, reading, writing and speaking and intercultural communication at a Novice High toward Intermediate proficiency level. The course will be taught with a Christian context. Students who enroll in the College in the Schools section and successfully complete the course can earn four semester college credits for the first semester and three additional college credits for the second semester.

## **THEOLOGY – Graduation Requirement: 4.0 credits**

(A semester of Theology is required for each semester in attendance.)

### **Department Purpose**

The reality of the student body at Mayer Lutheran High School is that they enter Lutheran High with a variety of levels of Biblical literacy. It is important that from the beginning of their theological formation at MLHS students have a firm understanding of the content and purpose of the Scriptures. As it says in the Epitome of the Formula of Concord, “We believe, teach, and confess that the only rule and guiding principle according to which all teachings and teachers are to be evaluated and judged are the prophetic and apostolic writings of the Old and New Testaments alone.” Since this alone is the place from which all authoritative doctrine is derived students must be grounded in the Scriptures. The first two years then of theological instruction at MLHS involves a thorough study of the Scriptures with the Freshmen studying the Old Testament and the Sophomores studying the New Testament. The approach to the Junior and Senior years involves offering a variety of semester long electives that build off of the first two years of work. While there are disadvantages to this approach (such as not every student gets to take every class) the theology department believes that offering choices allows the students to pursue theological avenues that are most in concert with the individual spiritual gifts each of them has been given, their various interests and even their various callings. Perhaps the most important thing to note here is that while they are semester long courses they are still required to take a full year of theology even in their junior and senior years. The theology department is committed to this four year requirement since it is a primary reason for the existence of MLHS.

In addition to this basic scope and sequence of the curriculum there is also a curriculum within the curriculum. This includes deliberate project planning within each theology course that gives students the opportunity to take the role as Christian leader. The theology department is committed to creating courses that provide opportunities to learn how to create and give presentations, (for example create and give Bible Studies). Every course will have at least one of these opportunities since the department believes that repetitions are the key to improving the students’ ability to lead in these areas.

Finally there is also the curriculum in partnership with the curriculum. This curriculum includes the broader spiritual life activities of the campus: Chapel, Koinoinia Groups, Service Projects and Mission Trips to name a few. The theology curriculum sees itself as the place that partners in preparing students to take the lead in the spiritual life of the campus and beyond. All three of these curricula work together towards the goal of graduating students that are prepared to be Christian leaders.

### **Department Rationale**

The mission statement of Mayer Lutheran High School is, “Preparing the Next Generation of Christian Leaders.” The theology department sees its role in this mission to be primary. One of the main reason parents send their children to a Lutheran High School is to put their children in a place where they can grow in their faith in Jesus Christ. Theology classes are the most obvious place where this must occur. However, theology classes are not meant just to move students to a greater knowledge of their faith in Jesus Christ but also to grow in their capacity to put that faith in Jesus Christ into action. The theology curriculum at Mayer Lutheran High School has been structured in such a way as to provide not merely for the acquisition of theological knowledge but also for the acquisition of skills that will encourage them to be Christian leaders now and in the future according to the individual spiritual gifts each of them has been given and to do so in the context of their home, church (congregation) and society.

#### *Sequence:*

*Grade 9: Old Testament*

*Grade 10: New Testament*

*Grade 11: Articles of Faith & Comparative Religions*

*Grade 12: Defending the Faith & Christian Ethics*

#### **OLD TESTAMENT:**

Grade 9 | 1 Credit | Year-Long Course | NO College Credit

The presence of Law and Gospel are prominent in God’s Word. Specifically, this class will focus on the presence of Christ in the Old Testament. This course reviews the chronological history of God’s people, investigates themes found in the Old Testament and encourages an understanding of the student’s leadership skills as rooted in the Word of God.

#### **NEW TESTAMENT:**

Grade 10 | 1 Credit | Year-Long Course | NO College Credit

This course is an introduction to the New Testament. Student will gain a deeper understanding of the Gospel and what God has done for them through the life, death and resurrection of Jesus Christ. Students also study the history of the early Christian church as they investigate a survey of New Testament books. Emphasis is on Bible study, personalizing the gospel message and understanding church structure.

**COMPARATIVE RELIGIONS (CHRISTIAN DOCTRINE & WORLD RELIGIONS):**

Grade 11 | 1 Credit | Year-Long Course | No College Credit

This course will take an in-depth look at the fundamental doctrines of Lutheranism, through the *Book of Concord*, in comparison to other Christian denominations and the other four major World Religions (Judaism, Islam, Buddhism, and Hinduism). Christian sects as well as cults will also be explored. This course will seek to answer some of the deeper faith questions posed to Christians, equip students to live out a God-pleasing moral life, and prepare them to be ready to give an answer for the faith that they have.

**CHRISTIAN APOLOGETICS & ETHICS:**

Grade 12 | 1 Credit | Year-Long Course | No College Credit

The purpose of this course is to give students an introduction into the skill of defending the faith known as 'apologetics' while also examining the Scriptural, theological, and historical approaches to analyzing ethical decision-making from a Christian worldview. The course will provide a theological foundation of the appropriate use of reason in matters of faith through the lenses of God's Law and Gospel. Topics facing the individual Christian as well as the Church will be discussed.

## **SOCIAL STUDIES – Graduation Requirement: 3.5 credits**

### **Department Purpose**

The purpose of the Social Studies Department is to tell the history (His story) and the role that the Judeo-Christian faith played in the ancient and the modern world, to proclaim the fact that we are in the world and not of the world and that Christ has a purpose for us, and to reach out in faith to spread the gospel to those whom we meet.

### **Department Rationale**

The Social Studies Department endeavors to put students in contact with a God-centered approach to its curriculum. The department wants to promote as well as challenge students to see the social sciences as a valuable part of their past, present, and future. The social studies are those disciplines that study interactions between people and their environment. Because the results of these interactions are not always positive or predictable, students need to practice the skills of cooperation, compromise, adaptation, conflict resolution, innovation, information gathering and human understanding. At the same time, students will learn the ways in which similar interactions have been dealt with in the past to better understand the present and to project the future. Finally, the Lutheran High School social studies curriculum will address the ways Christians can respond in these situations to an otherwise secular world.

### *Sequence:*

*Grade 9: Geography*

*Grade 10: US History, World History, AP US History, AP World History*

*Grade 11: US History, World History, AP US History, AP World History*

*Grade 12: AP US History, AP World History, Psychology, US Government, Macroeconomics*

### **GEOGRAPY:**

Grade 9 | .5 Credit | Semester Course | NO College Credit

This course will provide an overview of world geography with an emphasis on Physical Geography and Geographic Information System (GIS) skills. The five themes of geography: location, place, region, human-environment interaction, and movement will be covered. All freshmen are required to take this course.

### **WORLD HISTORY-ANCIENT:**

Grade 10-11 | .5 Credit | Semester Course | NO College Credit

This course will cover the history of the world from Creation through the Industrial Revolution. Emphasis will be placed on non-Western civilizations. Students will be able to describe the foundations of the modern world including the impact the major world religions have had on world history. Students will learn about the main founding empires, such as the Egyptians Greeks, and Romans and how these Empires have influenced society throughout the rest of history. (Offered in 2023-2024.)

### **WORLD HISTORY-MODERN:**

Grade 10-11 | .5 Credit | Semester Course | NO College Credit

This course will cover the history of the world from the industrial revolution to the present. Students will demonstrate their understanding of the interaction of cultures and their continued impact on the modern world. Students will also learn about our ever-changing world and

how past events have affected our current status as a nation. (Offered in 2023-24.)

### **UNITED STATES HISTORY 1:**

Grade 10-11 | .5 Credit | Semester Course | NO College Credit

This course includes basic historical facts and periods in American history from the early colonization of America to the progressive movement. It is the study of the economic, political, and social changes that occurred in America from the organization of the English Colonies to the end of Reconstruction. The students will learn about the founding of our nation and how America was truly founded on Christian Principles. (Offered in 2024-2025.)

### **UNITED STATES HISTORY 2:**

Grade 10-11 | .5 Credit | Semester Course | NO College Credit

This course includes basic historical facts and periods in American history from the early 1900's to the present. It is the study of the economic, political, and social changes that occurred in America from the Roosevelt administration to the current administration. (Offered in 2024-2025.)

### **UNITED STATES GOVERNMENT:**

Grade 12 | .5 Credit | Semester Course | NO College Credit

This course covers United States government at the national, state, and local levels, with an emphasis on the meaning and history of the United States Constitution.



**UNITED STATES HISTORY-ADVANCED PLACEMENT:**

Grade 10-12 | 1 Credit | Year-long Course | College Credit:  
Yes, with passing AP Test score | Weighted GPA

**Prerequisite: A cumulative GPA of 3.0 or higher and instructor approval.**

This course will help students become familiar with historical facts and periods in United States history. An emphasis will be placed on understanding the causes, effects, and results of individual periods. Students will better understand the political, economic, and social situations today by studying the past. Higher level thinking skills will be stressed through reading, writing, and analyzing documents. This course specifically prepares students to take the AP U.S. History test in May. (Offered in 2024-2025.)

**WORLD HISTORY – ADVANCED PLACEMENT:**

Grade 10-12 | 1 Credit | Year-long Course | College Credit:  
Yes, with passing AP Test score | Weighted GPA

**Prerequisite: A cumulative GPA of 3.0 or higher and instructor approval.**

Students will explore key themes of world history, including interaction with the environment, cultures, state-building, economic systems, and social structures, from approximately 8000 B.C.E. to the present. Students will also learn to apply historical thinking skills including the ability to craft arguments from evidence; describe, analyze and evaluate events from a chronological perspective; compare and contextualize historical developments; and analyze evidence,

reasoning and context to construct and understand historical interpretations. This course specifically prepares a student to take the AP World History test in May. (Offered in 2023-2024.)

**PSYCHOLOGY:**

Grade 11-12 | .5 Credit | Semester Course | NO College Credit

This course is an introduction to the discipline of psychology, including the principles, methods, vocabulary, and major theories in the study of human behavior. Applications of psychology for life and ministry will be examined. Biblical teaching will be brought to bear on the subject matter to enable the student to develop a Christian perspective of psychology.

**MACROECONOMICS:**

Grade 11-12 | .5 Credit | Semester Course | NO College Credit

This course will deal with basic Macroeconomics theories such as: scarcity, factors of production, trade-offs and opportunities costs, types of economic systems, market demand and supply curve, partnerships and corporations, and business consolidation.

## **MATHEMATICS – Graduation Requirement: 3 credits**

### **Department Purpose**

In order to be effective problem solvers of the 21<sup>st</sup> century, students need to understand mathematics. The purpose of the Mathematics Department is to support the development of each student as a problem solver and to provide them with enduring understandings in mathematics in order to be equipped to further God's kingdom and be Christian leaders in their community and world.

### **Department Rationale**

Students must encounter problem situations that require reasoning, computation, and communication to enhance their mathematics preparation. In order to prepare each student for his or her role as an effective problem solver in an increasingly changing world, the Mathematics Program provides instruction in four essential content strands: Number and Operations, Algebraic Relationships, Geometric and Spatial Measurement, and Data Analysis and Probability. The mathematics curriculum is designed to enable students to be successful in college and in employment after leaving high school by helping them apply knowledge in different contexts, articulate their thinking, and efficiently use mathematical processes.

### *General Sequence:*

*Grade 9: Pre-Algebra, Algebra, Geometry*

*Grade 10: Algebra, Geometry, Intermediate Algebra, Algebra 2*

*Grade 11: Geometry, Intermediate Algebra, Algebra 2, Pre-Calculus*

*Grade 12: Algebra 2, Pre-Calculus, AP Calculus, Consumer Math*

### **PRE-ALGEBRA:**

Grade 9 | 1 Credit | Year-long Course | NO College Credit

An introductory course to basic math and algebra skills that are necessary for success in Algebra 1. Starting with a review of the for basic mathematical operations, this course covers: solving equations and inequalities, factorization, working with and applying fraction rules, simplifying exponents, understanding linear functions including graphing lines, simplifying polynomial expressions, and as time allows introductions to Geometry, Proportions and Probability.

### **ALGEBRA 1:**

Grade 9-10 | 1 Credit | Year-long Course | NO College Credit

**Prerequisite: Pre-Algebra and/or qualifying performance on required Algebra Readiness Test.**

This course is designed to emphasize the study of multiple representations of linear and non-linear functions. It includes mathematical concepts for working with rational numbers, various expressions, analyzing and solving linear equations & inequalities, data analysis, probability, statistics, and polynomials. Students will use hands-on materials and calculators when needed in solving problems where the algebra concepts are applied. Students who complete Algebra I should take Geometry next.

### **GEOMETRY:**

Grade 9-12 | 1 Credit | Year-long Course | NO College Credit

**Prerequisite: Algebra I or qualifying performance on required Algebra Mastery Test.**

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. It also emphasizes writing proofs to solve (prove) properties of geometric figures. Students who complete Geometry should take Algebra II next.

### **CONSUMER MATH:**

Grade 10-12 | .5 Credit | Semester Course | NO College Credit

This course is designed to expose students to a variety of real-life math issues, from banking concerns and investments to buying a home and paying taxes.

## **INTERMEDIATE ALGEBRA 2:**

Grade 11-12 | 1 Credit | Year-long Course | NO College Credit

**Prerequisite: Algebra 1 and Geometry or teacher approval.**

This course is designed to engage students at a level between Algebra 1 and Algebra 2. The course continues to develop Algebraic concepts that students need to master for college placement testing and for college. Concepts covered in this course will occur at a slower pace and will not cover higher level application of the concepts. Topics covered include: equation solving, factoring and solving quadratic functions, linear equations, rational expressions and equations, trigonometry, conic sections, and probabilities.

## **ALGEBRA 2:**

Grade 9-12 | 1 Credit | Year-long Course | NO College Credit

**Prerequisite: Geometry.**

An in-depth continuation of the materials studied in Algebra I with emphasis on the theoretical aspects of Algebra as it examines the real and complex number systems. The course also touches on trigonometry, logarithms, and other advanced topics.

## **COLLEGE ALGEBRA**

Grade 11-12 | .5 Credit | Semester Course | College Credit | Weighted GPA if taken for college credit

**Prerequisite: Must have passed Algebra II with a C or higher.**

This course provides a short review of Algebra II, followed by a concise study of algebraic, polynomial, exponential and logarithmic functions and their graphs. Linear, quadratic and systems of equations are included, along with their applications. This course provides a foundation for students wishing to take calculus. (3 college credits if taken as a College in the Classroom course.)

## **PRE-CALCULUS:**

Grade 11-12 | .5 Credit | Semester Course | College Credit | Weighted GPA if taken for college credit

**Prerequisite: Must have passed Algebra II with a C or higher.**

This course covers concepts that are foundational for calculus. Students will work with the unit circle to learn the trigonometric functions and their identities. These functions will be used to solve real-life functions and will be applied in analytic trigonometry. Students will also use trigonometric functions in the study of conic sections in analytic geometry. Additional topics to be covered include probability, vectors, sequences, and series. Students will also gain an introductory understanding of limits. (3 college credits if taken as a College in the Classroom course.)

## **CALCULUS 1 (Part 1)**

Grade 11-12 | .5 Credit | Semester Course | College Credit | Weighted GPA if taken for college credit

**1 Credit. Course Length: Year. Grade Level: 11-12. College Credit**

**Prerequisite: Must have passed Pre-Calculus with a B- or higher.**

This course is the first of a two-part series that covers the first semester of college calculus. Students must take both parts to get credit for Calculus I. Following a review of limits, functions, and trigonometry, derivatives are studied in depth exploring linear, power, and implicit functions. Applications of the derivative are explored including related rates, rates of change, curve sketching, and optimization. (2 college credits if taken as a College in the Classroom course.)

## **CALCULUS 1 (Part 2)**

Grade 11-12 | .5 Credit | Semester Course | College Credit | Weighted GPA if taken for college credit

**Prerequisite: Must have passed Pre-Calculus with a B- or higher.**

This course is the second of a two-part series that covers the first semester of college Calculus. Students must take both parts to get credit for Calculus I. Integration is introduced including work with the definite integral and integral applications. Inverse functions and their derivatives, including exponential, logarithmic and inverse trigonometric functions are also covered. (2 college credits if taken as a College in the Classroom course.)

## SCIENCE – Graduation Requirement: 3 credits

### Department Purpose

The Science and Reasoning Department supports the development of problem solving skills, the integration of technology, and the accumulation of knowledge necessary for the students to be equipped to further God's kingdom and be Christian leaders.

### Department Rationale

The science department at Lutheran High School is concerned with the development of a Creation worldview; God created the universe and established laws and truths to help us fulfill our role as caretakers of His creation. Science courses will incorporate basic science knowledge, problem solving strategies, inquiry-based activities, and diverse methodologies to prepare students for lives of stewardship and leadership.

### *Sequence:*

*Grade 9: Physics and Engineering*

*Grade 10: Biology or Honors Biology*

*Grade 11: Chemistry, College Physics, Advanced Biology – Anatomy & Physiology, Environmental Science, Everyday Chemistry, Astronomy and Meteorology*

*Grade 12: Chemistry, College Physics, Advanced Biology – Anatomy & Physiology, Environmental Science, Everyday Chemistry, Astronomy and Meteorology*

### **PHYSICS AND ENGINEERING:**

Grade 9 | 1 Credit | Year-long Course | NO College Credit

This course strongly recommended for all 9<sup>th</sup> grade students. The course is designed to prepare students for upper-level science classes in high school. Emphasis will be placed on developing laboratory skills and techniques, explaining physical phenomena, and applying mathematical formulas to physical systems. Engineering content will introduce basic CAD software and 3D printing. These engineering skills will be applied in our study of machines and engineering projects throughout the year. Physics topics will include energy, heat, waves, electromagnetic radiation, electricity, magnetism, and gas laws. Through study of the laws and patterns of nature, students will learn about God's design that is evident in the world.

### **BIOLOGY:**

Grade 9-10 | 1 Credit | Year-long Course | NO College Credit

**Prerequisite: Sophomores, juniors, and seniors must have completed Physics and Engineering to enroll in this course. Freshmen must test out of Algebra I and have instructor approval to skip Physics and Engineering.**

Biology is a survey course of the life sciences where students will discuss topics such as the definition of life, cytology (the study of cells), genetics, taxonomy, organismal biology, and an introduction to human anatomy. This course is the intended course for sophomore students taking their second year of science.

### **HONORS BIOLOGY:**

Grade 9-10 | 1 Credit | Year-long Course | NO College Credit

**Prerequisite: Students must pass Physics and Engineering with a C- or better and complete the application into the honors course. Freshmen must test out of Algebra I and have instructor approval to skip Physics and Engineering.**

Honors Biology will cover the same topics as Biology, but in further depth with a higher emphasis on memorization, application, and college preparation. This course is designed for sophomore students that want an extra challenge along their science track. If students are intending to take Anatomy and Physiology, they should be in Honors Biology.

### **ENVIRONMENTAL SCIENCE:**

Grade 11-12 | .5 Credit | Semester Course | NO College Credit

**Prerequisite: Juniors and seniors must have passed Biology or Honors Biology or have taken Chemistry or Everyday Chemistry.**

Environmental Science will investigate the environment and how it relates to organisms and specifically people. Some points of emphasis include but are not limited to water testing, soil sampling, and evaluating some issues in the world dealing with the environment including overpopulation, climate change, hunting, deforestation, pollution, and the like. This course is designed to equip students to both understand their place in the environment and consider their opinions on some of the "hotter" topics dealing with the environment today. (Offered in 2023-2024.)

**EVERYDAY CHEMISTRY:**

Grade 11-12 | .5 Credit | Semester Course | NO College Credit

**Prerequisite:** Passed Physics & Engineering and Biology or placement approved by instructor. Students should not take this course if they have passed Honors Biology or Chemistry with a C or higher or if you intend to take the regular Chemistry course.

Everyday Chemistry is an introductory course designed to cover the main concepts, skills, and applications of chemistry. Topics in this course include: matter classification, atomic structure, chemical reactions, nuclear reactions, and applications of chemistry. Students will learn to separate and identify matter including elements and compounds as well as describe the composition of matter from a subatomic framework. Students will analyze chemical reactions to determine how chemical reactions form and break chemical bonds. Students will investigate conditions necessary for nuclear reactions and the types of radiation produced from these reactions. Students will also explore applications of chemistry in their lives and industry. This course includes numerous labs designed for students to practice measuring and safely handling chemicals. (Offered in 2023-24.)

**CHEMISTRY:**

Grade 10-12 | 1 Credit | Year-long Course | NO College Credit

**Prerequisite:** Must have received a C- or higher in Biology or Honors Biology and Algebra I. Or have instructor approval.

In chemistry students study two fundamental questions of the universe: What is the structure and essence of all matter? And how does matter interact, react, and combine? This course studies the basic terms, theories, and applications of God's building blocks, the elements. The major topics include nomenclature, gas laws, periodic table, atomic structure, bonding, kinetics, acids and bases, and organic chemistry. This class is designed for the college-bound student; higher level thinking and problem solving are involved. During this course, students will learn and practice many standard laboratory techniques used by collegiate and professional labs.

**ADVANCED BIOLOGY: HUMAN ANATOMY & PHYSIOLOGY:**

Grade 11-12 | 1 Credit | Year-long Course | NO College Credit

**Prerequisite:** Juniors and Seniors must have passed Biology or Honors Biology with a C- or higher.

Human Anatomy and Physiology will be a mastery course detailing the structure and function of the body systems in humans. Topics included are basics of anatomy, tissues, and the major body systems in humans. This course is intended to prepare students for Anatomy and Physiology in college, so students that intend to take further biology in college leading specifically to a human medical field are recommended to take this course.

**ASTRONOMY AND METEOROLOGY:**

Grade 11-12 | .5 Credit | Semester Course | NO College Credit

Astronomy and Meteorology is a junior/senior elective science course. In the astronomy portion of the class students will learn about the structure of the solar system, the composition and life progression of stars, the structure of galaxies, and the technology that allows astronomers to study these distant objects. The class will prominently feature discussion on cosmology and the evidence for creation. In the meteorology portion of the class students will learn about local and global weather patterns, measure atmospheric variables, and predict upcoming weather events. Many labs in this class have an engineering component where students will construct, calibrate, and use their own measuring devices to make observations. (Offered in 2024-25).

**COLLEGE PHYSICS:**

Grade 11-12 | 1 Credit | Year-long Course | College Credit | Weighted GPA if taken for college credit

**Prerequisite:** Students must have passed Chemistry and Algebra II with at least a C. Concurrent enrollment in College Algebra/Precalculus or Calculus is recommended.

This college level algebra-based physics class will prepare students for future coursework and careers in science. The course will emphasize critical thinking, problem solving, and quantitative analysis. Topics covered will include vectors and dimensional analysis, kinematics, forces and Newton's laws of motion, work and energy, impulse and momentum, gravitation, rotational and oscillatory motion, waves, and sound. Additional topics may include electrostatics and circuits, special relativity, and optics. Laboratory investigations will include an in-depth analysis of physical situations. Students will use equations and models to make predictions about physical situations and explain outcomes.

## **Elective Courses – Elective Credit**

### **FRESHMEN SEMINAR:**

Grade 9 | .5 Credit | Semester Course | No College Credit

Sequence:

Grade 9: Freshmen Seminar is taken in the first semester.

The Freshmen Seminar is designed to prepare students for success in high school and beyond. This class is required for freshmen and will introduce students to the computer and internet technology. Instruction on specific programs utilized at Mayer Lutheran High School by both students and faculty include: Teams, Windows Live, One Note, MLHS Email, OneDrive, PowerSchool, and Turnitin. Other technology

topics taught include internet safety, ethics and etiquette. Additionally, students will learn important skills to assist them with studying, organization, time management, note taking, test taking and reading comprehension.

### **PERSONAL FINANCE**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

This course addresses personal finance topics such as Christian stewardship, budgeting, credit cards, the impact of debt, and more. It is based on Dave Ramsey's Financial Peace University course.

## **TECHNOLOGY – Graduation Requirement: 1 credit**

### **Department Purpose**

God created all things known and unknown; He also created man to be caretaker for His creation. The Science and Reasoning Department supports this by developing problem solving skills and implementing technology so the students of Lutheran High School will be better equipped to further the Kingdom and be Christian leaders.

### **Department Rationale**

The Vocation and Technology depart at Lutheran High School includes courses in the areas of technology and industrial arts. Students taking these courses will gain skills that will allow them to function and succeed in the business and work world when they leave LHS; as well as prepare them for success in college or technical school by exposing them to area of study that can be continued on the post-secondary level. The courses will improve the students' communication, logic, and decision-making skills. Some of the coursework will also give the students the opportunity to choose a project and experience self-discipline and pride in workmanship while completing the chosen project. By guiding the students through these educational experiences, LHS will help them make mature decisions as Christian leaders in the world of work and everyday life.

*Sequence: Courses can be taken in any order.*

### **MICROSOFT OFFICE:**

Grade 9-12 | .5 Credit | Semester Course | No College Credit

This course covers the Microsoft Office 2013 Suite of applications primarily focusing on Word, Excel, and PowerPoint. Also included are topics on understanding and caring for your personal computer.

### **DIGITAL PHOTOGRAPHY:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

The goal of this course will be to expose the student to the elements of good photography. Common compositional elements will be used to develop the student's creative eye. The student will also incorporate his/her photos into various projects suitable for printing and display. Image editing for the course will be done using Photoshop Elements and will provide an in-depth exposure to the tools, processes, and effects found in Photoshop Elements. Students taking the class must have access to a digital camera or use their cell phone as their camera. For best results, the minimum image size for a cell phone should be 8 megs.

### **MULTIMEDIA PRESENTATIONS:**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

This course focuses on learning to effectively communicate digitally covering video editing using Adobe Premiere Elements, website publishing, and PowerPoint.

### **COMPUTER SYSTEMS:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

In this course students will explore the various aspects of computer systems, including hardware, software, networking, and programming. Students will, whenever possible, engage in hands-on learning as well as participate in project-based learning.

### **PROGRAMMING 1:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: B or higher in Algebra 1 or instructor approval.**

This course will provide a GUI-based programming experience to show students the ease of creating simple programs on the Windows platform. Over the course of the semester the students will develop a framework of programming concepts that will support continued development in any programming language. Course work will also be applicable to real-world applications of programming and, when possible, used to benefit others.

### **IT TEAM INTERNSHIP:**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: A cumulative GPA of at least 2.5 and/or instructor approval.**

In this course students will serve on the IT team at Mayer Lutheran High School under the direction of the Technology Coordinator. Students will be responsible for a variety of different technology-related tasks. Students will engage in project and team-based tasks while being held accountable to complete documentation on a daily and weekly basis. Students will fill out reports on the projects they are assigned to and track hours spent on these projects.

**ADVANCED COMPUTER SCIENCE:**

Grade 11-12 | .5 or 1 Credit | Semester or Year-long Course |  
No College Credit

**Prerequisite: Programming 1 is a prerequisite and teacher approval is required. We also encourage students to have completed Algebra 2.**

Computer science embraces problem solving, hardware, algorithms and perspectives that help people utilize computers to solve real-world problems in everyday life. This course helps prepare the student to be able to take the AP Computer Science A test in May and introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to

processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing.

**AUDIO VIDEO SYSTEMS TECHNOLOGY:**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

The student will gain hands-on technological experience learning sound systems, running sound for chapel services, and using/creating slide presentations. Projects / activities will include: Streaming chapel services, working with Band in the Box, Creating a service using MediaShout, editing .wav files and creating a mix of music and voice using Cakewalk, creating a Christian Music video using Adobe Premiere Elements.



## **SHOP - Elective credit**

*Sequence:*

*Woodworking I, Woodworking II, Woodworking III*

### **WOODWORKING I:**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

This course is designed to enable the student to learn the safe and proper operation of hand and power tools generally associated with a woodworking shop. Each student will have the opportunity to use each of the power tools in the shop in a safe and efficient manner. Through the construction of a variety of projects, the student will come to understand and appreciate the planning, construction, and finishing of items made from a variety of hard and soft woods.

### **WOODWORKING II:**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: Woodworking I.**

The goal of the course is to enable the student to further his/her knowledge of woodworking. Students in Woodworking II will be required to select projects that will

challenge them to do their finest work with an emphasis on projects involving a great deal of detail and needing very careful construction and assembly. Students will explore various techniques used to construct projects in the fields of cabinetry and small building construction. Work in this class will include independent work and a portion of the student's grade will be determined by their work ethic in class.

### **WOODWORKING III:**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: Woodworking I, Woodworking II, instructor approval.**

Woodworking III is designed for the student who is interested in independently working on more advanced wood working projects. Students will research, plan, construct, and finish projects with the approval of the Instructor. This class will help prepare students who are interested in perusing a career in the construction industry.

## FINE ARTS (MUSIC & VISUAL ARTS) – Graduation Requirement: 1 Credit

### MUSIC

#### Department Purpose

Music is an art form that allows a human being to take the dry, technically boring, techniques required to produce sound and use them to create emotion. That is why we teach music: so you will be human, so you will recognize beauty, so you will be closer to God, so you will have more love, more compassion, more gentleness, more good - in short, more Life.

#### Department Rationale

Music is a gift of God. It is a special blessing because He asks His creatures to use that gift to praise His Holy Name. (Psalm 95; 96; 98; 150) The study of music allows us to develop aesthetic sensitivity, critical thinking skills, self-expression, and creativity. In music, people find the freedom and means to express their most personal thoughts and emotions. This expression is vital to our emotional growth and health as well as contributing to our spiritual wellbeing.

#### *Sequence:*

*Can be taken at any time. Students with vocal and instrumental gifts are encouraged to take Concert Choir and/or Wind Ensemble during high school.*

#### **GUITAR CLASS:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

No previous guitar experience is required. This is an elective course for beginning guitarists with no experience on the instrument. Students will learn open chords, movable chords, single note (melody) playing, and accompaniment techniques. The course also includes music fundamentals, theory, songs, performances, listening, improvising, and learning to read standard music notation as well as tablature.

#### **CONCERT CHOIR:**

Grade 9-12 | 1 Credit | Semester Course | No College Credit

**Prerequisite: Pass an audition with the choir director.**

Concert Choir members are selected through auditions each spring. The choir is involved in an active performance scheduling including home concerts and Sunday morning worship services in area Lutheran churches.

#### **WIND ENSEMBLE:**

Grade 9-12 | 1 Credit | Year-long Course | No College Credit

**Prerequisite: Pass an audition with the band director or reasonable ability on your instrument.**

A performance oriented course that uses the God-given talents of young musicians to praise God through music.

Musicians will study performance techniques including: basic theory, intonation, scales, tone, rhythm, balance and interpretation. Musicians will develop skills necessary to continue instrument performance/study after high school. Musicians will perform at least three major concerts a year in addition to various church service, pep band, and contest/festival performances. Wind Ensemble members also share their God-given abilities with audiences across America on biannual musical tours. Wind Ensemble tours on even-numbered years in the spring.

## VISUAL ARTS

### Department Purpose

The Visual Arts Department supports the development of creative problem-solving skills while observing God's creation through an artist's eye. Intentionally supporting the school's mission by nurturing skillful artists, ready to impact the world for Christ, while establishing a life-long appreciation for the arts.

### Department Rationale

#### **Artistic Foundations**

The art program emphasizes the skills of observing and drawing, visual thinking, creativity, skill development, problem solving, persistence, personal expression, and critical analysis. Learning to take informed risks and being inventive in making images and objects are central to the program. Students will be able to recognize and become successful at using the elements of art and principles of design in their work. Fundamental and advanced levels of design, drawing, painting, ceramics, sculpture, art history, and contemporary art are pillars of the curriculum. Students will work through a wide variety of mediums

#### **Classroom (create or make)**

The classroom is where students are strongly encouraged to learn technique, tackle the creative process head-on, take risks, foster self-knowledge, and grow as artists. Through in-depth classroom instruction by an artist-teacher, students are exposed to the fundamentals of technique, encouraged to fully explore these elements in a personal way, and to reflect on their work as well as the work of others. In other words, the classroom is the foundation for students for building their technique and approach to their work, as well as developing a deeper understanding of the process.

#### **Exhibition (present)**

Public art exhibition is a vital part of the creative process, and all artists need to experience a public aspect of sharing their work. There are several opportunities throughout the year for students to demonstrate their skills whether it be in the classroom, at a school sponsored art exhibit, a juried art show, or at an art gallery. The focus of exhibition is to create a dialogue and enhance the connection between artist and their audience.

#### **Critique (respond or critique)**

Reflection and critique deepen our knowledge of who we are as artists and God's children. Reflection is built into the daily classroom instruction. The creative process is on-going, never ending, and not an end in and of itself. Each experience builds on the last, and propels an artist's work into the future. Teacher and student-led critique sessions are incorporated into each class to celebrate successes as well as shed light on what can make future projects better. This process results in a determination to continue to explore, deepen students' understanding, encourages constructive critique and responding to that critique, and courage to pursue their individual voice.

### **FUNDAMENTALS OF ART:**

Grade 9-12 | .5 Credit | Semester Course | No College Credit

This course is designed to enhance the enjoyment of visual arts by studying the elements of art and principles of design while working with a wide variety of materials to create works of art. A short survey of art history, art movements, and artist's styles is incorporated into the course to deepen the understanding of art's role in daily life.

### **CERAMICS I:**

Grade 9-12 | .5 Credit | Semester Course | No College Credit

Students will learn to make pots by a variety of methods. Basic glazing techniques and a historical overview of ceramics are also part of the course. Emphasis is on making well-designed, well-crafted pots, both by hand and on the wheel. Assignments provide a great deal of latitude for creativity.

### **DRAWING:**

Grade 9-12 | .5 Credit | Semester Course | No College Credit

Students will enhance their ability to draw, through observation and practice, with line, value, texture, perspective, volume, detail, composition, and the relationship of individual elements.

### **CERAMICS II:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

#### **Prerequisite: Ceramics I.**

Explore new ways to construct works of art from clay. Enhance skills developed in Ceramics 1, learn casting, figure sculpture, glazing techniques, and advanced work on the wheel. Much of the semester is spent working independently (with teacher instruction/demonstration) on individually chosen projects.

**PAINTING:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: Drawing.**

Students apply color and design theory to expressive communication on canvas. Subjects for paintings include still life, landscape, figure, and abstraction. The class also studies major movements in art and standards for evaluating paintings.

**SCULPTURE:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: At least one of the following classes - Drawing or Ceramics 1.**

A study of the basic additive and subtractive methods of creating three-dimensional forms. Students work with wire, clay, wood, plaster, and other materials to create pieces, which reflect proficiency with the materials and understanding of aesthetics. (Offered in 2024-2025.)

**STUDIO ART:**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

**Students are encouraged to wait until their senior year.**

**Prerequisite: Two previous art courses, demonstrated expertise and interest, and art teacher approval.**

This is a course for students who wish to do advanced work in an area of art of their choosing. Each student completes a written project proposal for each work of art. Students may get tutoring from the instructor, other students, artists outside the classroom, and the internet. The internet will be used to research areas of art. Students may choose to spend the entire semester in one medium or may try several media. Each student will create a portfolio of their work in one area of art. The student may choose to create a 2-D Design, 3-D Design, Drawing, or Painting portfolio. The portfolio will be graded on quality of work, mastery of design, concept, concentration (a body of work that is unified by an underlying idea that has visual coherence), and breadth (works demonstrating a variety of design principles or drawing/painting techniques).

## **PHYSICAL EDUCATION/HEALTH – Graduation Requirement: 1.5 credits**

(including one semester of Health)

### **Department Rationale**

Physical education courses will provide lifetime learning opportunities that benefit all students. The content will stress the knowledge, skills, and develop the confidence students need to maintain meaningful physical activity throughout their lifetime.

Physical education involves not only learning about physical fitness and lifetime recreation activities, but also the development and use of skills and proficiencies for participation in a variety of those activities. As Christians, we recognize that our bodies are gifts from God. Therefore the physical education curriculum emphasizes care for our bodies through instruction related to nutrition and exercise. Social and emotional skills are taught in close interaction between classmates. Knowledge of the benefits of physical activity is applied resulting in healthy lifestyles.

Physical education supports the philosophy of providing challenging learning opportunities which strive for excellence and to prepare the next generation of Christian leaders.

Fitness classes will provide the foundation for physical fitness. These classes will provide a variety of different anaerobic and aerobic conditioning activities to teach students the importance of fitness. These classes will also analyze their eating habits and how they relate to their fitness performance.

Activity classes will provide students with the opportunity to explore a variety of physical activities in search of ones they enjoy and would choose to participate in for a lifetime.

### **HEALTH:**

Grade 9-10 | .5 Credit | Semester Course | No College Credit

The emphasis and goal of this required class is for students to recognize and practice safe health habits. A wide variety of health topics are taught starting with mental health and self-esteem. A study of Erickson's stages of growth from birth to old age with an emphasis on adolescence helps students cope with the normal ups and downs of teenage life. Problems and diseases associated with body systems are studied. Learning about the components of physical fitness as opposed to physical skills (along with a fitness test), help students recognize their individual fitness level and help them start to think about and plan for becoming fit and remaining fit for a lifetime. The dangers and problems connected with substance abuse are taught with the goal of students making God-pleasing choices that will affect their body now and in the years to come. Proper nutrition from all the basic food groups rounds out education of the three basic health habits of getting proper rest, exercise, and eating right. If time permits, basic first-aid instruction will be covered.

### **FITNESS FOR LIFE:**

Grade 9-12 | .5 Credit | Semester Course | No College Credit

This course will have each student acquire knowledge about benefits of physical activity and about the principles of fitness. By participating in different activities, the student will have the opportunity to build all parts of health and skill-related fitness. Students will be involved with anaerobic and aerobic activities such as weight training, aerobics, stretching, circuit training, running, soccer, Tae-Bo, floor hockey, cross country skiing, jump rope activities, and other various

activities. This class may be repeated as students increase their goals in their training program.

### **COED 1:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

This PE class helps students learn more about recreational activities, games and sports that can be done throughout life. Most of these units will be individual and dual activities. The activities in this class will be: archery, badminton, bocce ball, bowling, croquet, Frisbee golf, golf, pickleball, shuffleboard, darts, and ping-pong. A basic unit involves an in-depth study of the history, background, teaching skills, and game strategy followed by competitive games and tournaments. A written test and skills test complete the unit. Daily points for participation are awarded based on sportsmanship, activity involvement, attitude, and respect for others. This class may be repeated.

### **COED 2:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

This PE class helps students learn more about team sports and fundamental skills. Most of these units will emphasize team sports and team activities. Basic skills are taught for skill improvement and testing to gain a fuller experience and appreciation of the activity. Team play will comprise the main time, which builds on cooperation, playing by the rules, good sportsmanship, positive interaction, support of teammates and treating opponents with respect. The activities in this class will be: speedball, soccer, volleyball, basketball, floor hockey, softball, track and field, and ultimate Frisbee. A written test and skills test complete the unit. Daily

points for participation are awarded based on sportsmanship, activity involvement, attitude, and respect for others. This class may be repeated.

**ADVANCED PE:**

Grade 10-12 | .5 Credit | Semester Course | No College Credit

This class is designed for students to improve their power, strength, and quickness. Students begin by establishing a personal weight-lifting program. The three core lifts (bench, squat, and clean) are mandatory lifts. Auxiliary lifts for specializing are built into the program; three days a week will be core lifting and two days a week will be plyometric training and conditioning. Mayer LHS offers an excellent weight-room facility with lots of free weights and lifting stations. In addition, a full line of nautilus equipment is available as students progress through an increasing program. This class may be repeated as students increase their goals in their training program.

**PRINCIPLES OF ATHLETIC TRAINING:**

Grade 11-12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: Students taking this course should have taken Biology already.**

Students going into the medical field, teaching and/or coaching should consider taking this course. This upper-level class will be of interest to those that have an interest in the teaching and coaching field and/or the medical field; physical therapy, athletic training, nursing, doctor and/or sports medicine. The course is designed to lead students from general foundations to specific concepts relative to injury prevention, evaluation, management and rehabilitation. A wide variety of sports medicine topics will be the target starting with the history of athletic training. Other topics that are covered include: nutritional considerations, drugs and sports, first-aid emergency procedures, psychology of sports, injury/illness and there will be a hands-on unit in bandaging and taping.

## **PSEO AND ONLINE COURSES:**

Mayer Lutheran offers independent study in two categories:

Category 1: for high school credit

Category 2: for dual credit, high school and college, via PSEO courses taken online or on the college campus.

### **Category 1: 1/2 credit. Semester/Grade 10-12.**

Additional credits may be earned through outside curriculum providers. *This requires the approval of the principal and guidance counselor.*

### **Category 2: 1/2 credit. Semester/Grade 11-12.**

**Prerequisites: Vary by college. Contact the Guidance Counselor for more information.**

These classes are taken either on the college campus or online at Mayer Lutheran High School under the supervision of a Mayer Lutheran teacher. Maximum of 2 PSEO online classes per semester. *Exceeding this number requires that the course be outside the scope of courses offered at Mayer Lutheran High School and the approval of the principal.*

## **STUDENT/TEACHER-STAFF ASSISTANCE OPTIONS – Graduation Requirement: Elective credit**

### **LEARNING LAB:**

Grade 9-12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: GPA of 2.25 or lower, Individualized Education Program (IEP), working under an academic plan, or formal request through resource teacher, classroom teacher and/or Principal.**

Learning Lab is supervised by a teacher. The goal of the class: provide students in grades 9-12 with extra support, make progress towards IEP and/or personal academic goals, offer remediation to classwork and homework when necessary, provide additional structure, and/or provide time for supervised homework completion. Class size is limited to 10. **Maximum of 1 credit per enrollment duration at Mayer Lutheran unless administrative approval is given to exceed the 1 credit.** Pass/Fail Grading.

### **CLERICAL ASSISTANT:**

Grade 12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: GPA of 3.3 or higher and/or administrative approval.**

An office assistant works in the office one period per day assisting the office personnel in attendance, duplicating, filing, assembly, and the like. Under normal conditions, this is not a study period, although at times some studying may be done. Applications should be made through the Guidance Counselor, and the Principal must give approval. Credit will be earned at the semester and will become part of the report card and permanent record. Maximum of 1 credit. Pass/Fail grading.

### **TEACHER'S ASSISTANT:**

Grade 12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: GPA of 3.3 or higher and/or administrative approval, student in good standing and permission of a teacher.**

An aide is assigned for one period and works under teacher supervision. Maximum of 1 credit per enrollment duration at Mayer Lutheran. Pass/Fail grading.

### **KITCHEN ASSISTANT:**

Grade 12 | .5 Credit | Semester Course | No College Credit

**Prerequisite: GPA of 2.5 or higher and/or administrative approval, student in good standing.**

A Kitchen Assistant performs tasks that facilitate the school's lunch program Maximum of 1 credit per enrollment duration at Mayer Lutheran. Pass/Fail grading.