



MARIAN

**CURRICULUM  
HANDBOOK**

**2019-2020 School Year**

# CURRICULUM HANDBOOK

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MARIAN

## MISSION STATEMENT

Marian High School is a Catholic college preparatory school for young women founded by the Servants of Mary and dedicated to Mary, the Mother of God. Marian teaches the beliefs of the Roman Catholic faith in a caring and loving community atmosphere.

***The mission of Marian High School is to commit all its resources to the college preparatory education of young women, teaching them to be leaders and life-long learners in a society where their talents and faith will give hope to the world.***

Marian  
7400 Military Avenue  
Omaha, NE 68134

## **ACADEMIC INFORMATION**

### **GRADUATION REQUIREMENTS**

Semester credits required for graduation are:

	<u>Class of 2020 &amp; 2021</u>
Theology	8
English	8
Math	6
Social Studies	6
Science	6
World Language	4
Fine Arts	2
Physical Education	2
Electives	8
Total	50

	<u>Class of 2022 &amp; 2023</u>
Theology	8
English	8
Math	6
Social Studies	6
Science	6
World Language	4
Fine Arts	2
Physical Education	2
Economics	1
Electives	7
Total	50

### **CURRICULUM:**

Marian offers all students a highly academic college preparatory course of studies. There are also honors courses available. These are designed for the advanced students who qualify for placement. Grades are weighted according to college preparatory classes and Honors/AP classes. Marian has a 4.0 weighted GPA (see pg. 3).

### **COURSE PLANNING:**

All students are expected to take seven courses each semester. Students work with counselors to develop and update a four-year sequence of courses consistent with the student's ability and interests.

### **COURSE AVAILABILITY:**

The school reserves the right to drop a course for which there is insufficient registration, regardless of whether the course is published in this curriculum handbook.

### **SCHEDULE CHANGES:**

The master teacher schedule is determined by class requests made by students during registration. Faculty is hired based on these class requests. Therefore, do not expect schedule changes other than a class level change. If any other change is made, there is a \$50 fee charged beginning August 1 for first semester and December 16, for second semester schedule changes. Classes may not be dropped/added after the second week of the semester. Level changes must be completed by the fourth week of the semester.

**QUALITY POINTS  
Assigned for Grade Point Divisions:**

		<u>HONORS/AP</u>	<u>COLLEGE PREP</u>
A	94-100	4.5	4.0
A-	93	4.5	4.0
B+	90-92	4.0	3.5
B	87-89	3.5	3.0
B-	85-86	3.5	3.0
C+	82-84	3.0	2.5
C	79-81	2.5	2.0
C-	77-78	2.5	2.0
D+	74-76	2.0	1.5
D	71-73	1.5	1.0
D-	70	1.5	1.0
F	0-69	0.0	0.0

**NOTE:** A minus grade serves as a warning to students that they are in the lower percentage of a letter grade, but does not carry a separate quality point.

### **PROGRESS REPORTS:**

Progress reports are available through PowerSchool at the middle of each quarter. PowerSchool may be accessed by students, parents and/or guardians at any time to view current grades.

### **REPORT CARDS:**

Report cards are available through PowerSchool at the end of the first and third quarters and at the end of the first and second semester. Only the semester-end grades are a matter of permanent record.

### **ACADEMIC PROBATION:**

Students who fail two or more classes in a semester are placed on academic probation. Failing another course in the following semester will result in dismissal from Marian.

### **SENIOR ACADEMIC REQUIREMENT:**

Seniors who fail a required course must be able to retake the course at Marian or at another school during the second semester of their senior year in order to remain at Marian second semester.

**Seniors must begin second semester taking all credits necessary for graduation.**

## **ADVANCED PLACEMENT PROGRAM:**

The Advanced Placement (AP) Program, sponsored by the College Board, enables Marian students in some cases to receive college credit for college-level work. Students must consult the college or university of their choice to determine if credit is given for AP Exams. These exams are administered at Marian in May under the auspices of the College Board. The current fee per exam is \$94, though fee is subject to change. Course numbers and titles are:

125	H/AP English Literature & Composition
135	H/AP English Language & Composition
230	H/AP Statistics
240	H/AP Calculus AB
250	H/AP Calculus BC
320	H/AP American Government
390	H/AP European History
380	H/AP United States History
420	H/AP Biology II
440	H/AP Chemistry II
560	H/AP Spanish V
680	H/AP Computer Science A (Java Programming)
660	H/AP Computer Science Principles
888	H/AP Music Theory

## **DUAL ENROLLMENT:**

College credit is available from Nebraska Wesleyan University, University of Nebraska at Omaha and Metropolitan Community College for some courses taken at Marian. Students should contact their teacher for information and prerequisites. Colleges, course numbers and titles are:

### **University of Nebraska at Omaha:**

230	H/AP Statistics
240	H/AP Calculus AB
250	H/AP Calculus BC
320	H/AP American Government
380	H/AP United States History
420	H/AP Biology II
560	H/AP Spanish V
655	Cyber-Security

### **Nebraska Wesleyan University:**

125	H/AP English Literature & Composition
134	Honors World Literature
135	H/AP English Language & Composition
440	H/AP Chemistry II

### **Metropolitan Community College:**

667	Introduction to Business
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## **HONOR ROLL:**

The Honor Roll is computed at the end of the first and second semesters. It is achieved by earning a weighted grade point average of 3.50 or above. The student's weighted cumulative grade point average appears on the semester report card and permanent transcript.

## **FINAL RANKING:**

The final ranking posted on the student's permanent record is her weighted grade point average for all the semesters she has attended Marian. Beginning with the Class of 2021, Marian will not report class rank.

## **GRADUATION HONORS:**

Because the valedictorian and salutatorian must be selected before eighth semester work is completed, the valedictorian and salutatorian are named based on seven semesters' work. In order to be considered for valedictorian or salutatorian, a student must have entered Marian by the first semester of her sophomore year.

Students with a cumulative grade point average of 4.1 or above after eight semesters will graduate with high honors. Students with a cumulative grade point average of 3.8 to 4.09 will graduate with honors. Graduating with honors or high honors is noted on both the transcript and diploma.

## **HONOR SOCIETIES:**

Membership information can be found in the Parent/Student Handbook.

- National Honor Society
- National Junior Classical League (Latin)
- Mu Alpha Theta (Math)
- National Forensic League (Speech)
- National French Honor Society
- National Spanish Honor Society
- National Science Honor Society
- Rho Kappa (Social Studies)
- National English Society
- Quill and Scroll International Society for High School Journalists

## **FRESHMAN SEMINAR:**

All freshmen will complete a non-credit Freshman Seminar Program. The three components of this program are study skills (meets four times in the fall), library research skills (fall and spring session) and finals workshop (fall session).

### **Study Skills Include:**

- Effectively Filling Out Agenda
- Time Management/Homework
- Effectively Taking Notes
- Test Preparation and How to Use Study Hall Effectively
- Clubs/Involvement at Marian
- Where to Get Help (Math Tutor, NHS Tutors, Counselors, Learning Services Coordinator)
- How to Use the iPad Effectively
- Learning Styles Assessment
- Goal-Setting
- Organization Strategies Including Email, Electronic Documents, Folders, etc.
- PowerSchool, eBackpack, Naviance Student, Turnitin

### **Library Research Skills Include:**

- Follett Destiny (Computerized Library Catalog)
- Researching Databases – EBSCO, Gale Country Watch, Opposing Viewpoints, Follett Resources
- Introduction to Overdrive and Follett Bookshelf
- Digital Citizenship (Using the Internet and Ethical Usage)
- Citing Resources

### **Finals Workshop:**

- Introduce Schedule for Finals
- Ways of Studying
- Organizing Materials
- Organizing Time
- Studying with Others
- Ways to Help Focus
- Where to Study
- Fill Out Finals Study Planner

## **SCHOOL FEES**

Registration/Activity	\$350.00
Graduation	\$225.00

Please Note: The non-refundable \$350.00 registration payment, (\$50.00 registration and \$300.00 activity fee) covers the following:

### **REGISTRATION FEE:**

Cost of processing registration materials, building of the master schedule and planning personnel needs.

### **ACTIVITY FEE:**

- Full-Color Yearbook
- Monthly School Newspaper
- Athletic Game Admissions
- School I.D. Card
- Retreats
- Curriculum Handbook
- Special Events
- Fitness Center
- Nurse's Service
- Field Day Expenses
- ACT Prep Class

# { THEOLOGY }

Theology I  
Theology II  
Theology III  
Theology IV

## **GRADUATION REQUIREMENT: 8 Semesters**

Four full years of theology are required for graduation.

**RETREAT REQUIREMENT:** Each student is required to make an annual Marian retreat. A student cannot graduate unless she has made her class retreat or a make-up retreat each of the years that she is a student at Marian. The retreat is part of the Marian philosophy of spiritual growth. The retreat is a special day of prayer and reflection.

## **002 Theology I**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Required for freshmen**

**Course:** The first semester is entitled “The Revelation of Jesus Christ in Scripture.” The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

The second semester is entitled “Who is Jesus Christ?” The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person in the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

This course includes the first two core courses in the United States Conference of Catholic Bishops’ Curriculum Framework.

## **003 Theology II**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Required for sophomores**

**Course:** The first semester is entitled “The Mission of Jesus Christ (the Paschal Mystery).” The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

The second semester is entitled “Jesus Christ’s Mission Continues in the Church.” The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

This course includes the third and fourth core courses in the United States Conference of Catholic Bishops’ Curriculum Framework.

### **004 Theology III**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Required for juniors**

**Course:** The first semester is entitled: "Sacraments as Privileged Encounters with Jesus Christ." The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

The second semester is entitled: "Life in Jesus Christ." The purpose of this course is to help students understand that through Christ they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

This course includes the fifth and sixth core courses in the United States Conference of Catholic Bishops' Curriculum Framework.

## **005 Theology IV**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Required for seniors**

**Course:** The first semester is entitled: “Ecumenical and Inter-Religious Issues.” The purpose of this course is to help students understand the manner in which the Catholic Church relates to other religions of the world as well as to other Christian denominations. This course is intended to help students recognize the ways in which important spiritual truths are expressed in non-Christian religions, and to explore how various Christian religions live out the call to discipleship in Christ. The course is also intended to help the students recognize and articulate the ways in which other systems of belief and practice differ from the Catholic faith.

The second semester is entitled: “Living as a Disciple of Jesus Christ in Society.” The purpose of this course is to introduce students to the Church’s social teaching. In this course, students will learn how Christ’s concern for others, especially the poor and those in need, is present today in the Church’s social teaching and mission. Students will not only analyze societal structures and policies from this perspective, but also be an active participant in the deepest needs of our community. Students will examine their own beliefs and values as they work for a more just society that is founded upon the Gospel of Jesus Christ.

This course includes two elective courses in the United States Conference of Catholic Bishops’ Curriculum Framework.

# { ENGLISH }

Honors Composition and Literature  
Composition & Literature  
Honors American Literature and Composition  
American Literature and Composition  
Honors/AP English Literature and Composition  
English Literature and Composition  
Honors World Literature and Composition  
World Literature and Composition  
Honors/AP English Language and Composition  
Honors Journalism II  
Journalism I  
Novice Competitive Speaking  
Honors Varsity Competitive Speaking and Debate  
Creative Writing

## **GRADUATION REQUIREMENT: 8 Semesters**

Journalism I (141), Honors Journalism II (140), Novice Competitive Speaking (161), Honors Varsity Competitive Speaking & Debate (170) and Creative Writing (181) do not fulfill the graduation requirement for English.

### **100 Honors Composition and Literature**

(GPD-H) (2 semesters)

**Prerequisite:** Marian Placement Examination scores will determine placement.

**Open to freshmen**

**Course:** This course is a challenging, highly accelerated, extremely intensive literature-based introduction to composition. The course requires a superior reading level; a thorough knowledge of grammar and usage; and a superior speaking and writing vocabulary.

### **101 Composition and Literature**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Open to freshmen**

**Course:** This course is a literature-based introduction to composition. The genres of the short story, drama, non-fiction and the novel will be emphasized. Students will study and practice composition, grammar and vocabulary.

### **110 Honors American Literature and Composition**

(GPD-H) (2 semesters)

**Prerequisite:** Honors Composition & Literature teacher recommendation and a minimum grade of B+ in Course 100

**Open to sophomores**

**Course:** This course is a highly accelerated, chronologically-ordered survey of major American writers from the Puritans to the present. Students will write MLA-format primary-source and secondary-source papers, timed essays and essay examinations. The course requires a superior reading level; a thorough knowledge of grammar and usage; and a superior speaking and writing vocabulary.

### **111 American Literature and Composition**

(GPD-CP) (2 semesters)

**Prerequisite:** Composition and Literature

**Open to sophomores**

**Course:** This course is a chronologically-ordered survey course emphasizing major American writers from the Puritans to the present. Students will write MLA-format primary-source essays, secondary-source papers, timed essays and essay examinations and will practice selected speech and grammar skills.

### **125 Honors/AP English Literature and Composition**

(GPD-H/AP) (2 semesters)

**Prerequisites:** Honors American Lit. & Composition teacher recommendation and a minimum grade of B+ in Course 110

**Open to juniors**

**Course:** This course is an extremely accelerated, chronologically-ordered survey of British literature from *Beowulf* to the present. Students will write in-class essays, the MLA-format primary-source and secondary-source papers, and essay examinations. Students will have the option of writing the Advanced Placement Examination and/or taking this course for dual enrollment through Nebraska Wesleyan University.

### **126 English Literature and Composition**

(GPD-CP) (2 semesters)

**Prerequisites:** American Literature & Composition

**Open to juniors**

**Course:** This is a chronologically-ordered survey of British literature from *Beowulf* to the present. Students will write in-class essays, the MLA-format primary-source and secondary-source papers, and essay examinations.

### **131 World Literature and Composition**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Open to seniors**

**Course:** This course is a multi-cultural, multi-genre survey of the literature from the ancient world to the present. Students will write MLA-format primary- and secondary-source papers, timed essays and essay examinations; will give oral presentations; and will complete several research projects.

### **134 Honors World Literature and Composition**

(GPD-H) (2 semesters)

**Prerequisites:** Honors/AP English Literature teacher recommendation and a minimum grade of B+ in course 125

**Open to seniors**

**Course:** This course is a highly accelerated, multi-cultural, multi-genre survey of literature pertaining to the ancient world through the present day. Combining reading, public speaking, and writing, this course will enable students to use literature as a springboard to study history, current events, and their relationships with these ideas. Students will write MLA-format essays (primary and secondary source), complete timed essays, give oral presentations, and complete extensive research projects. Extra emphasis on research methods is employed within this class to prepare students for college study and beyond. Students will have the option of taking this course for dual enrollment through Nebraska Wesleyan University.

### **135 Honors/AP English Language and Composition**

(GPD-H/AP) (2 semesters)

**Prerequisite:** One prior English honors course or a minimum average of B+ in English

#### **Open to seniors**

**Course:** This course engages students in becoming skilled readers of complex non-fiction prose written in a variety of rhetorical contexts, skilled writers of argumentative essays on non-literary topics, and skilled presenters of researched arguments. The intense concentration on language enhances students' understanding of the way writers' rhetorical and linguistic choices contribute to effectiveness in writing, thus enabling students to develop greater stylistic maturity in their own prose. Students have the options of writing the Advanced Placement Examination and/or taking this course for dual enrollment through Nebraska Wesleyan University.

### **140 Honors Journalism II**

(GPD-H) (2 semesters)

**Prerequisite:** Journalism I and journalism teacher recommendation

#### **Open to seniors**

**Course:** At the end of the Journalism I program, students apply for a staff position on the newspaper or yearbook. Leadership positions are then chosen by the adviser and may involve an interview process. The classes create **The Network** student newspaper and **The Crusader** yearbook as well as maintain online publication sites and other publication-related projects.

### **141 Journalism I**

(GPD-CP) (2 semesters)

**Prerequisite:** Minimum grade of B in Course 110/111 and current English teacher recommendation and placement assessments.

**Open to juniors**

**Course:** This course is designed to prepare students for student publications. Students will study journalism history and learn basic journalistic writing, broadcasting, design and photography skills. Students will produce a spring publication showcasing their skills and contribute to the online publication. Each student will work with a small group to produce the weekly video news broadcast "M-Beat Broadcast." This course begins a two-year commitment to Marian's journalism program. (Due to lab size, total enrollment is limited.)

### **161 Novice Competitive Speaking**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Open to all grades**

**Course:** This course introduces basic skills and experience in public speaking, oral interpretation of literature and limited-preparation speech events. Students are required to participate in speech contests and the Marian-sponsored tournaments.

### **172 Honors Varsity Competitive Speaking and Debate**

(GPD-H) (2 semesters)

**Prerequisite:** Novice Competitive Speaking or teacher recommendation

**Open to sophomores, juniors, and seniors**

**Course:** This course teaches advanced skills in public speaking, oral interpretation of literature, limited-preparation speech events and competitive debate events. Students are required to participate in speech or debate contests and the Marian-sponsored tournaments.

**181 Creative Writing**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to juniors and seniors**

**Course:** This course will teach students how to write original works in a variety of genres. Students will have the opportunity to write, share, and revise as they hone their writing techniques. Students will also learn techniques for evaluating writing. Students may also submit contributions to local and state contests and/or publications.

# { MATHEMATICS }

Honors Algebra/Advanced Algebra  
Algebra  
Honors Geometry/Advanced Algebra  
Geometry  
Honors Pre-Calculus  
Advanced Algebra w/Trigonometry  
Honors Advanced Algebra w/ Trigonometry  
Honors/AP Statistics  
Advanced Algebra  
Honors/AP Calculus AB  
Pre-Calculus  
Honors/AP Calculus BC  
Statistics  
Advanced Algebra (summer school only)  
College Math

## **GRADUATION REQUIREMENT: 6 Semesters**

Although three full-year courses in mathematics at Marian are required for graduation, most colleges and universities highly recommend or require that students complete mathematics beyond advanced algebra. This should include a study of an advanced math course including a detailed study of trigonometry.

## **200 Honors Algebra/Advanced Algebra**

(GPD-H) (2 semesters)

**Prerequisite:** Teacher recommendation based on Placement Examination scores.

**Open to freshmen**

**Course:** This is a HIGHLY advanced, fast-paced course which covers **one and a half years** of math. Semester one is a review of Algebra 1 topics with a concentration on the concepts of simplification and solution of rational expressions, polynomials, radicals and quadratics. Semester 2 covers advanced algebra topics. (Deviation from the requirements requires a waiver and administration permission)

## **201 Algebra**

(GPD-CP) (2 semesters)

**Prerequisite:** Teacher recommendation

**Open to all freshmen**

**Course:** This is an accelerated Algebra 1 course which covers all algebra topics. Applications and problem solving are emphasized. Students in this class will already have a background in algebra.

## **203 Algebra**

(GPD-CP) (2 semesters)

**Prerequisite:** Teacher recommendation and successful completion of required summer school class.

**Open to freshmen**

**Course:** This is an Algebra 1 course. It covers tools of algebra, equations, variables, proportions, ratios, percents, relations, linear functions, systems of equations, exponents and factoring. Applications and problem solving are covered. Students in this class may have a background in algebra.

## **210 Honors Geometry/Advanced Algebra**

(GPD-H) (2 semesters)

**Prerequisite:** Honors Algebra/Advanced Algebra 200 or Advanced Algebra 275 with Teacher Recommendation

**Open to sophomores and freshmen who are recommended based on the Marian Placement Examination and will complete the Advanced Algebra topics covered in course 200. (A summer course, Advanced Algebra 275, is required for students who need to cover the advanced algebra skills necessary for 210)**

**Course:** This is a highly accelerated course in which one and a half years of math are covered. Geometry is taught with an emphasis on reasoning and application. Some of the Advanced Algebra topics covered are polynomial functions, conics, quadratic relations and systems, and logarithms. **All students need a Texas Instrument 84 graphing calculator.**

## **211 Geometry**

(GPD-CP) (2 semesters)

**Prerequisite:** Algebra 201

**Open to sophomores or freshmen who show mastery on the Marian Algebra placement test given in May.**

**Course:** This course covers all geometry topics. Emphasis is placed on visualization, analysis, investigation and application. Algebra is used extensively throughout the course.

## **213 Geometry**

(GPD-CP) (2 semesters)

**Prerequisite:** Algebra 203 or Teacher Recommendation

**Open to sophomores**

**Course:** This course covers tools of geometry, reason and logic, parallel and perpendicular lines, congruent triangles, other triangle properties, quadrilaterals, area, similarity and proportions, introduction to right triangle trigonometry and introduction to surface area and volume. Algebra is used throughout this course.

## **220 Honors Pre-Calculus**

(GPD-H) (2 semesters)

**Prerequisite:** Honors Geometry/Advanced Algebra 210 or Advanced Algebra 221 with teacher recommendation and B+ grade or higher.

**Open to sophomores, juniors, and seniors**

**Course:** This course is an intensive study designed for the student with a strong interest in math or a math-related career. Some topics included in this class are: trigonometry, polynomial, exponential and logarithmic functions as well as sequences, probability and an introduction to calculus. **All students need a Texas Instrument 84 graphing calculator.**

## **221 Advanced Algebra with Trigonometry**

(GPD-CP) (2 semesters)

**Prerequisite:** Algebra 201 and Geometry 211

**Open to sophomores, juniors, and seniors**

**Course:** This advanced course extends first year algebra topics, develops advanced algebra content and introduces trigonometry. Emphasis is placed on application and problem solving. **All students need a Texas Instrument 84 graphing calculator.**

## **225 Honors Advanced Algebra w/ Trigonometry**

(GPD-H) (2 semesters)

**Prerequisite:** An "A" average in both 201 Algebra and 211 Geometry or teacher recommendation

**Open to sophomores or juniors who meet the prerequisites or freshmen who show mastery on the Algebra and Geometry proficiency tests**

**Course:** This advanced course extends first year algebra topics, develops advanced algebra content, including an in-depth analysis of quadratic, polynomial, exponential and trigonometric functions and introduces conic sections. Emphasis is placed on application and problem solving. All students need a Texas Instrument 84 graphing calculator.

### **230 Honors/AP Statistics**

(GPD-H/AP) (2 semesters)

**Prerequisite:** Pre-Calculus 220 or teacher recommendation.

**Open to juniors and seniors**

**Course:** This course is a study of statistics in order to prepare for the Advanced Placement test. Project work will be included. The fourth quarter will introduce calculus. There is **no** level change into this class. Students have the option of writing the Advanced Placement Examination and/or taking this course for dual enrollment through the University of Nebraska at Omaha. **To add the class after the start of the school year, the teacher must give permission. All students need a Texas Instrument 84 graphing calculator.**

### **231 Advanced Algebra**

(GPD-CP) (2 semesters)

**Prerequisite:** Algebra 203 and Geometry 213 or teacher recommendation.

**Open to juniors and seniors**

**Course:** This course extends first year algebra topics and develops advanced algebra content. Emphasis is placed on problem solving and applications. **All students need a Texas Instrument 84 graphing calculator.**

### **240 Honors/AP Calculus AB**

(GPD-H/AP) (2 semesters)

**Prerequisite:** Honors Pre-Calculus 220 and teacher recommendation

**Open to seniors**

**Course:** This course encompasses the AB course content for the Advanced Placement Test. All content is approached numerically, graphically, analytically, and theoretically. Students have the option of writing the Advanced Placement Examination and/or taking this course for dual enrollment through the University of Nebraska at Omaha. **All students need a Texas Instrument 84 graphing calculator. If a student chooses to opt out of this class after the first week of school, alternative choices are 251 Statistics or Semester 2 of 281 College Math/Discrete Math.**

## **241 Pre-Calculus**

(GPD-CP) (2 semesters)

**Prerequisite:** Advanced Algebra with Trig 221

**Open to juniors and seniors**

**Course:** This course covers advanced trigonometric concepts with extensive applications. Additionally, the course covers a variety of functions with an emphasis on their application. **All students need a Texas Instrument 84 graphing calculator.**

## **250 Honors/AP Calculus BC**

(GPD-H/AP) (2 semesters)

**Prerequisite** Honors AP Statistics 230

**Open to seniors**

**Course:** This is an advanced placement course and will follow the BC Advanced Placement course outline that covers two college semesters of calculus. All content is approached numerically, graphically, analytically and theoretically. Students have the option of writing the Advanced Placement Examination and/or taking this course for dual enrollment through the University of Nebraska at Omaha. **All students need a Texas Instrument 84 graphing calculator.**

## **251 Statistics**

(GPD-CP) (2 semesters)

**Prerequisites:** Advanced Algebra with Trig 221

**Open to seniors**

**Course:** This course will prepare students to collect, represent and process data in a variety of ways. Data will be summarized, analyzed and transformed so that students will be able to apply these techniques in solving problems and in evaluating. **A level change into 251 Statistics must occur in the first 3 weeks of the semester. All students need a Texas Instrument 84 graphing calculator.**

**275   Advanced Algebra**

(GPD-0) (1 semester)

**OFFERED DURING SUMMER SCHOOL ONLY**

**COURSE:** This course is required during the summer prior to enrollment in 210 H. Geometry/Adv. Algebra. To continue to 210 Honors Geometry/Advanced Algebra, **a grade of 85 in the summer class is required.**

**281   College Math**

(GPD-CP) (2 semesters)

**Prerequisite:** Advanced Algebra 231

**Open to seniors – First semester open only to students who have taken Advanced Algebra 231; not open to students who have taken Advanced Algebra with Trig 221**

**Course:** This course is designed to extend advanced algebra topics. Students study topics as functions and trigonometry during semester one. Semester two concentrates on probability and statistics. **All students need a Texas Instrument 84 graphing calculator.**

# SOCIAL STUDIES

Pre-AP World History and Geography  
Honors/AP United States History  
United States Government and Politics  
Honors/AP United States Government and Politics  
Sociology  
Honors Sociology  
Psychology  
Honors/AP European History  
Women's Studies  
International Issues  
African-American History  
Honors/AP Human Geography  
Introduction to Humanities  
Honors/AP Psychology  
Social Problems

## **GRADUATION REQUIREMENT:**

### **Required Courses:**

#### **(6 semesters sequence for Class of 2020 and 2021)**

World History (CP or Honors)	2 Semesters
United States History (CP or Honors)	2 Semesters
United States Government (CP or Honors/AP)	1 Semester
Social Science: Sociology or Psychology	1 Semester

### **Required Courses:**

#### **(6 semesters sequence beginning with Class of 2022)**

Pre-AP World History and Geography	2 Semesters (9 <sup>th</sup> )
Social Studies Elective	1 Semester (10 <sup>th</sup> )
United States History (CP or Honors/AP)	2 Semesters (11 <sup>th</sup> )
United States Government (CP or Honors/AP)	1 Semester (12 <sup>th</sup> )

### **303 Pre-AP World History and Geography**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Required for all freshmen**

**Course:** World History and Geography is a pre-AP course that focuses on concepts and skills that enhance a student's ability to examine interpret and evaluate historical events and trends. The pre-AP curriculum will focus on foundational knowledge and skills students need to be successful in future AP courses and other coursework in high school and beyond. The first quarter will introduce key geographic concepts relating to world populations, culture, political and economic systems and social structures. The rest of the course will provide a historical overview from the classical period through the rise of globalization in the modern era.

### **360 Honors/AP United States Government and Politics**

(GPD-H/AP) (1 semester)

**Prerequisite:** Previous honors social studies course and teacher recommendation

**Open to juniors**

**Course:** This course is designed to prepare students for the AP Government and Politics exam. It is for those students who desire an intensive in-depth study of politics, government institutions, and American behaviors that characterize the political culture of the United States. Along with the textbook, there are numerous outside readings that require close reading and analysis. All students will write a major term paper. Students have the option of completing the AP exam and/or taking this course for dual enrollment through the University of Nebraska at Omaha.

### **323 United States Government and Politics**

(GPD-CP) (1 semester)

**Prerequisite:** United States History, World History

**Open to juniors**

**Course:** This course presents to the students a basic understanding of the workings of the United States Government and political system based on our current Constitution, the three branches of government, and local political institutions. All students will write a term paper for this class.

### **330 Honors Sociology**

(GPD-H) (1 semester)

**Prerequisite:** Teacher recommendation

**Open to sophomores, juniors and seniors**

**Course:** This course provides an opportunity for the student to engage in a scientific study of society and the social activity of human beings. Areas included are: the foundations of sociology, culture and social interaction, social conformity, major institutions of society and the dimensions of social change. A major writing and/or video project is a requirement of this class.

### **331 Sociology**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors and seniors**

**Course:** This course contains five sections: introduction to the core concepts of sociology, the nature of social interaction, roles and relationships, evaluation of the family, and society's educational and social institutions and an understanding of the process of male and female socialization.

### **351 Psychology**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to juniors and seniors**

**Course:** This course presents a study of a broad cross section of psychological knowledge. The course investigates different psychological perspectives, a study of the brain and its functioning parts, the nature and function of sensation/perception, abnormal psychology, personality, learning and states of consciousness. The student will utilize the school databases to uncover a variety of topics. Assessments will include traditional quiz/tests, papers, artwork and/or videos.

### **352 Honors/AP Psychology**

(GPD-H/AP) (1 semester)

**Prerequisite:** Previous Honors Social Studies course and/or teacher recommendation

**Open to juniors & seniors**

**Course:** This course is designed to prepare students for the AP Psychology exam. Students will be introduced to the systematic and scientific study of the behavior and mental processes of human beings and other animals. They will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will also learn about the ethics and methods psychologists use in their science and practice.

### **385 Women's Studies**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to juniors and seniors**

**Course:** This course will explore the topic of female leadership in the United States through the study of history, literature and current events. Students will examine how the roles and expectations of women have evolved over time, how those changes influence American women today, and how women have become empowered to make significant contributions to society. Students will read a variety of texts (both primary and secondary sources) and will be expected to conduct research, give presentations, and write papers.

### **384 International Issues**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to juniors and seniors**

**Course:** This course will engage students in the study of current problems facing the international community. Students will be required to stay updated on world news and participate in discussions and debate surrounding current global events. They will examine the historical background of leading issues, evaluate present-day complexities, and explore different options for U.S. policy. The areas of study in this course change according to current situations, but have included human rights, genocide, immigration, and climate change. Geographic areas are also studied based on current events.

### **390 Honors/AP European History**

(GPD-H/AP) (2 semesters)

**Prerequisite:** Teacher recommendation

**Open to sophomores, juniors and seniors**

**Course:** In this course, students investigate significant events, individuals, and developments from approximately 1450 C.E. to the present. Students develop and use the same skills employed by historians including analyzing primary and secondary sources and examining various historical interpretations. A major research paper is a requirement of the course.

### **362 African-American History: From Emancipation through the Obama Presidency**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors, and seniors**

**Course:** This course examines the African-American experience since emancipation. Students will explore the ideas and writings of significant African-American leaders. There will be a particular emphasis on the modern civil rights movement and the challenges and triumphs of African-Americans through the Obama administration.

### **370 Honors/AP Human Geography**

(GPD-H/AP) (1 semester)

**Prerequisite:** Teacher recommendation

**Open to sophomores, juniors, seniors**

**Course:** This course is designed to prepare students for the AP Human Geography exam. It introduces students to the study of patterns and processes that have shaped human use and alteration of their environment. Students learn to use spatial concepts to examine human interaction with their environment and the methods and tools that geographers use to study these concepts. Students will become better prepared to engage in contemporary global issues and acquire a more multicultural view of their world. This one-semester AP course is fast-paced and students will be required to read and interpret data in various forms (e.g., graphs and maps) outside of class.

### **382 Introduction to the Humanities**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores and juniors**

**Course:** This course is the foundational course for the new Humanities Scholars Program and will serve as an introduction to the various humanities disciplines including Philosophy, Art and Music, History, Literature and Language and Religion and Ethics. Students will spend 2 weeks studying the basic elements of each discipline and will culminate in a research project at the end of the semester. Students who go on to successfully complete the Humanities Scholars Program will earn a notation on their transcripts certifying that they are competent in the various disciplines within the humanities, have broadened their worldview and are committed to service both in their community and globally.

### **380 Honors/AP United States History**

(GPD-H/AP) (2 semesters)

**Prerequisite:** Previous honors Social Studies course and instructor permission

**Open to seniors**

**Course:** This course will investigate significant events, individuals and developments from Pre-Columbian America to the present. Students develop and use the same skills employed by historians including analyzing primary and secondary sources. Students will examine various historical interpretations and utilize an Advanced Placement textbook. A major research paper is a requirement of the course. Students will prepare to take the AP examination and may earn college credits through the University of Nebraska at Omaha.

### **375 Social Problems**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to juniors and seniors**

**Course:** This course focuses on events that draw attention to the myriad of problems that exist in society. The topics include a long list of timely issues: the abortion dilemma, violence in society, crime and criminal justice, poverty and wealth, racial-ethnic relations and inequalities of gender and sexual orientation. Students may participate in off campus activities: a visit to prison including a question and answer period with inmates, work with elementary students over ethnicity/culture and an experiment over homelessness. Students reflect and discuss probing questions, debate complicated topics and formulate their own views.

## { SCIENCE }

Honors Biology	Honors Physics
Biology	Physics
Honors Chemistry	Physics (Conceptual)
Chemistry	Honors/AP Chemistry II
Chemistry (Fundamental)	Honors Physics II
Honors/AP Biology II	Anatomy and Physiology
	Honors Anatomy and Physiology

### **Summer Only Offering: Zoology**

Summer offerings meet daily June 3- 28, 8-10:50 a.m. The minimum enrollment is 12, maximum enrollment 24. Attendance is important. On the 3<sup>rd</sup> absence, the student will receive a failing grade. Students who drop the course after 3 days will receive a failing grade. Course fee is \$285. A \$100 non-refundable fee will be collected when registering for this course and the \$185 balance is due at the start of the class. The grade for zoology is not calculated in the student's GPA, but the student will receive one elective credit. The course and grade are recorded on the transcript. See course description on page 42.

### **GRADUATION REQUIREMENT: 6 Semesters**

A sequence of Biology, Chemistry and Physics is required for graduation.

#### **400 Honors Biology**

(GPD-H) (2 semesters)

**Prerequisite:** A placement exam score above 94% on the reading sections. Math placement beyond Algebra 201 is recommended but not required.

##### **Open to freshmen**

**Course:** This course is an examination of the living world through scientific inquiry, critical thinking, observation and analysis. Many labs and projects will be performed requiring basic algebra skills. Excellent writing skills are needed as students will be expected to write formal labs and conduct extensive research projects.

#### **401 Biology**

(GPD-CP) (2 semesters)

**Prerequisite:** None

##### **Open to freshmen**

**Course:** This course is a general study of biological topics including the structure of the cell, energy, cell cycles, basic anatomy, genetics, ecology and biodiversity. Students will be required to participate in many labs and activities including occasional dissections.

#### **410 Honors Chemistry**

(GPD-H) (2 semesters)

**Prerequisite:** Math beyond Algebra 201 or Algebra 201 Semester I grade of B+ or higher

##### **Open to sophomores**

**Course:** Honors Chemistry college preparatory course and its rigors will reflect a movement towards college level work. This course broaches general chemistry topic then examines each topic more thoroughly than in general chemistry. Due to this course's heavy math component, students are expected to excel in algebra and mathematic problem solving. Weekly laboratory experiments or activities complement theory while emphasizing safety and science writing skills. Topics to be studied include chemistry laboratory skills, the classification and structure of matter, ratio and proportion of chemical reactions, physical chemistry, acid-base chemistry, kinetics, thermodynamics and electrochemistry. Critical thinking, inquiry and science ethics are stressed in this class.

### **411 Chemistry**

(GPD-CP) (2 semesters)

**Prerequisite:** Algebra Semester I grade above a C-

#### **Open to sophomores**

**Course:** This course covers the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to: measurement, atomic structure, electron configuration, the periodic table, bonding, gas laws, properties of liquids and solids, solutions, stoichiometry, reactions, kinetics, equilibrium, acids and bases and nuclear chemistry. Basic algebra skills are reinforced and integrated into this course.

### **413 Chemistry (Fundamental)**

(GPD-CP) (2 semesters)

**Prerequisite:** Algebra Semester I grade below C-

#### **Open to sophomores**

**Course:** This course covers the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to measurement, atomic structure, electron configuration, the periodic table, bonding, gas laws, properties of liquids and solids, solutions, stoichiometry, reactions, kinetics, equilibrium, acids and bases. Focus is given on understanding the concepts of 411 Chemistry at a pace appropriate for students who are challenged by algebra.

#### **420 Honors/AP Biology II**

(GPD-H/AP) (2 semesters)

**Prerequisite:** Honors Biology 400 or Honors Chemistry 410 (or Chemistry 411 w/ instructor permission)

**Open to juniors and seniors**

**Course:** This course is an advanced placement, college level course designed to give students an in-depth study of cells, genetic patterns, biochemistry, ecology and biological diversity. The students will have the option of taking the Advanced Placement Examination and/or taking this course for dual enrollment through the University of Nebraska at Omaha.

#### **430 Honors Physics**

(GPD-H) (2 semesters)

**Prerequisite:** Prior or concurrent enrollment in Pre-Calculus or instructor permission

**Open to juniors**

**Course:** This course is an in-depth mathematical study of topics such as linear and rotational motion, forces, torque, work, energy and universal gravitation. Students are expected to study independently, complete independent lab work, be able to solve slope calculations, work with trigonometry function and manipulate equations.

#### **431 Physics**

(GPD-CP) (2 semesters)

**Prerequisite:** Chemistry 411 or Chemistry 413 with instructor recommendation, Adv. Algebra w/ Trigonometry recommended

**Open to juniors**

**Course:** This course is a mathematical, as well as conceptual study of motion, forces, vectors, work, energy, and universal gravitation. Students should have math skills at or beyond trigonometry. Lab work is an integral part of this course.

**433   Physics** (Conceptual)

(GPD-CP) (2 semesters)

**Prerequisite:** Chemistry 411 or 413, Adv. Algebra recommended

**Open to juniors**

**Course:** This course is a conceptual survey of the major areas of physics including kinematics, dynamics, energy, light, sound, and universal gravitation. Applications of physics in the real world and lab work will be included. Math, while not the main emphasis of the course, will be integrated.

**440   Honors/AP Chemistry II**

(GPD-H/AP) (2 semesters)

**Prerequisite:** Chemistry 410 or Chemistry 411 with permission of instructor.

**Open to juniors and seniors**

**Course:** The purpose of the course is to provide students with a collegiate level academic experience in chemistry within the high school setting. Three lecture and one laboratory credit hours can be earned from Nebraska Wesleyan University. The course will also foster and grow self-sustaining, independent learners. This course is structured around the six big ideas articulated in the AP chemistry curriculum framework provided by the College Board. The big ideas include the study of atoms and elements, structure and properties of matter, chemical reactions, kinetics, thermodynamics and equilibrium. Students will gain an in-depth understanding of the fundamentals of chemical and mathematical problem solving. A large portion of the course will involve laboratory activities that would be comparable to a college level laboratory experience.

#### **460 Honors Physics II**

(GPD-H) (2 semesters)

**Prerequisite:** Honors Physics or Physics 431 with permission of instructor.

#### **Open to seniors**

**Course:** This course is a continuation of Physics I with a concentration on critical thinking skills and problem solving techniques. Concepts of relativity, atomic physics, nuclear physics, and current topics will be explored. Students will develop familiarity with current scientific literature and perform semi-independent investigations.

#### **470 Honors Anatomy and Physiology**

(GPD-H) (2 semesters)

**Prerequisite:** 4 semesters science honors classes or permission of Anatomy and Physiology teacher

#### **Open to seniors**

**Course:** While the content focus of this course is consistent with the college prep Anatomy and Physiology course, students will explore the concepts in greater depth with high levels of sophistication. The academic pace and rigor will be greatly increased for honors level course work. This course studies the structure and function of the human body and the mechanisms for maintaining homeostasis within it through the use of lab work, including dissections, hands-on activities and case studies. The study of tissues, the orientation of the body, anatomical language and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems will be studied.

#### **474 Anatomy and Physiology**

(GPD-CP) (2 semesters)

**Prerequisite:** 2 semesters of each: Biology, Chemistry, Physics

**Open to seniors**

**Course:** This is a year-long rigorous college preparatory course designed to give students a realistic experience of introductory anatomy and physiology. Emphasis will be placed upon understanding of anatomical concepts and physiological relationships. Areas of study include orientation of the body, anatomical language and the integumentary, skeletal, muscular, cardiovascular, digestive, respiratory and nervous systems. Lab work, including dissections, hands-on activities and case studies will be used to explore human structure and function.

#### **480 Zoology** (Summer Only)

(GPD-UW) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors, and seniors**

**Course:** This summer course is an opportunity for students to explore the classification, relationships, structure and function of the major animal phyla through the dissection of preserved specimens. Emphasis is on levels of organization, reproduction and development, comparative systems and a survey of selected phyla. Laboratory exercises include microscope observations and dissections to reinforce topics discussed in lecture.

# { WORLD LANGUAGE }

Honors Latin IV

French I

French II

Honors French III

Honors French IV

Spanish I

Spanish II

Spanish III

Honors Spanish III

Spanish IV

Honors Spanish IV

Honors/AP Spanish V

Mandarin I

Honors Mandarin II

Honors Mandarin III

## **GRADUATION REQUIREMENT: 4 Semesters**

Honors/AP French V is available; students can arrange through the French instructor.

**510 Honors Latin IV**

(GPD-H) (2 semesters)

**Prerequisite:** Honors Latin III

**Course:** Latin IV reviews grammar. Readings this year include selections from Catullus, Horace, Ovid's Metamorphoses, Cicero's First Oration against Cataline, Julius Caesar's Gallic Wars and Vergil's Aeneid.

**521 French I**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Course:** This course introduces aspects of the everyday French language. Students also begin to explore the daily culture of the French way of life as well as the geography of Western Europe, and more specifically, France.

**531 French II**

(GPD-CP) (2 semesters)

**Prerequisite:** French I

**Course:** In this course, students expand their communicative skills in the everyday French language. They also explore various cultural topics such as hobbies, food, entertainment, and sports.

**520 Honors French III**

(GPD-H) (2 semesters)

**Prerequisite:** French II

**Course:** In this intermediate course, students use and expand their communicative skills over a variety of French media such as articles, television broadcasts, songs, movies and short narratives. Students discuss contemporary issues in the context of the French-speaking world and explore French-speaking Africa.

**530 Honors French IV**

(GPD-H) (2 semesters)

**Prerequisite:** Honors French III

**Course:** In this college level course, students use and expand their communicative skills over a variety of French media such as articles, television broadcasts, songs, movies, poems, and two short novels. Students discuss current events in the French-speaking world and explore French history.

**541 Spanish I**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Course:** In this introductory course, students begin to use all aspects of everyday Spanish. In addition to everyday conversation, they will learn about the varied cultures and geography of the Spanish-speaking world.

**551 Spanish II**

(GPD-CP) (2 semesters)

**Prerequisite:** Spanish I

**Course:** This course concentrates on mastering vocabulary for a variety of situations and introduces students to grammar constructions necessary to achieve realistic communication through conversation and writing. Cultures of the Hispanic world will be explored, as the students practice the language further. This class will be conducted in Spanish as much as possible.

### **543 Spanish III**

(GDP-CP) (2 semesters)

**Prerequisite:** Spanish II, grade of C or higher in Spanish II, teacher recommendation

**Course:** Students will continue to develop reading, writing, listening and speaking skills needed to function in the language and in practical situations in the target culture. Students will learn an expanded vocabulary and more complex grammar in order to communicate in the present, past and future tenses. Students will continue to explore the cultural aspects of the Hispanic world, as well. This class will be conducted in Spanish as much as possible.

### **540 Honors Spanish III**

(GPD-H) (2 semesters)

**Prerequisite:** Spanish II, grade B or higher in Spanish II, teacher recommendation

**Course:** Students will continue to develop reading, writing, listening and speaking skills needed to function in the language and in practical situations in the target culture. Students will gain a deeper comprehension of the vocabulary and grammar presented and will apply vocabulary and grammar in real-life situations. A majority of the course will be conducted in Spanish.

### **544 Spanish IV**

(GPD-CP) (2 semesters)

**Prerequisite:** Honors Spanish III/Spanish III, grade of C or above in Spanish III or by teacher recommendation

**Course:** Students will further develop reading, writing, listening and speaking skills needed to be proficient in the language and in practical situations. Students will go beyond vocabulary and grammar that was covered in previous courses, working towards a mastery of concepts covered by an introductory collegiate course in the language. This course will be conducted in Spanish as much as possible.

**550 Honors Spanish IV**

(GPD-H) (2 semesters)

**Prerequisite:** Honors Spanish III

**Course:** This course focuses on grammar review, up-to-date vocabulary and the daily use of Spanish in writing, listening and speaking activities. The majority of this course will be conducted in Spanish. The course employs a communicative approach working towards fluency. Students have the option of writing the Advanced Placement Examination and/or taking this course for dual enrollment through the University of Nebraska at Omaha.

**560 Honors/AP Spanish V**

(GPD-H/AP) (2 semesters)

**Prerequisite:** Spanish IV

**Course:** In this college level course, students will work towards taking the Advanced Placement Spanish Language and Culture exam. Students will utilize the target language by reading, writing, speaking and listening. The class will explore six central themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities and Beauty and Aesthetics. Students will explore these six central themes through the engagement of authentic sources in the target language. This class will be conducted in Spanish.

**571 Mandarin I**

(GDP-CP) (2 semesters)

**Prerequisite:** None

**Course:** This introductory course in Chinese language provides the basic communication skills in the Modern Standard Chinese (Mandarin). This course is designed for high school level students who have had no prior experience to Chinese language and are interested in learning the basics of the Chinese language as well as the culture of China. Throughout the course, students will develop their listening, speaking, reading and writing skills.

**572 Honors Mandarin II**

(GDP-H) (2 semesters)

**Prerequisite:** Mandarin I

**Course:** This course continues to provide basic communication skills in the Modern Standard Chinese (Mandarin). This course is designed for high school students who have successfully completed Mandarin I and wish to continue to learn the basics of the Chinese language as well as the culture of China. Throughout the course, students will continue to develop their listening, speaking, reading, and writing skills.

**573 Honors Mandarin III**

(GDP-H) (2 semesters)

**Prerequisite:** Mandarin II

**Course:** Students will continue to develop reading, writing, listening and speaking skills and will gain a deeper comprehension of the vocabulary and grammar presented so as to apply them in real-life situations. Cultures of old Chinese and modern Chinese will be explored as the students practice the language further.

# { **ELECTIVES** }

Accounting I  
Accounting II  
Business and Personal Law  
Technology Applications  
Mobile App Development I  
Honors Mobile App Development II (AP Computer Science Principles)  
Computer-Aided Design (CAD)  
Computer-Aided Design (CAD) II  
Economics  
Marketing  
Introduction to Business  
Honors Independent Research  
Cyber-Security  
Honors/AP Computer Science A (Java Programming)

**GRADUATION REQUIREMENT:** Beginning with the Class of 2022, one (1) elective credit must be Economics.

### **610 Accounting I**

(GPD-CP) (1 semester)

**Prerequisite:** Grade of C in math course freshman year

**Open to sophomores, juniors and seniors**

**Course:** This course is designed to teach students the methods and systematic procedures for analyzing and recording the financial transactions and operations of a sole proprietorship or partnership. This course is strongly recommended for students who plan to study business in college.

### **612 Accounting II**

(GPD-CP) (1 semester)

**Prerequisite:** Accounting I

**Open to sophomores, juniors and seniors**

**Course:** This course is designed to teach students the methods and systematic procedures for analyzing and recording the financial transactions and operations of a corporation. This course is strongly recommended for students who plan to study business in college.

### **631 Business and Personal Law**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors, and seniors**

**Course:** This course covers the nature of our legal system. Students will explore the foundations of laws, as well as criminal law and civil law. The elements of business-related law will also be covered, including contract law and sales law

## **642 Technology Applications**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors, and seniors**

**Course:** This course is designed to teach students the concepts and usage of computer software programs. Students will progress their knowledge on text documents, spreadsheet applications, and presentation software. Students will also learn photo editing skills with Adobe Photoshop, as well as illustration creation in Adobe Illustrator and printed layout creation in Adobe InDesign.

## **654 Mobile App Development I**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors and seniors**

**Course:** This course is an introduction to the field of computer science with a focus on how computing powers the world. Students will learn structured programming techniques, data types, operators and functions as they design, code, test and create mobile applications that run on Android tablets.

## **660 Honors/AP Computer Science Principles**

**(Mobile App Development II)**

(GPD-H/AP) (1 semester)

**Prerequisite:** Mobile App Development I

**Open to sophomores, juniors and seniors**

**Course:** The second semester offering of the Mobile App Development course completes the requirements needed to be equivalent to an introductory college computing course. Students will compile a digital portfolio using current technologies to create computational artifacts for both self-expression and problem solving that will be submitted to the College Board for AP credit and will also need to complete a multiple choice AP exam.

### **653 Computer-Aided Design (CAD)**

(GPD-CP) (1 semester)

**Prerequisite:** none

**Open to sophomores, juniors, and seniors**

**Course:** In this course, students are introduced to engineering design and the basics of computer-aided design software: creating lines, polygons, other 2D and 3D geometric forms. They will learn how to translate 3D designs into 2D orthographic and isometric drawings, and in some cases a full-scale 3D printed model.

Students will develop basics skills in Autodesk Fusion 360 and SketchUp.

### **670 Computer-Aided Design (CAD) II**

(GPD-CP) (1 semester)

**Prerequisite:** Computer-Aided Design I (CAD)

**Open to sophomores, juniors, and seniors**

**Course:** In this course, students will build off the skills learned in CAD I while focusing on architectural design. This includes an introduction to the language of architecture and reading construction documents. Students will learn to the basic functions of various building information modeling (BIM) software (i.e. SketchUp and Autodesk Revit). Students will also explore design presentation technologies like rendering, virtual reality, and augmented reality.

### **661 Economics**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors and seniors**

**Course:** This course is a study of the American economic system and its relationship to other economic systems. Students will analyze economic forces of supply, demand, income, tastes and other market forces. This course is strongly recommended for students who plan to study business in college.

**665 Marketing**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors and seniors**

**Course:** In this course students will be introduced to the fundamental concepts, principles, skills and attitudes in the fields of merchandising and marketing. The topics studied will include planning, producing, promoting, distributing, and pricing goods and services. This course is strongly recommended for students who plan to major in Business Administration.

**667 Introduction to Business**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors, and seniors**

**Course:** This course is designed to introduce students to the various aspects of business, including business organization, management, operations, and human resources. Other topics that will be addressed in this course include entrepreneurship, marketing, and financial concepts. This course is eligible for dual enrollment credit through Metropolitan Community College.

**694 Honors Independent Research**

(GPD-H) (1 semester)

**Prerequisite:** None

**Open to seniors**

**Course:** This course will allow students to develop an original research project in an academic area of their choice. Students will independently conduct the research, analyze the results and create an original written document. Creighton University professors will serve as advisors in the research process. The critical analysis of their data may be submitted for publication. All students will create and deliver a formal presentation over their findings.

**655 Cyber Security**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors and seniors**

**Course:** This course emphasizes our current dependence on information technology and how security in cyberspace is shaping the global landscape. Topics on cybercrime, malware, intrusion detection, cryptography and how to secure one's own data and computer system will be covered. This course is eligible for dual enrollment credit through the University of Nebraska at Omaha.

**680 Honors/AP Computer Science A**  
**(Java Programming)**

(GPD-H/AP) (2 semesters)

**Prerequisite:** None

**Open to sophomores, juniors and seniors**

**Course:** This full year course emphasizes object-oriented programming and problem solving using the Java language. Design strategies and algorithm development will be emphasized, plus an overview of data structures, abstraction and the ethical implications of computing. It is meant to be the equivalent of a first semester university course in computer science.

{ **FINE ARTS** }

Honors Select Women's Choir  
Select Women's Choir  
Concert Choir

Ballet & Tap I  
Ballet & Tap II

Art I  
Pottery  
Pottery II  
Art II  
Honors Art III  
Honors Art IV  
Sculpture

Intro to Theatre  
Handbells I  
Handbells II  
Band  
Honors Band  
String Ensemble  
Honors String Ensemble  
Honors/AP Music Theory  
Guitar

**GRADUATION REQUIREMENT: 2 Semesters**

### **800 Honors Select Women's Choir**

(GPD-H) (2 semesters)

**Prerequisite:** At least two semesters in a vocal music course at Marian and/or permission of instructor by audition

**Open to sophomores, juniors, and seniors**

**Course:** This course is part of the auditioned Select Women's Choir. It will include music reading, vocal techniques and sight-reading. Students will apply these skills in a variety of choral repertoire. Performances include school concerts, school events and possible community performances. Requirements include writing four performance critiques, solo/ensemble opportunities and additional performance opportunities. This course fulfills the vocal training requirement for Show Choir. This course is taught in conjunction with the regular Select Women's Choir.

### **801 Select Women's Choir**

(GPD-CP) (2 semesters)

**Prerequisite:** At least one course in high school music and/or permission of instructor by audition.

**Open to sophomores, juniors, and seniors**

**Course:** This course is an auditioned choir, open to all 10th-12<sup>th</sup> students. This class will include music literacy, vocal techniques and sight-reading. Students will apply these skills in a variety of choral repertoire. Performances include school concerts and possible community performances. This course fulfills the vocal training requirement for Show Choir.

### **863 Concert Choir**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Open to all grades**

**Course:** This course is a non-auditioned choir, open to all students who wish to improve their singing musicianship in a choral ensemble. Students will rehearse and perform a variety of choral repertoire. This class will include music literacy, vocal techniques and performance. This course fulfills the vocal training requirement for Show Choir.

## **804 Art I**

(GPD-CP) (2 semesters)

**Prerequisite:** None

**Open to all grades**

**Course:** This course is an introduction to the art experience with an emphasis on creative expression using a variety of mediums. Curriculum includes but is not limited to drawing, painting, printmaking, collage and sculpture.

## **807 Pottery**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors, and seniors**

**Course:** This course is an introduction to ceramic hand building which includes pinch, coil and slab construction. In addition, students will master the basic wheel throwing technique, glaze application and learn the intricacies of kiln firing.

## **897 Pottery II**

(GPD-CP) (1 semester)

**Prerequisite:** Pottery and permission from instructor

**Open to juniors and seniors**

**Course:** Students will refine skills with clay and the pottery wheel, beginning to develop their own personal style. Concepts and techniques learned in Pottery will be reviewed and practiced. Projects will be done in sets and series. Some opportunities for independent study will be available. Special projects will be included. Emphasis is on creating quality-crafted work on and off the pottery wheel. Students will also be introduced to a variety of styles, periods, 3D artists and works from around the world.

## **806 Art II**

(GPD-CP) (2 semesters)

**Prerequisite:** Art I and permission of instructor

**Open to sophomores, juniors, and seniors**

**Course:** This course expands the student's studio experience by concentrating on a varied curriculum using advanced mediums and techniques. Building upon the skills learned in Art I, projects include drawing, oil painting, collage and printmaking. Students create, assess and critique their work and that of classmates. Selected work will be submitted to local contests.

## **856 Honors Art III**

(GPD-H) (2 semesters)

**Prerequisite:** Honors Art II and Instructor Permission

**Open to juniors and seniors**

**Course:** An advanced, in depth study of Art, which builds upon skills acquired in Honors Art II. Students begin to gain proficiency and confidence in expressing their work both verbally and visually. Personal critiques are integral to this process. Mediums include graphite, paint, and mixed media. The first semester is devoted to the photorealistic self-portrait, which must be submitted to the Nebraska Scholastic Art Competition. This course includes assignments that are to be completed prior to the start of classes in August.

## **857 Honors Art IV**

(GPD-H) (2 semesters)

**Prerequisite:** Honors Art III, Instructor Permission

**Open to seniors**

**Course:** This advanced course prepares students for college level art study. Students develop their artistic voice by drawing upon personal experiences and background knowledge. Second semester emphasizes and challenges students to set personal goals, make media choices and critique their art in a personal and historical context. Mediums include but are not limited to graphite, charcoal, paint and sculpture. Students are required to submit an art portfolio to the Nebraska Scholastic Competition and present an art piece with a personal artist statement at the Senior Show.

### **891 Sculpture**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to seniors (2018-2019 school year)**

**Course:** This introductory course focuses on creating three-dimensional forms. A background in Pottery I is highly recommended but not required. Students will work with a variety of mediums including but not limited to clay, plaster and cardboard.

### **812 Ballet & Tap I**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to all grades, class size limited**

**Course:** This course is for the student who has very little or no dance experience. Beginner class work will be covered in this course. A dance demonstration will be held at the end of the semester. The student taking this course must provide her own dance attire. Ballet and tap shoes are rented for a fee from the Dance department.

### **813 Ballet & Tap II**

(GPD-CP) (1 semester)

**Prerequisite:** Ballet & Tap I or signature of Dance Instructor through an audition. This class is open to students with less than 7 years of dance experience or signature of Dance Instructor.

**Open to all grades, class size limited**

**Course:** This course is a continuation of Ballet & Tap I with emphasis on technique combinations, routines and beginning choreography. Intermediate class work will be covered in this course. A dance demonstration will be held at the end of the semester. The student taking this course must provide her own dance attire. Ballet and tap shoes are rented for a fee from the Dance department.

## **820 Introduction to Theatre**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to all grades**

**Course:** This course has an emphasis on technical theatre and the basics of acting. Students will learn about the production of musicals and plays, examining all aspects involving lighting, costume, makeup, and set design. Students will apply their knowledge by creating all of the technical aspects for that semester's production. This involves show analysis, working with the directors to design the lighting, costumes, makeup and set, culminating with the implementation of choices made through construction. Students will also perform monologues, duet acting and public performance pieces.

## **872 Handbells I**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to all grades**

**Course:** This course is an introduction to the basic techniques of bell ringing and will include basic musicianship, note and rhythm reading, and public performances. No previous musical experience is necessary.

## **874 Handbells II**

(GPD-CP) (1 semester)

**Prerequisite:** Handbells I

**Open to all grades**

**Course:** This course will continue to build on what is taught in Handbells I. More advanced techniques will be taught including bell changing, advanced notation and multiple handbell configurations. This course will include musicianship, theory and public performances. This course will be offered every other year beginning with the 2018-2019 school-year.

### **887 Band**

(GPD-CP) (2 semesters)

**Prerequisite:** At least one year of instrumental music instruction or permission of instructor.

#### **Open to all grades**

**Course:** This course will require students to play selected concert band literature. Technical areas covered in this class will include scales, ear training, proper tone production and sight reading. Performances will include concerts, school assemblies and possible community performances.

### **886 Honors Band**

(GPD-H) (2 semesters)

**Prerequisite:** At least one year of instrumental music instruction at Marian and/or permission of the instructor by audition.

#### **Open to sophomores, juniors, and seniors**

**Course:** This course will require students to play selected ensemble literature. Technical areas covered in this class will include scales, ear training, proper tone production and sight-reading. This is a performance based class and will include concerts, selected school assemblies and athletic events and possible community performances. Requirements include writing four performance critiques, solo/ensemble opportunities and additional enrichment performance opportunities. This course is taught in conjunction with the regular Band Ensemble.

### **882 String Ensemble**

(GPD-CP) (2 semesters)

**Prerequisite:** At least one year of stringed music instruction and audition.

#### **Open to all grades**

**Course:** In this course students will play selected string ensemble literature. Technical areas covered in this class will include scales, ear training, proper tone producing techniques, sight-reading and technical studies. Performances will include concerts, school assemblies and possible community performances.

### **883 Honors String Ensemble**

(GPD-H) (2 semesters)

**Prerequisite:** At least one year of string ensemble instruction at Marian and/or permission of the instructor by audition. Any orchestral string instrument is eligible for inclusion in the ensemble.

#### **Open sophomores, juniors, and seniors**

**Course:** This course will require students to play selected string ensemble literature. Technical areas covered in this class will include scales, ear training, sight-reading, shifting and vibrato. This is a performance based class and will include concerts, selected school assemblies and athletic events and possible community performances. Requirements include writing four performance critiques, solo/ensemble opportunities and additional enrichment performance opportunities. This class is taught in conjunction with the regular the regular String Ensemble.

### **888 Honors/AP Music Theory**

(GPD-H/AP) (2 semesters)

**Prerequisite:** One year of a music course at Marian or permission of instructor

#### **Open to juniors and seniors**

**Course:** Students in this class will expand their knowledge of music theory through the study of music construction and ear training. This course covers intervals, chord structure, sight reading skills, harmonic analysis, and part writing in counterpoint. Students will study the development of music from a historical and cultural perspective and analyze music in terms of key, chords, and form. This course will prepare students for the AP Music Theory Exam.

### **875 Guitar**

(GPD-CP) (1 semester)

**Prerequisite:** None

#### **Open to all grades**

**Course:** Students will learn the basics of playing guitar, including tuning and instrument maintenance, reading sheet music, basic music theory, melodic playing and chording.

# PHYSICAL EDUCATION

Team Sports  
Individual and Dual Sports  
Lifetime Fitness  
Weight Training and Conditioning  
Introduction to Wellness

## **Summer Only Offerings:**

**Lifetime Sports – May 29 – June 26**

**Introduction to Wellness – July 1 –31 (no class July 3, 4 or 5)**

Summer offerings meet daily (see above dates) from 8-10:50 a.m. The minimum enrollment is 12; maximum enrollment is 24. Attendance is important. On the 3rd absence, the student will receive a failing grade. Students who drop the course after 3 days will receive a failing grade. Course fee is \$285.00 per class. A \$100 non-refundable fee will be collected when registering for the summer courses and the \$185.00 balance is due at the start of the class. The grade is calculated into the GPA at the end of the first semester of the 2019-2020 school year. The course and grade are recorded on the transcript. See course description on pages 66 and 67.

## **GRADUATION REQUIREMENT: 2 Semesters**

Beginning with the Class of 2022, Introduction to Wellness is required and another PE course of your choice.

All Physical Education courses provide opportunities for students' fitness levels to be measured in a pre- and post-test atmosphere. Classes will promote a healthy life style.

### **910 Team Sports**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to all**

**Course:** This course is for the competitive student who is seeking to master the skills involved in volleyball, basketball, softball, soccer, and other team sports. Class participation in a regulation gym uniform is mandatory.

### **911 Individual and Dual Sports**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to all**

**Course:** This course is designed to assist the student who seeks to develop the skills and knowledge in individual and dual sports. Units include golf, bowling, and racket games. Class participation in a regulation gym uniform is mandatory.

### **912 Lifetime Fitness**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to all**

**Course:** This course emphasizes physical fitness and the values of physical activity through everyday life. Units include orienteering, step aerobics, bocce ball, Pilates, ultimate Frisbee, and fitness runs/walks. Class participation in a regulation gym uniform is mandatory.

### **913 Weight Training and Conditioning**

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to all**

**Course:** This course is designed for the average to above average self-motivated student with introduction to muscle endurance, muscular strength/circuit training with weekly running, and methods of individualized weight lifting. Class participation in a regulation gym uniform is mandatory.

### **903 Introduction to Wellness**

(CPD-CP) (1 semester)

**Prerequisite:** None

**Open to all**

**Course:** This course will cover a variety of elements related to wellness. Students may have the opportunity to learn mindfulness, leadership, and create an individual wellness plan. Students will explore the latest trends in nutrition and healthy choices, as well as stress management, balancing relationships, and being well socially, as well as physically. A gym uniform is required.

### **951 Lifetime Sports** (Summer Only)

(GPD-CP) (1 semester)

**Prerequisite:** None

**Open to sophomores, juniors and seniors**

**Course:** This course will have an emphasis on daily physical fitness that includes strength training, cardiovascular endurance and exercise. Units will include outdoor team sports and dual sports such as flag football, soccer, softball, ultimate Frisbee, tennis, golf and pickle ball. Class participation in a regulation gym uniform is mandatory.

### **952 Introduction to Wellness** (Summer Only)

(CPD-CP) (1 semester)

**Prerequisite:** None

**Open to all**

**Course:** This course will cover a variety of elements related to wellness. Students may have the opportunity to learn mindfulness, leadership and create an individual wellness plan. Students will explore the latest trends in nutrition and healthy choices, as well as stress management, balancing relationships, and being well socially, as well as physically. A gym uniform is required. This is a required course for the class of 2022 and beyond.

## **VIRTUAL LEARNING**

The following **Arrupe Virtual Learning Institute** (AVLI - formerly JVLA) online courses have been approved for students to take their senior year. The course will not be factored into the student's GPA. The course and grade will be noted on the transcript.

Students enrolled must have a designated study hall for each online course. Seniors must take six Marian courses. The online course is the seventh course. Students can expect to commit the same amount of time to these courses as they would to a Marian course. The cost is \$125 for a semester course and \$175 for the year-long course. Students will be billed in the fall.

### **Open to seniors**

**AP Art History** (2 semesters) This survey course will cover the history of art from prehistory to the present. Students will study historically significant works of art including architecture, painting, sculpture and mixed media. Students will learn to identify, analyze and discuss artworks from a variety of cultures and stylistic periods. Students who complete this course will be prepared to take the AP examination in the spring. Strong organizational and time management skills would be helpful. This class will require a great amount of time. This course is eligible for dual enrollment credit through Creighton University.

**Latin Level I** (2 semesters) In this introductory course, students will learn the basic elements of Latin grammar, syntax, and vocabulary. Students will also study the Latin-based etymological roots of common English word families and selected topics from Roman history, culture, and mythology. By the end of the course, students will be able to read short, authentic Latin texts and write original Latin sentences using basic Latin grammar and vocabulary.

**Fall 2019 Digital Photography** (1 semester) This course is an introduction to digital photography. It provides students with the necessary technical and aesthetic skills to make quality digital photographs. Topics covered include the mechanics of digital cameras, basic use of Adobe Photoshop or equivalent tools and printing. Students should have access to a digital camera. May not use a phone camera.

**Fall 2019 Multimedia Authorship – The Power of Words and Images** (1 semester) This course aims primarily to develop communication skills through student expression of her ideas using multimedia technology. Students will study models of multimedia composition used by professional and student writers and then create their own multimedia content, pushing the students to a mastery of the concepts and technical skills the composition requires. In order to fully participate in the class, the student must have a computer (Mac or Windows) on which new programs can be installed. They will also need access to a digital camera. The semester will culminate with each student producing an original, substantive multimedia project on a topic of the student's choice.

**Spring 2020 Astronomy** (1 semester) This course provides an introduction to the solar system, stars, the galaxy and the universe. Because astronomic principles are grounded in Physics and Mathematics, students should be prepared to work within these disciplines.

Please see your counselor for more information regarding how to register.

Arrupe Virtual Learning Institute Website: [avli.org](http://avli.org)

Marian High School admits students of any race, color, national and ethnic origins to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. Marian High School does not discriminate on the basis of race, color, national and ethnic origin and administration of the educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.