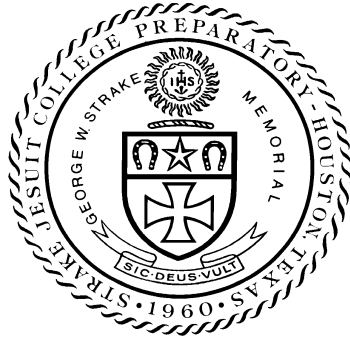


# A.M.D.G.



## **STRAKE JESUIT COLLEGE PREPARATORY**

### **Course Expectations for AC/AP Courses**

**2019 - 2020**

## OVERVIEW

Students commonly mark the difference between regular and AC/AP courses simply by the perceived amount of work in each as measured by volume and/or number of assignments. Certainly, AC/AP classes demand more work, but this is not the only, nor necessarily, the most crucial distinction. What is less often noticed is the nature of AC/AP work. Whereas all classes expect students to perform, AC/AP classes dictate the level of that performance. AC/AP courses assume high-level academic skills, and they demand a commitment to the processes of thought and analysis that is intrinsically related to a particular subject. AC/AP students must read, write, and think independently and must acquire more out of assignments on their own. AC/AP students are not given "answers" but are encouraged to offer thoughtful responses to given questions and to think more abstractly. Only intrinsically motivated students with a genuine enthusiasm for learning should consider taking on the challenge associated with AC/AP.

## SELECTION & PLACEMENT

From *Community Life*, Section 53. Accelerated (AC) and Advanced Placement (AP) Courses are advanced courses offered to students who have excelled in a particular subject. If a student wishes to be considered for enrollment in one of these advanced courses, he will select the appropriate courses as part of his course selection process. After all selections are received, the Assistant Principal for Academics will gather input from teachers and counselors to determine which students will be enrolled in the AC/AP courses.

Factors in the decision will include a student's academic record at Strake Jesuit, his standardized test scores (PLAN, PSAT, HSPT), teacher recommendations, counselor recommendations, total number of course requests, and available class sections. No final decisions for acceptance will be made until May. Generally students who maintain a strong grade-point average and have made A's for the first semester and third quarter in a college prep level course or B's for the first semester and third quarter in an AC/AP course can qualify for an AC/AP course in that subject.

## **COURSE EXPECTATIONS**

### **222 AC ENGLISH 2**

#### **The student is expected to:**

1. Demonstrate an acute desire to learn.
2. Be willing to accept a challenge.
3. Put forth necessary effort within and outside of class.
4. Have a sincere interest in literature, narrative, and culture.
5. Think critically and carefully about culture in texts and in the world around him.
6. Read and study each assigned text thoroughly and thoughtfully.
7. Be prepared to learn in and contribute to a discussion-based class.
8. Write with care, cleverness, and consideration.
9. To think, read, and write with an open mind.

### **232 AC ENGLISH 3**

#### **The student is expected to:**

1. Read a maximum of two literary works as a summer assignment and arrive prepared for tests, essays, and class discussion on these literary works during the first few weeks of school.
2. Read and study a maximum of four full-length literary works outside the literature text, each of which is allotted 2-3 weeks, depending on difficulty and length, and read from the literature text as an ongoing nightly assignment.
3. Actively, enthusiastically, and confidently participate in class discussions.
4. Write frequent essays of literary analysis in each semester. The student can expect to write essays of various lengths and levels of formality, both in and out of class.
5. Study assigned vocabulary lists weekly and be prepared to apply his knowledge of these terms on weekly quizzes.
6. Further develop and hone critical thinking skills that will be useful on standardized tests like the PSAT, SAT, and ACT.

### **233 AP ENGLISH LANGUAGE & COMPOSITION**

#### **The student is expected to:**

1. Carefully read at least one summer reading text and complete an essay for the first day of school.
2. Study a wide variety of non-fiction and fiction in depth to appreciate and understand an author's tone, purpose, audience, and thesis. There will be reading or other assignments nearly every day.
3. Invest the time to closely and slowly read and reread assignments. The student should be comfortable annotating a text as he reads.
4. Consider his reading in advance of class and engage in analysis, interpretation, and reflection independently and as part of a group.
5. Actively, knowledgeably and enthusiastically engage in class discussions.
6. Write, edit, and revise essays. There will be 4-6 major assignments each semester that count for the majority of the class grade.

7. Come to the course having adequately mastered the standard 5-paragraph essay (or its equivalent). Students should be prepared to write essays at an advanced level in terms of argument, structure, and sentence construction since this course builds on writing skills gained in previous Strake Jesuit English classes. Students should have also mastered basic grammar and sentence writing skills.
8. Complete a ten to twelve-page research essay in the second semester.
9. Take the AP English National Exam in May.
10. Accept challenges eagerly and openly.

### **243 AP ENGLISH LITERATURE AND COMPOSITION**

#### **The student is expected to:**

1. Carefully and slowly read at least one summer reading text to be studied in detail at the beginning of school.
2. Complete an essay for the first day of school.
3. Study literature in depth to appreciate and understand an author's themes, style, and controlling vision.
4. Invest the time to closely and slowly read and reread assignments.
5. Consider his reading in advance of class and engage in analysis, interpretation, and reflection independently and as part of a group.
6. Actively, knowledgeably and enthusiastically engage in class discussions.
7. Write, edit, and revise essays of literary analysis.
8. Complete an eight- to ten-page research essay.
9. Accept challenges eagerly and openly.
10. Take the AP English National Exam in May.

### **316 AP LATIN**

#### **The student is expected to:**

1. Have a strong recommendation from his/her current teacher
2. Have a minimum of three years total Latin, including at least one year of golden-era Latin by Roman authors
3. Have a strong command of Latin grammar and vocabulary, including some sight translation skills
4. Be familiar with the political, military, and mythological history of Rome through the late Republican and early Imperial eras
5. Participate willingly and enthusiastically in class discussions, translation passages, and out-of-class assignments
6. Be able to maintain a workload of 20-30 lines of translation per night for the whole year, coupled with quizzes/tests every one to two weeks
7. Be prepared to dive into a deeper level of syntax and structure compared to earlier Latin courses.
8. Take the AP Latin (Caesar and Virgil) examination in May as a requirement.

### **319 AC LATIN 4**

#### **The student is expected to:**

1. Possess a complete knowledge of the grammar and vocabulary utilized in earlier years of Latin, especially Latin 3, and have a passion for building more.
2. Be committed to spending more time translating a broader selection of texts than encountered previously, including both prose and poetry.
3. Be able to analyze texts and then contribute meaningfully to the class discussions about them at a level beyond mere recitation or absorption of the material.
4. Be prepared to do prose composition, which is the production of Latin prose on his own rather than merely translating existing texts.
5. Continue being positive and excited to learn more about the ancient world.

### **326/327 AC FRENCH 4/5**

#### **The student is expected to:**

1. Be prepared to contribute to class discussions on a daily basis in the target language.
2. Have a strong desire to strengthen his ability in French.
3. Prepare all assignments and readings before class.
4. Be ready to write in French on a regular basis through a variety of assignments of varying lengths.
5. Have a strong background in grammar.
6. Demonstrate a positive attitude and willingness to learn.

### **339 AC SPANISH 2**

#### **The student is expected to:**

1. Engage in the target language with 100% commitment.
2. Develop an extensive vocabulary in Spanish based on the curriculum.
3. Master grammar concepts as they are presented in Descubre 2.
4. Study the culture of different Spanish-speaking countries.
5. Develop skills in reading comprehension in the target language through the reading of biographies, legends, short stories, short articles, etc. Writing skills will also be developed alongside reading skills.
6. Have a strong, personal interest in developing skills in the Spanish language at an advanced level.
7. Demonstrate a positive attitude and willingness to learn.

### **330 AC SPANISH 3**

#### **The student is expected to:**

1. Have a strong, personal interest in developing skills in the Spanish language at an advanced level and demonstrate a positive attitude and willingness to learn.
2. Engage in the target language with 100% commitment both inside and outside of class, particularly in the Spanish-speaking community.

3. Develop a broader vocabulary in Spanish and improve skills in reading and writing in the target language.
4. Develop the ability to discuss current events as well as to write about them.
5. Master grammar concepts as they are presented in Descubre 3.
6. Study the culture, history and literature of different Spanish-Speaking countries and their influence in the world.

### **336 AP SPANISH LITERATURE AND CULTURE**

#### **The student is expected to:**

1. Have a strong written and oral command of the Spanish language based on the student's performance in the AP Spanish Language and Culture class.
2. Read numerous selections from various Peninsular and Latin American authors.
3. Study the literary techniques and the historical factors related to the works studied.
4. Write about the works studied by looking into themes, characters, genres, influence in history and society, etc.
5. Develop proficiency in interpretive listening.
6. Participate willingly and enthusiastically in class discussions on the authors and the works being read by using Spanish exclusively.
7. Take the AP Spanish Literature and Culture Exam in May.

### **338 AP SPANISH LANGUAGE AND CULTURE**

#### **The student is expected to:**

1. Possess a thorough knowledge of the grammar and vocabulary as time spent on grammar will be limited during this course.
2. Speak exclusively in Spanish in the class. Student should have a fluid command of the spoken language. Time spent in an immersion setting prior to entering the AP class is always beneficial.
3. Be able to read, listen to and interpret texts with thorough understanding and be able to talk about them in an advanced manner.
4. Have the personal desire to learn the intricacies of the language and culture of the Spanish-speaking world.
5. Take the AP Spanish Language and Culture Exam in May.

### **355 AP CHINESE LANGUAGE AND CULTURE**

#### **The student is expected to:**

1. Be open to challenges and eager to learn more about Chinese culture.
2. Possess a solid knowledge of the Chinese language, good pronunciation, vocabulary, idiomatic expressions, grammatical structures, and written characters.
3. Be able to read, listen to and interpret texts, requiring clear and logical written or spoken response.
4. Be able to partake in a two-way interaction, such as conversing face-to-face or exchanging written correspondence.

5. Be able to present a level-appropriate speech or report, produce a newscast or video, and narrate personal experience and current events in a variety of styles, on topics researched.
6. Take announced tests every 2 weeks and alternate with a major project.
7. Take the AP Chinese Language and Culture Exam in May.

#### **422 AC GEOMETRY/TRIGONOMETRY**

##### **The student is expected to:**

1. Study, in addition to the chapters in the textbook, supplementary material in the form of class notes and handouts, especially when the topics of trigonometry are covered during the early part of the second semester.
2. Take quizzes, not necessarily announced in advance, and tests which focus on a deep understanding of underlying theorems and definitions.
3. Be able to solve problems given misleading pictures, relying instead on a fundamental understanding of inductive reasoning. The student is required to draw conclusions only from given facts, not suppositions.
4. Actively participate in, and contribute to, classroom discussions.
5. Independently solicit notes and assignments from other students, as well as read the text in the event of absence from class.

#### **432 AC ALGEBRA 2/TRIGONOMETRY**

##### **The student is expected to:**

1. Thoroughly review and master all topics covered previously in Algebra I. This knowledge will be assumed and not reviewed in AC Algebra II.
2. Think independently, and apply basic concepts in problem solving. Many of the problems assigned will require a higher level of thinking and reasoning than those covered in class. The student is expected to put forth the effort to solve these problems themselves, rather than giving up. An AC Algebra II student should enjoy the challenge of solving difficult problems.
3. Keep up with work on a daily basis, and be prepared to take unannounced quizzes frequently.
4. Independently solicit notes and assignments from other students, as well as read the text in the event of absence from class.

#### **434 AC PRE-CALCULUS**

##### **The student is expected to:**

1. Thoroughly review and master all material previously covered in Algebra II. If necessary, the student is expected to review the material independently in order to be prepared for AC Pre-Calculus. These topics will not be reviewed in AC Pre-Calculus, but are a necessary foundation for the course.
2. Actively participate in, and contribute to, classroom discussions.
3. Apply basic concepts covered in class to more complicated problems as part of regular homework assignments. An AC Pre-Calculus student should enjoy the challenge of solving difficult problems.

4. Demonstrate the ability to discover connections and patterns between seemingly disparate ideas on tests, rather than merely demonstrate rote mechanics in problem-solving.
5. Keep up with work on a daily basis.

#### **442/445 AP CALCULUS AB/BC**

##### **The student is expected to:**

1. Have mastered concepts and demonstrated strong skills in previous math courses, especially algebra and trigonometry.
2. Have above average ability to analyze and solve problems using those concepts and skills.
3. Actively participate in, and contribute to, classroom discussions.
4. Apply concepts covered in class to more complicated problems as part of regular homework assignments. An AP Calculus student should enjoy the challenge of solving difficult problems.
5. Demonstrate the ability to be an original, creative thinker, and uncover the structure and connections between various calculus topics, and how they can be used to solve different types of problems.
6. Keep up with work on a daily basis, and be prepared to take unannounced quizzes frequently.
7. Take the Advanced Placement Exam in Calculus given by the College Board in May.

#### **446 AP STATISTICS**

##### **The student is expected to:**

1. Apply critical thinking skills to solve problems which are stated differently from those encountered in homework and in class.
2. Actively participate in, and contribute to, classroom discussions.
3. Supplement classroom instructions with reading of the text.
4. Be able to express solutions in a clear, organized, and legible fashion.
5. Uncover the connections between the basic statistical topics of inference, confidence intervals, and hypothesis testing. An AP Statistics student should enjoy the challenge of solving complicated problems.
6. Demonstrate the ability to be an original, creative thinker, and uncover the structure and connections between various statistics topics, and how they can be used to solve different types of problems
7. Keep up with work on a daily basis, and be prepared to take unannounced quizzes frequently
8. Take the Advanced Placement Exam in Statistics given by the College Board in May.

#### **447 AC MULTI-VARIABLE CALCULUS**

##### **The student is expected to:**

1. Have mastered the concepts and demonstrated strong skills in AP Calculus BC.
2. Be self-motivated to stay current with lessons and homework assignments in an online environment.
3. Make use of the available resources within the course to resolve questions.



## **522 AC CHEMISTRY 1**

### **The student is expected to:**

1. Display excellent algebra skills, abstract reasoning skills, and self-discipline; no previous knowledge of chemistry is necessary but the material is cumulative.
2. Review material presented in class and do approximately 30 minutes of homework, 5 days a week.
3. Take tests over major topics about once every two weeks.
4. Conduct laboratory investigations and report results in a prescribed format. These lab activities require critical thinking, mathematical analysis and use of writing skills.

## **547 AP CHEMISTRY 2**

### **The student is expected to:**

1. Have mastered fundamental concepts and demonstrated strong skills in the previous chemistry class.
2. Have completed or be concurrently enrolled in algebra II.
3. Have above average ability to analyze and solve problems which apply algebra skills.
4. Read approximately 25 pages of a college-level text and complete up to 5 hours of assignments each week.
5. In addition to meeting one period per day, class may meet up to 5 days per semester during lunch to complete lab work and review for the national AP test.
6. Take tests over major topics about every three weeks which include multiple choice and free response questions.
7. Take the AP Chemistry Exam administered by the College Board during the school day in May.

## **549 AP BIOLOGY 2**

### **The student is expected to:**

1. Read 5-15 pages every two days of class, in addition to homework assignments, and review video lectures which should take on the average 20-30 minutes nightly.
2. Take a major exam based on reading assignments and lecture notes every 2-3 weeks.
3. Complete 15 laboratory and/or online based exercises (one every two weeks), that will usually involve working during half the lunch period on two consecutive days, and write formal lab reports.
4. Complete homework assignments during the Christmas and Spring breaks.
5. Take field trips as opportunities arise.
6. In addition to meeting one period per day, class will meet 1 day during lunch every 6 day cycle for extended lab time.
7. Take the AP Biology Exam administered by the College Board during the school day in May.

## **553 AP PHYSICS C**

### **The student is expected to:**

1. Bring a copy of the textbook and a graphing calculator to class every day.

2. Review each chapter as it is being studied and assigned.
3. Review material presented in class and do approximately 30 minutes of homework, 5 days a week.
4. Perform required labs for the course and write formal lab reports demonstrating critical thought, mathematical and graphical analysis and commensurate writing skills.
5. Work on assigned problem sets during class when time is given for this activity.
6. Take the Advanced Placement Tests given by the College Board.

### **556 AP PHYSICS 1**

#### **Students will be expected to:**

1. Complete the assigned textbook reading prior to class.
2. Take notes during class lectures so they may come to class ready to solve problems. This includes the complete solutions to all online example problems.
3. Solve problem sets in class in small groups.
4. Complete any unfinished problems from the in-class set at home.
5. Complete unit homework assignments to better understand the concepts of the material.
6. Complete AP labs for each chapter covered which includes formal write ups as specified by the College Board.
7. Memorize the necessary equations for both quizzes and tests.
8. Be prepared to solve quiz problems without the use of a calculator.
9. Use their calculator efficiently on tests to complete more problems than were present on the quiz.
10. Use their fundamental knowledge of the chapter to answer multiple choice questions on the quizzes and tests in addition to the free response questions.
11. Complete in class assignments and actively participated during group problem solving activities

### **557 AP ENVIRONMENTAL SCIENCE**

#### **Student will be expected to:**

1. Read 5-15 pages every two days of class, in addition to homework assignments, and review video lectures which should take on the average 20-30 minutes nightly.
2. Take a major exam based on reading assignments and lecture notes every 2-3 weeks.
3. Complete 15 laboratory and/or online based exercises (one every two weeks) and write formal lab reports.
4. Student must study several chapters and complete homework assignments during the Christmas and Spring breaks.
5. Perhaps take field trips if the opportunities arise.
6. In addition to meeting one period/day, class will meet 12 lunch periods for extended lab time.
7. Take the Advanced Placement Test given by the College Board.

### **558 AP PHYSICS 2**

#### **Students will be expected to:**

1. Complete the assigned textbook reading prior to class.

2. Take notes during class lectures so they may come to class ready to solve problems. This includes the complete solutions to all online example problems.
3. Solve problem sets in class in small groups.
4. Complete any unfinished problems from the in-class set at home.
5. Complete unit homework assignments to better understand the concepts of the material.
6. Complete AP labs for each chapter covered which includes formal write ups as specified by the College Board.
7. Memorize the necessary equations for both quizzes and tests.
8. Be prepared to solve quiz problems without the use of a calculator.
9. Use their calculator efficiently on tests to complete more problems than were present on the quiz.
10. Use their fundamental knowledge of the chapter to answer multiple choice questions on the quizzes and tests in addition to the free response questions.
11. Complete in class assignments and actively participated during group problem solving activities

## **614 AP WORLD HISTORY**

### **The student is expected to:**

1. Be prepared for an accelerated pace and more sophisticated content.
2. Understand that more reading and discussion of the readings is required compared to a regular World History course.
3. The course will utilize the student's iPad to produce and turn in work digitally.
4. Hand written notes will be emphasized in the course.
5. Understand that writing is an important component. Several essays (document based and free response) will be assigned throughout the semester.
6. To be able discuss mature and at times controversial topics.
7. Understand that they will be accountable for assigned materials that are not explicitly covered in class.
8. More personal responsibility for time management and keeping up with the work load.
9. Read, take notes on, and analyze readings from the textbook or other secondary sources as well as primary sources on a nightly basis.
10. Analyze and interpret a wide variety of primary sources—documents, maps, statistical tables, works of art, cartoons, etc.
11. Participate in class discussion on issues and topics from the readings and lectures in meaningful ways.
12. Develop map skills and an awareness of world regions and the locations of major geographical landforms in order to better understand the development of cultures and cross-cultural interactions.
13. Debate questions about human commonalities and differences and the historical context of culturally diverse ideas and values.
14. Think comparatively, considering human commonalities and differences, and see global patterns and processes over time and space.
15. Create and critique historical interpretations as well as synthesize historical evidence in order to construct plausible and persuasive arguments.

16. Write document-based essays in which historical material—both primary and secondary—is evaluated with respect to purpose, point-of-view, context, bias, etc. in order to develop an argument based on the relevant historical evidence.
17. Write thematic essays addressing issues of change and continuity over time—both within and between cultures—as well as being able to compare and differentiate amongst peoples and groups across space and time.

## **622 AP US HISTORY**

### **The student is expected to:**

1. Students must be self-motivated and understand that some material will be self-guided, assigned and completed outside of class.
2. Understand that they will be accountable for assigned materials that are not explicitly covered in class.
3. Regularly check the class website and calendar for information.
4. The course will be a combination of in-class notes and lecture, online lectures, primary sources and outside readings.
5. Read approximately 30-60 pages of the college level textbook per week. Roughly a chapter and a half a week.
6. Spend at least 45 minutes each day on assignments either reading, taking notes on the reading, or reviewing and revising class notes.
7. Actively participate in class discussion and presentations.
8. Take an objective exam at the end of each unit and a quiz per chapter. An average week will have two quizzes or a test and a quiz.
9. Understand that writing is an important component. Several essays (document based and free response) will be assigned. These are required parts of the AP exam.
10. Read at least one outside reading a semester. Review sheets will be available to help with tests.
11. Take the AP United States History Exam administered during the school day in May.

## **670 AP MICROECONOMICS**

### **The student is expected to:**

1. Be highly motivated to study microeconomics.
2. Possess strong reading comprehension and writing skills.
3. Be a disciplined and self-starting worker.
4. Be able to successfully read at a college level; Read 30-40 pages of a college textbook each week and discuss and take notes in class on topics related to the readings.
5. Be able to operate at the Bloom levels of analysis, synthesis and evaluation, with teacher assistance.
6. Take the AP Microeconomics exam in May.

## **671 AP MACROECONOMICS**

### **The student is expected to:**

1. Be highly motivated to study microeconomics.

2. Possess strong reading comprehension and writing skills.
3. Be a disciplined and self-starting worker.
4. Be able to successfully read at a college level; Read 30-40 pages of a college textbook each week and discuss and take notes in class on topics related to the readings.
5. Be able to operate at the Bloom levels of analysis, synthesis and evaluation, with teacher assistance.
6. Take the AP Macroeconomics exam in May.

### **676 AP US GOVERNMENT & POLITICS**

#### **The student is expected to:**

1. Be highly motivated to study politics and political science.
2. Possess strong reading comprehension and writing skills.
3. Be a disciplined and self-starting worker.
4. Be able to successfully read at a college level; Read 30-40 pages of a college textbook in political science each week and discuss and take notes in class on topics related to the readings.
5. Be able to operate at the Bloom levels of analysis, synthesis and evaluation, with teacher assistance.
6. Be able to read current, popular political analysis independently.
7. Take the AP US Government/Politics exam in May.

### **682 AP COMPARATIVE GOVERNMENT**

#### **The student is expected to:**

1. Have a strong interest and desire to learn about world politics and current events.
2. Have a strong grounding in US Government and Politics.
3. Be interested and able to read weekly about the current issues and political history of China, Great Britain, Iran, Mexico, Russia, and Nigeria.
4. Be able to read successfully from a college level textbook and adult level news periodicals like The Economist for a total of 30-50 collective pages a week.
5. Actively participate in class discussion and projects.
6. Be accountable for certain assigned materials that may not be explicitly covered in class.
7. Recognize that the AP test has an essay component. Therefore writing will be assigned often.
8. Be well organized, knowing the class is one semester and that the class will move rapidly.
9. Read an assigned outside reading prior to class beginning.
10. Take quizzes and assessments often, sometimes daily based on readings and class discussions.
11. Take the AP Comparative Government and Politics exam in May.

### **687 AP PSYCHOLOGY**

#### **The student is expected to:**

1. Be highly motivated to study psychology.
2. Possess strong reading comprehension and writing skills.
3. Be a disciplined and self-starting worker.

4. Be able to successfully read at a college level; Read 15-20 pages of a college textbook in psychology each week and discuss and take notes in class on topics related to the readings.
5. Be able to operate at the Bloom levels of analysis, synthesis and evaluation, with teacher assistance.
6. Take the AP Psychology exam in May.

## **688 AP EUROPEAN HISTORY**

### **The student is expected to:**

1. Be prepared for an accelerated pace and more sophisticated content.
2. Understand that more reading and discussion of the readings is required compared to a regular World History course.
3. The course will utilize the student's iPad to produce and turn in work digitally.
4. Hand written notes will be emphasized in the course.
5. Understand that writing is an important component. Several essays (document based and free response) will be assigned throughout the semester.
6. To be able discuss mature and at times controversial topics.
7. Understand that they will be accountable for assigned materials that are not explicitly covered in class.
8. More personal responsibility for time management and keeping up with the work load.
9. Read, take notes on, and analyze readings from the textbook or other secondary sources as well as primary sources on a nightly basis.
10. Analyze and interpret a wide variety of primary sources—documents, maps, statistical tables, works of art, cartoons, etc.
11. Participate in class discussion on issues and topics from the readings and lectures in meaningful ways.
12. Develop map skills and an awareness of world regions and the locations of major geographical landforms in order to better understand the development of cultures and cross-cultural interactions.
13. Debate questions about human commonalities and differences and the historical context of culturally diverse ideas and values.
14. Think comparatively, considering human commonalities and differences, and see global patterns and processes over time and space.
15. Create and critique historical interpretations as well as synthesize historical evidence in order to construct plausible and persuasive arguments.
16. Write document-based essays in which historical material—both primary and secondary—is evaluated with respect to purpose, point-of-view, context, bias, etc. in order to develop an argument based on the relevant historical evidence.
17. Write thematic essays addressing issues of change and continuity over time—both within and between cultures—as well as being able to compare and differentiate amongst peoples and groups across space and time.
18. Take the AP European History Exam in May.

## **689 AP HUMAN GEOGRAPHY**

### **The student is expected to:**

1. Have a strong interest and desire to learn about world politics and current events.
2. Have a strong grounding in US Government and Politics.
3. Actively participate in class discussion and projects.
4. Be accountable for certain assigned materials that may not be explicitly covered in class.
5. Recognize that the AP test has an essay component. Therefore writing will be assigned often.
6. Be well organized, knowing the class is one semester and that the class will move rapidly.
7. Read an assigned outside reading prior to class beginning.
8. Take quizzes and assessments often, sometimes daily based on readings and class discussions.
9. Take the AP Human Geography exam in May.

## **690 AP SEMINAR**

### **The student is expected to:**

1. Students must understand this is a 2-year commitment heavily relying upon students being self-directed and eager to research at a college level.
2. Students must be self-motivated and understand that some material will be self-guided, assigned and completed outside of class.
3. Understand that they will be accountable for assigned materials that are not explicitly covered in class.
4. Regularly check the class website and calendar for information.
5. The course will be a combination of in-class notes and lecture, online lectures, primary sources and outside readings.
6. Read approximately 30-60 pages of the college level textbook per week. Roughly a chapter and a half a week.
7. Spend at least 45 minutes each day on assignments either reading, taking notes on the reading, or reviewing and revising class notes.
8. Actively participate in class discussion and presentations.
9. Understand that writing is an important component. Several essays (document based and free response) will be assigned. These are required parts of the AP exam.
10. Take the AP Seminar Exam administered during the school day in May.

## **760 AP MUSIC THEORY (1 CREDIT)**

### **The student is expected to:**

1. Review music fundamentals, including: scales, key signatures, circle of fifths, intervals, triads, and inversions
2. Complete ear training, including rhythmic, melodic, and harmonic dictation
3. Complete weekly sight-singing using numbers for pitches
4. Understand modes
5. Understand figured bass
6. Understand two-part counterpoint
7. Understand four-part harmony

8. Understand seventh chords
9. Understand secondary-dominant functions
10. Understand musical form
11. Complete common compositional techniques

### **828 AP COMPUTER SCIENCE**

#### **The student is expected to:**

1. Display excellent problem-solving and abstract thinking skills.
2. Display self-discipline in the lab, using the computer only for course-related activities.
3. Be able to work independently on projects or as a productive member of a group, as assigned.
4. Complete assigned readings & be prepared for announced and unannounced quizzes.
5. Complete unfinished lab assignments at home, if he cannot meet completion deadlines during the allotted time.
6. Complete assigned programs as homework.
7. Be able to write code without the use of the computer on tests, quizzes, and assessments.
8. Install required software on a home computer.
9. Take the AP Computer Science A exam in May.

### **841 AC DATA STRUCTURES & ALGORITHMS**

#### **The student is expected to:**

1. Write, run, test, and debug solutions in the Java programming language, utilizing standard Java library classes and interfaces
2. Write solutions fluently in an object-oriented paradigm.
3. Display excellent problem-solving and abstract thinking skills.
4. Display self-discipline in the lab, using the computer only for course-related activities.
5. Be able to work independently on projects or as a productive member of a group, as assigned.
6. Complete assigned readings & be prepared for announced and unannounced quizzes.
7. Complete unfinished lab assignments at home, if he cannot meet completion deadlines during the allotted time.
8. Complete assigned programs as homework.
9. Be able to write code without the use of the computer on tests, quizzes, and assessments.
10. Install required software on a home computer.

### **851 AP COMPUTER SCIENCE PRINCIPLES (1 CREDIT)**

#### **The Student is expected to:**

1. Identify impacts of computing
2. Describe and explain connections between people and computing
3. Create and develop a computational artifact (i.e. digital music, animation, website, application, etc) with a practical, personal, and societal intent
4. Display excellent problem-solving and abstract thinking skills
5. Display self-discipline in the lab, using the computer only for course-related activities.
6. Be able to work independently on projects or as a productive member of a group, as assigned.



7. Complete assigned readings & be prepared for announced and unannounced quizzes.
8. Complete unfinished assignments at home, if he cannot meet completion deadlines during the allotted time.
9. Take the AP Computer Science Principles exam in May.