



Men for Others

2020-2021
COURSE CATALOG

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GRADUATION REQUIREMENTS

To be awarded a college preparatory diploma, a student must have earned a **minimum of 23½ units of credit**. A unit of credit is equivalent to a passing grade in a subject for two semesters; a half-credit is earned by completing a one-semester course; a quarter-credit is earned in Physical Education, Oral Communication, and Information Processing.

Specific credit requirements for graduation are listed below. **Each student is required to take at least SIX courses in each of his eight semesters.**

CREDIT REQUIREMENTS			
SUBJECT	DESCRIPTION		TOTAL CREDITS
ENGLISH	Oral Communication	.25	4.25
	English 1	1	
	English 2	1	
	English 3 OR AP English Lit	1	
	AP English Lit or Lang OR 2 Electives (at least 1 reading-based)	1	
MATHEMATICS For the class years 2021, 2022, and 2023	Algebra I	1	4
	Algebra II	1	
	Geometry and Trigonometry OR Precalculus	1	
	Intro to Calculus OR Calculus (AP or Non-AP) OR AP Statistics	1	
MATHEMATICS For the class year 2024	Algebra I OR Algebra II	1	4
	Algebra II OR Geometry	1	
	Geometry OR Precalculus	1	
	Pre-Calculus OR Intro to Calculus OR Calculus (AP or Non-AP)	1	
	OR AP Statistics		
COMPUTER SCIENCE	Information Processing	.25	.25
WORLD LANGUAGES	Proficiency in level 3 of a World Language	3	3
HEALTH	Health CORE 1	.50	.50
PHYSICAL EDUCATION	PE CORE 1	.25	.50
	PE 2 Fit OR Adv PE	.25	
RELIGIOUS STUDIES	Scriptures	1	4
	Faith and Church and Sacraments	1	
	Morality and Social Justice	1	
	Elective - 1 st Semester Senior Year	.50	
	Elective - Junior Year or 2 nd Semester Senior Year	.50	
SCIENCE	Biology	1	3
	Chemistry	1	
	Physics	1	

SOCIAL STUDIES	Modern World History	1	3
	Economics and Financial Literacy	.50	
	US History OR AP US History	1	
	American Political System OR AP US Government	.50	
FINE ARTS	Fine Arts 1	.50	1
	Fine Arts 2 same discipline OR Fine Arts 1 different discipline	.50	

COLLEGE PREP CURRICULUM

	FRESHMEN	SOPHOMORES	JUNIORS	SENIORS
ENGLISH	English I Oral Communication	English II	English III or AP English Lit	English Electives or AP English
MATH <i>For the class years 2021, 2022, and 2023</i>	Algebra I	Algebra II	Geometry/Trig	Introduction to Calculus
	Algebra I	Algebra II	Geometry/Trig	Calculus (non-AP) or AP Stats
	Algebra I / Geometry	Algebra II	Precalculus AB	AP Calculus AB
	Algebra II	Prob Stats/Geometry	Precalculus BC	AP Calculus BC
MATH <i>For the class year 2024</i>	Algebra I	Algebra II	Geometry	Pre-Calculus
	Algebra I	Algebra II	Geometry	Calculus (non-AP) or AP Stats
	Algebra II	Geometry	Pre-Calculus or Precalculus AB	Calculus or AP Calculus AB
	Algebra II	Prob Stats/Geometry	Precalculus BC	AP Calculus BC
WORLD LANGUAGES	Language I	Language II	Language III	Language IV/AP
	Language II	Language III	Language IV/AP	Language IV/AP
SCIENCE	Biology or Honors Biology	Chemistry or Honors Chemistry Electives: Anatomy	Physics, AP Physics I or AP Lab Science Electives (AP Chemistry, AP Biology) or Non-Lab Electives: Anatomy, Physiology, Intro. to Psych, AP Psych/Neuroscience, Engineering Foundations, Environmental Science.	AP Physics I or Physics or AP Lab Science Electives: (AP Chemistry, AP Biology, AP Physics C) or Non-Lab Electives: Anatomy, Physiology, Intro. to Psych, AP Psych/Neuroscience, Engineering Foundations, Environmental Science
SOCIAL STUDIES	Modern World History or AP Modern World	Econ and Financial Literacy or AP Macroeconomics	US History or AP US History	AP US Government and Politics or The American Political System Social Studies Electives
There are numerous electives in math, world languages, science, and social studies that are offered to juniors and seniors.				

STANDARD CURRICULUM FLOWCHART FOR OTHER COURSES

COMPUTER SCIENCES (*with permission)	Information Processing	Students are able to start taking Computer Science Electives starting their Sophomore Year: Programming Electives: Intro to Java, *AP Computer Science A, *Computer Science AB Other Electives: *AP CS Principles, 3D Modeling, Game Design, Mobile Device App Development, Web Design, Multi-Media and Film, Advance Game or Multi-Media, *Technology Service Experience, *Broadcast Journalism I & II		
HEALTH / PHYS ED (*with permission) (*Prerequisite required)		Health / PE (CORE) PE 2 (Summer) <i>(Students may register to take Summer PE 2 during any summer after freshman year)</i>	PE 2 Personal Fitness ** PE 3 Advanced Personal Fitness <i>(must complete one season during freshman and/or sophomore year in sport of choice)</i>	*Health 2 Intro to Sports Medicine <i>(**PE 2 or PE 3 Adv prerequisite)</i> **PE 3 Adv Personal Fitness <i>(PE 2 prerequisite)</i>
RELIGIOUS STUDIES	Scriptures	Faith, Church, and Sacraments	Morality / Justice (Religion Electives) *	Religion Electives*
	* All Seniors are required to take a religious studies elective during the first semester. All first semester religious studies electives are for seniors only and will cover a unit on Vocations. Some religious studies electives are open to juniors during the second semester.			

<i>FINE ARTS</i>	<p>2 semesters of Fine Arts are required for graduation (1 Freshman year, 1 Sophomore year). Freshmen choose a Level 1 course in any genre (No Prerequisites). Freshmen with advanced skills have the ability to place into a higher-level course, pending teacher approval.</p> <p>Beyond graduation requirements, students can take <u>ANY</u> Fine Arts courses as electives, as long as prerequisites are met or teacher approval is provided.</p>		
	<p><u>No Prerequisites Needed</u></p> <p>Creative Thinking and any Level 1 Fine Arts class (except Stagecraft 1)</p>	<p><u>Level 1 Prereq or Teacher Approval</u></p> <p>Any Level 2 Fine Arts class, as well as Stagecraft 1, 2D Design, and Sculpture</p>	<p><u>No Prerequisites Needed</u></p> <p>Creative Thinking and any Level 1 Fine Arts class (except Stagecraft 1)</p>

LETTER TO JUNIORS

To: Students and Parents

From: Ms. Jennifer Ziebol-Williams, Assistant Principal for Academics, the St. Xavier School Counselors and College Advisors

Re: Selection of Courses

You have important choices to make about your courses. We have prepared some guidelines to help you to make thoughtful and wise choices. Please read this sheet carefully.

APPROPRIATENESS AND BALANCE

In general, students are encouraged to take on as much rigor in their course load as they can reasonably handle and still maintain balance among their academic, extracurricular, and personal lives. Colleges are looking for students who have challenged themselves in a broad range of courses, with emphasis on your core subjects. The transcript is considered the most important document to college admissions. The importance of performing well academically cannot be stressed enough. You are encouraged to consider your academic interests, as long as it's not at the expense of your overall rigor or your preparation for college.

FACTS ABOUT COLLEGE ADMISSION AND CONSIDERATIONS FOR COURSES

- Colleges typically recommend these minimum requirements for admission consideration. Additional course work in core areas such as math, natural science and world language is a strong indicator of one's potential to succeed in college. Therefore, students exceeding these recommendations are typically given additional consideration.
 - English: four years
 - Math: four years (including Calculus for students interested in engineering)
 - Natural Sciences: three years of lab sciences
 - Social Studies: three years
 - World Language: three years of one world language
 - Visual or Performing Arts: one year

HIGHLY SELECTIVE UNIVERSITIES

- If you are considering application to a selective college, you should bear in mind that many selective colleges have minimum course requirements for entering students. It is best to research each school individually.
- The most selective universities will expect students to maximize the coursework offered at their high school. The number of Advanced Placement (AP) courses *and your achievement* ("A" or "B") in them is highly regarded in the admission process. Choosing to take an AP class should be considered carefully with attention to your desired colleges and your skill level and motivation. It's wise to discuss this with your teacher, parent and counselor to gain the fullest perspective.

This is a critical step in preparing for a successful academic future, while discerning your strengths, interests and goals.

2020-21 COURSE CODES

CODE	DESCRIPTION	DEPT	9	10	11	12	CREDIT
ENGLISH							
1000	Oral Communication	EN	9				0.25
1102	Honors English 1	EN	9				1.00
1101	English 1	EN	9				1.00
1100	English 1	EN	9				1.00
1202	Honors English 2	EN		10			1.00
1201	English 2	EN		10			1.00
1200	English 2	EN		10			1.00
1302	Honors English 3	EN			11		1.00
1301	English 3	EN			11		1.00
1300	English 3	EN			11		1.00
1499	AP English Language	EN				12	1.00
1498	AP English Literature	EN			11	12	1.00
1440	American Authors	EN				12	0.50
1449	Contemporary Short Story	EN				12	0.50
1448	Non-Fiction	EN				12	0.50
1454	Other Voices of American Literature	EN				12	0.50
1463	Science Fiction	EN				12	0.50
1443	Studies in Shakespeare	EN				12	0.50
1460	Woods and Waters	EN				12	0.50
1455	World Literature	EN				12	0.50
1456	Shakespeare in Film	EN				12	0.50
1411	American Film (Non-Reading Based)	EN				12	0.50
1412	Creative Writing (Non-Reading Based)	EN				12	0.50
MATHEMATICS							
2110	Honors Algebra II	MT	9				1.00
2121	Algebra II	MT	9				1.00
2130	Algebra I	MT	9				1.00
2140	Algebra I	MT	9				1.00
2210	Honors Prob/Stats/Geometry	MT		10			1.00
2211	Honors Prob/Stats (S1)	MT		10			0.50
2212	Honors Geometry (S2)	MT		10			0.50
2220	Honors Algebra II	MT		10			1.00
2221	Geometry (S2)	MT		10			0.50
2222	Geometry (Summer)	MT	9	10			0.50
2230	Algebra II	MT		10			1.00
2240	Algebra II	MT		10			1.00
2310	Honors Precalculus BC	MT			11		1.00
2320	Honors Precalculus AB	MT			11		1.00
2330	Geometry (S1)	MT			11		0.50
2340	Geometry (S1)	MT			11		0.50

2331	Trigonometry (S2)	MT			11		0.50
2341	Trigonometry (S2)	MT			11		0.50
2441	Introduction to Calculus (S1)	MT			11		0.50
2450	Introduction to Calculus (S1)	MT				12	0.50
2730	AP Statistics	MT	9	10	11	12	1.00
2731	AP Statistics (S2)	MT	9	10	11	12	0.50
2503	Statistics	MT		10	11	12	0.50
2430	Honors Calculus	MT				12	1.00
2440	Introduction to Calculus	MT				12	1.00
2710	AP Calculus BC	MT				12	1.00
2720	AP Calculus AB	MT				12	1.00
2711	Linear Algebra (S1)	MT				12	0.50
2712	Multivariable Calculus (S2)	MT				12	0.50
2501	Accounting	MT				12	0.50
2502	Finance	MT				12	0.50
COMPUTER SCIENCE							
3101	Information Processing	CS	9				0.25
3201	Multi-Media and Film	CS		10	11	12	0.50
3202	3D Modeling	CS		10	11	12	0.50
3203	Web Design	CS		10	11	12	0.50
3204	Game Design	CS		10	11	12	0.50
3205	Mobile Device Application Development	CS		10	11	12	0.50
3221	Introduction to Java Programming	CS		10	11	12	0.50
3321	AP Computer Science A	CS		10	11	12	0.50
3322	Computer Science AB	CS			11	12	0.50
3311	AP CS Principles	CS		10	11	12	0.50
3301	Technology Service Experience	CS			11	12	0.50
3501	Advance Game or Multi-Media	CS			11	12	0.50
3401	Broadcast Journalism I	CS			11	12	0.50
3402	Broadcast Journalism II	CS			11	12	0.50
WORLD LANGUAGE							
4140	Chinese 1	WL	9			12	1.00
4240	Chinese 2	WL		10			1.00
4340	Chinese 3	WL			11		1.00
4440	AP Chinese Language	WL			11	12	1.00
4100	French 1	WL	9			12	1.00
4200	French 2	WL		10			1.00
4300	French 3	WL			11		1.00
4305	Honors French 3	WL			11		1.00
4400	French Composition	WL			11	12	1.00
4405	AP French Language	WL			11	12	1.00
4110	German 1	WL	9			12	1.00
4210	German 2	WL		10			1.00
4310	German 3	WL			11		1.00

4315	Honors German 3	WL			11		1.00
4410	AP German Language	WL			11	12	1.00
4120	Latin 1	WL	9			12	1.00
4220	Latin 2	WL		10			1.00
4320	Latin 3	WL			11		1.00
4325	Honors Latin 3	WL			11		1.00
4420	Latin Literature	WL			11	12	1.00
4425	AP Latin Language	WL			11	12	1.00
4130	Spanish 1	WL	9			12	1.00
4230	Spanish 2	WL		10			1.00
4330	Spanish 3	WL			11		1.00
4335	Honors Spanish 3	WL			11		1.00
4430	Spanish Composition and Conversation	WL			11	12	1.00
4535	AP Spanish Language	WL			11	12	1.00
4800	Greek 1	WL			11	12	1.00
4850	Greek 2	WL				12	1.00
4820	Portuguese 1	WL			11	12	1.00
4840	Greek Mythology	WL			11	12	0.50
4860	Spanish Literature and Film	WL			11	12	0.50
HEALTH/PE							
5239	Health CORE	PE		10			0.50
5235	PE CORE 1	PE		10			0.25
5336	PE 2 Personal Fitness	PE			11	12	0.25
5340	PE 3 Adv Cross Country	PE			11		0.25
5341	PE 3 Adv Football	PE			11		0.25
5342	PE 3 Adv Golf	PE			11		0.25
5343	PE 3 Adv Soccer	PE			11		0.25
5344	PE 3 Adv Water Polo	PE			11		0.25
5350	PE 3 Adv Basketball	PE			11		0.25
5351	PE 3 Adv Hockey	PE			11		0.25
5352	PE 3 Adv Swimming	PE			11		0.25
5353	PE 3 Adv Wrestling	PE			11		0.25
5354	PE 3 Adv Bowling	PE			11		0.25
5360	PE 3 Adv Baseball	PE			11		0.25
5361	PE 3 Adv Lacrosse	PE			11		0.25
5362	PE 3 Adv Rugby	PE			11		0.25
5363	PE 3 Adv Track	PE			11		0.25
5364	PE 3 Adv Tennis	PE			11		0.25
5365	PE 3 Adv Volleyball	PE			11		0.25
5366	PE 3 Adv CJRC	PE			11		0.25
5435	PE 3 Adv Personal Fitness	PE				12	0.25
5439	Health 2 Intro to Sports Medicine	PE				12	0.50
RELIGIOUS STUDIES							
6102	Honors Scriptures	RL	9				1.00

6101	Scriptures	RL	9				1.00
6100	Scriptures	RL	9				1.00
6201	Faith and Church and Sacraments	RL		10			1.00
6301	Morality and Social Justice	RL			11		1.00
6311	Morality and Social Justice with Service	RL			11		1.00
6321	Morality and Social Justice with US/Svc	RL			11		1.00
6401	Gospel According to Popular Culture	RL			11	12	0.50
6402	Meditation	RL			11	12	0.50
6403	Responding to Violence	RL			11	12	0.50
6455	Bioethics	RL			11	12	0.50
6452	Relationships	RL				12	0.50
6454	World Religions	RL				12	0.50
6451	Question of God	RL				12	0.50
6453	Ignatian Themes in Film	RL				12	0.50
6456	Walking the Way: The Camino de Santiago	RL			11	12	0.50
SCIENCE							
7102	Honors Biology	SC	9				1.00
7101	Biology	SC	9				1.00
7100	Biology	SC	9				1.00
7202	Honors Chemistry	SC		10			1.00
7201	Chemistry	SC		10			1.00
7200	Chemistry	SC		10			1.00
7301	Physics	SC			11	12	1.00
7300	Physics	SC			11	12	1.00
7302	AP Physics I	SC			11	12	1.00
SCIENCE LAB ELECTIVES							
7103	AP Biology	SC			11	12	1.00
7203	AP Chemistry	SC			11	12	1.00
7303	AP Physics C	SC				12	1.00
SCIENCE NON-LAB ELECTIVES							
7401	Anatomy	SC		10	11	12	0.50
7402	Physiology	SC		10	11	12	0.50
7403	Introduction to Psychology	SC			11	12	0.50
7407	Environmental Science	SC		10	11	12	0.50
7410	Health Career Seminar (Fall 2021)	SC			11	12	0.25
7411	Marine Science (Summer 2022)	SC		10	11		0.50
7455	Bioethics	SC			11	12	0.50
7404	Engineering Foundations	SC			11	12	1.00
7406	AP Psychology/Neuroscience	SC			11	12	1.00
SOCIAL STUDIES							
8102	AP World History	SS	9				1.00
8101	Modern World History	SS	9				1.00
8100	Modern World History	SS	9				1.00
8202	AP Macroeconomics	SS		10	11	12	0.50

8201	Economics and Financial Literacy	SS		10			0.50
8302	AP United States History	SS			11		1.00
8301	United States History	SS			11		1.00
8300	United States History	SS			11		1.00
8321	United States History/Morality	SS			11		1.00
8402	AP US Government and Politics	SS				12	0.50
8401	The American Political System	SS				12	0.50
8412	AP European History	SS				12	1.00
8446	America in the 1960s	SS			11	12	0.50
8447	American Civil War	SS			11	12	0.50
8455	History of Capitalism	SS			11	12	0.50
8445	The American Legal System	SS			11	12	0.50
8456	Entrepreneurship in Action	SS			11	12	0.50
8457	American Hot Wax	SS			11	12	0.50
8458	20th Century World Wars	SS			11	12	0.50
FINE ARTS							
9000	Creative Thinking	FA			11	12	0.50
MUSICAL ARTS							
9001	Music 1	FA	9	10	11	12	0.50
9002	Music 2	FA		10	11	12	0.50
9005	AP Music Theory	FA			11	12	1.00
9010	Jazz Band	FA		10	11	12	0.50
9011	Band 1	FA	9	10	11	12	0.50
9012	Band 2	FA		10	11	12	0.50
9014	Band 3	FA			11	12	0.50
9009	Band 4	FA				12	0.50
9013	Percussion Ensemble	FA		10	11	12	0.50
9015	Choir 1	FA	9	10	11	12	0.50
9016	Choir 2	FA		10	11	12	0.50
9017	Choir 3	FA		10	11	12	0.50
9021	Guitar 1	FA	9	10	11	12	0.50
9022	Guitar 2	FA		10	11	12	0.50
9023	Guitar 3	FA		10	11	12	0.50
9024	Strings 1	FA	9	10	11	12	0.50
9025	Strings 2	FA		10	11	12	0.50
9026	Strings 3	FA		10	11	12	0.50
9028	Strings 4	FA		10	11	12	0.50
THEATER ARTS							
9031	Acting 1	FA	9	10	11	12	0.50
9032	Acting 2	FA		10	11	12	0.50
9033	Acting 3	FA		10	11	12	0.50
9034	Acting 4	FA			11	12	0.50
9041	Stagecraft 1	FA		10	11	12	0.50
9042	Stagecraft 2	FA		10	11	12	0.50

VISUAL ARTS							
9061	Drawing 1	FA	9	10	11	12	0.50
9062	Drawing 2	FA		10	11	12	0.50
9063	Drawing 3	FA			11	12	0.50
9064	AP Drawing Studio	FA			11	12	1.00
9065	2D Design	FA		10	11	12	0.50
9066	Graphic Design	FA			11	12	0.50
9067	AP 2D Design Studio	FA			11	12	1.00
9068	Photography	FA			11	12	0.50
9069	Painting	FA		10	11	12	0.50
9070	Sculpture	FA		10	11	12	0.50

ENGLISH COURSE DESCRIPTIONS

ENGLISH

Students are automatically placed into their English 1, 2, and 3 classes by the English Department

1000

ORAL COMMUNICATION

Grade 9 / 1 Semester / .25 Credit

Freshmen are automatically enrolled into 1000 Oral Communication and 3101 Information Processing. These two classes earn .25 credit each (for a total of .50 credit in one semester).

Goals and Objectives: This course is designed to introduce freshmen to the area of interpersonal communication, public and persuasive speech, and the fundamentals of debate. The emphasis is placed on developing each student's self-confidence in public speech by using logical, informative thoughts in a persuasive manner.

Content and Methods: This course is taught in a lecture format with the use of articles; group discussions; group work, and guest lectures. Students primarily learn through a series of individual and group speeches in the areas of information, demonstration, sales, persuasion, and debate.

Evaluation and Grading: Grading is based on students' individual skills in the oral presentations, class participation, group work, and in and out of class assignments.

1102

HONORS ENGLISH 1

Grade 9 / 2 Semesters / 1 Credit

Goals and Objectives: To foster proficiency in the basic skills of

written communication by means of a working understanding of grammar and principles of composition; to concentrate upon the teaching of the expository paragraph; to enable the student to communicate through the written word effectively and intelligently; to convince the student that his grounding in the expository paragraph, and later in the expository essay, is the basis for continued refinement and improvement during the remainder of his association with the English curriculum.

Content and Methods: *Materials:* the freshman anthology, Ray Bradbury's *Fahrenheit 451*, *The Book Thief*, other various novels (totaling two novels per quarter), and a vocabulary workbook. *Methods:* includes lecture and discussion, occasional small-group work, individualized work in class, particularly in grammar and vocabulary.

Evaluation and Grading: Tests, quizzes, quarter exams, and multiple writing assignments of paragraph or essay length per quarter.

1101 or 1100

ENGLISH 1

Grade 9 / 2 Semesters / 1 Credit

Goals and Objectives: To foster proficiency in the basic skills of written communication by means of a working understanding of grammar and principles of composition; to concentrate upon the teaching of the expository paragraph; to enable the student to communicate through the written word effectively and intelligently; to convince the student that his grounding in the expository paragraph, and later in the expository essay, is the basis for continued

refinement and improvement during the remainder of his association with the English curriculum.

Content and Methods: *Materials:* the freshman anthology, Ray Bradbury's *Fahrenheit-451*, various novels and a vocabulary workbook. *Methods:* includes lecture and discussion, occasional small-group work, individualized work in class, particularly in grammar and vocabulary.

Evaluation and Grading: Tests, quizzes, quarter exams, and multiple writing assignments of paragraph or essay length per quarter.

1202

HONORS ENGLISH 2

Grade 10 / 2 Semesters / 1 Credit

Goals and Objectives: To develop further the student's ability to write effective paragraphs and expository essays both formal and informal in style; to review standard grammatical usage; to acquaint the student with the various genres of literature, particularly poetry, drama, and fiction; to deepen his appreciation and sharpen his critical awareness through study of these genres.

Content and Methods: The course will deal with an intensive review and development of the student's ability to write expository prose. An introduction to the structures of narrative prose and fiction will be added to this emphasis on composition, as will introductions to the structure and development of drama, and an introduction to the form and content of poetry. Combinations of lecture, class discussion, small-group work, essays,

ENGLISH COURSE DESCRIPTIONS

in-class revision, and audio-visual presentations make up the methods used. Vocabulary and usage study continue throughout the school year.

Evaluation and Grading: Multiple compositions per quarter; quizzes on reading assignments, usage, and vocabulary; and quarter exams.

1201 or 1200

ENGLISH 2

Grade 10 / 2 Semesters / 1 Credit

Goals and Objectives: To develop further the student's ability to write effective paragraphs and expository essays both formal and informal in style; to review standard grammatical usage; to acquaint the student with the various genres of literature, particularly poetry, drama, and fiction; to deepen his appreciation and sharpen his critical awareness through study of these genres.

Content and Methods: The course will deal with an intensive review and development of the student's ability to write expository prose. An introduction to the structures of narrative prose and fiction will be added to this emphasis on composition, as will introductions to the structure and development of drama, and an introduction to the form and content of poetry. Combinations of lecture, class discussion, small-group work, essays, in-class revision, and audio-visual presentations make up the methods used. Vocabulary and usage study continue throughout the school year.

Evaluation and Grading: Four compositions per quarter; quizzes on reading assignments, usage, and vocabulary; and quarter exams.

1302

HONORS ENGLISH 3

Grade 11 / 2 Semesters / 1 Credit

Goals and Objectives: The English 3 course is an historical survey to help students read with pleasure and understanding significant works by British writers from the Anglo-Saxon era to the twentieth century, and to aid students in the development of written expression based chiefly upon the literature. Review and reinforcement of basic skills in grammatical usage and effective written expression are designed to serve as preparation for the SAT.

Content and Methods: Honors, will be chosen by recorded evidence of competence and by teacher recommendation. The group will have a heavy reading program centering on the major ideas manifested in British writing. Writing assignments will demand considerable depth, insight, and development.

Evaluation and Grading: For each level, grades will be based upon quizzes, major tests, essays, and quarter examinations.

1301 or 1300

ENGLISH 3

Grade 11 / 2 Semesters / 1 Credit

Goals and Objectives: The English 3 course is an historical survey to help students read with pleasure and understanding significant works by British writers from the Anglo-Saxon era to the twentieth century, and to aid students in the development of written expression based chiefly upon the literature. Review and

reinforcement of basic skills in grammatical usage and effective written expression are designed to serve as preparation for the SAT.

Content and Methods: We will examine the contribution of significant British writers and will react to it with frequent written assignments. A vocabulary program designed for each level will also be studied and tested.

Evaluation and Grading: For each level, grades will be based upon quizzes, major tests, essays, and quarter examinations.

1499

AP ENGLISH LANGUAGE

Grade 12 / 2 Semesters / 1 Credit

Prerequisites: Students are admitted on the basis of performance in past English classes. Average of all previous semesters 90% or above for regular level English courses, 88% or above for honors level English courses, as well as a 90% or above cumulative grade point average.

Goals and Objectives: The goal of this course is to provide background for the Advanced Placement Test in Composition, and in a more general sense, to prepare students to deal successfully with various writing situations. The emphasis will be on learning to understand and appreciate techniques of rhetoric in the writing of well-known authors and then apply this knowledge to the student's own work.

Content and Methods: Students will read study works that comment on our classical western roots, i.e., the writings of Aristotle and Plato, for a

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greater understanding of the importance of rhetoric in our education and in life. Also, we will read a wide variety of modern and contemporary essayists who have reflected upon issues of human concern and matters of enduring value and meaning.

Evaluation and Grading: Quizzes, essays, presentations, and exams. Students should expect, on average, 45 minutes of homework per night.

1498

AP ENGLISH LITERATURE

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Students are admitted on the basis of performance in past English classes. Average of all previous semesters 90% or above for regular level English courses, 88% or above for honors level English courses, as well as a 90% or above cumulative grade point average.

Goals and Objectives: This course is designed to help talented, interested, and industrious students of English develop two skills: 1) sound critical thinking regarding literature (through a close reading of selected works and extended classroom discussion of them); 2) effective written expression of this criticism. An additional objective of the course is to prepare students for the Advanced Placement Literature and Composition Examination, administered in May.

Content and Methods: Although some lecture is occasionally necessary, emphasis is placed upon students' participation in class discussions of the assigned readings. Students can also expect to be called upon to make one or two brief presentations to other

members of the class on topics related to the literature being studied. Emphasis of course is placed upon writing; some of these themes will be written in class and some will be out-of-class assignments. Approximately one quarter of the class will be devoted to a study of some Shakespearean drama: *Hamlet*, *Henry IV Part 1*, and one comedy. There will also be a brief review of lyric poetry (about two to three weeks) primarily as preparation for the AP examination. The remainder of the course will be devoted to a study of narrative fiction.

Evaluation and Grading: Quizzes, essays, presentations, and exams. Students should expect, on average, 45 minutes of homework per weekday night.

SENIOR READING-BASED ELECTIVES

At least one Senior English class must be Reading-Based

1440

AMERICAN AUTHORS

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To read critically and thoughtfully; to write about literature with fluency, perception, and voice; to become familiar with representative American authors of the past 100 years; to consider secondary sources and criticism; to compare, contrast, analyze, criticize, and apply literature to one's life.

Content and Methods: This course will expose the student to representative works by major

American authors of the last 100 years and consider the recurring themes – the search for an authentic self, Manifest Destiny, freedom, opportunity, self-reliance, the Melting Pot – that make up the American mythology and self-identity. The majority of the authors are Nobel or Pulitzer Prize winners, and most are listed in the top 100 from [Reading Lists for College-Bound Students](#).

Students will read short stories, novellas, novels, and autobiographies by such authors as Henry James, Willa Cather, Ernest Hemingway, William Faulkner, John Steinbeck, Kurt Vonnegut, Richard Wright, and Toni Morrison, among others. Drama may include Arthur Miller's *Death of a Salesman*, Tennessee Williams's *A Streetcar Named Desire*, and Thornton Wilder's *Our Town*.

Evaluation and Grading: Quarter grades will be based on quizzes and short essays on the reading, class discussions, two or three literary analysis papers, and the quarter exam. In addition, there will be an independent project at some point in the semester.

1449

CONTEMPORARY SHORT STORY

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To read, discuss, write about, and think critically about contemporary short stories—those published in the last forty years.

Content and Methods: Students will read from an anthology of the best short stories of the last forty-five years and will read at least one collection by a single author. Students will use

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various analytical tools to help them think critically about the following questions, among others: What is the status of the short story in the hands of the best contemporary writers? What themes seem common in contemporary stories? In what ways do these stories reflect society? Finally, students will investigate a particular author's collection on their own and report to the class on their findings.

Evaluation and Grading: Frequent quizzes and in-class writing on readings; compositions, including one shorter comparative piece in the first quarter and one longer analytical piece in the second quarter, presentations, quarter exams.

1448

NON-FICTION

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To be an educated reader is to be a reader of more than literature. The world of non-fiction writing offers vistas into history, personal narrative, science and nature, sports and culture, in focused ways that literature cannot. The purpose of this class is to expose students to works from various non-fiction categories so that students develop a well-rounded foundation for a lifetime of educated reading.

Content and Methods: Students will read full length books from various non-fiction areas, titles to include *Angela's Ashes*, *Endurance*, *The Professor and the Madman*, and *Double Helix*, among others. Students will also read outside works, both book length and essay length. Class discussion, small group work, student presentations,

and classroom exercises will be the primary methods.

Evaluation and Grading: Analytical and personal experience essays (some in-class; some out-of-class), focused research exercises, presentations, quarter exams, and quizzes.

1454

OTHER VOICES OF AMERICAN LITERATURE

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To expose students to works of American Literature not often found in the traditional canon. Students will experience works from various American cultures including: Native American, Hispanic, African American, Asian, Indian, among others. The course will offer students opportunities to explore and compare their own lives through literature and hands-on cultural experiences.

Content and Methods: The methodology will include novels, short stories, poetry, essays, journals, focused discussions, group projects, music, guest speakers, and collaborative projects. Students will read works such as: *There There*, *I Know Why the Caged Bird Sings*, and other works by authors such as Greg Williams, Frederick Douglass, Martin Luther King Jr., and Malcolm X.

Evaluation and Grading: Quarter grades will be based on objective quizzes and short essays on reading, class discussions, two or three literary analysis papers, group projects, and quarter exams.

1463

SCIENCE FICTION

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To become familiar with the science fiction genre; to consider the impacts of colonial/imperial processes; to consider the ethics of encounters between alien cultures, to learn to see or understand from multiple perspectives; to see ourselves and our world in new ways by studying worlds/cultures different than ours; to increase multi-cultural literacy; to consider issues that we face in a globalized world; to consider the impact and role technology has in our lives; to develop critical reading and writing skills; to conduct inquiry into a science fiction work, author, theme, and topic.

Content and Methods: The class units include: introduction to science fiction as a genre, military science fiction, colonial and post-colonial science fiction, virtual reality, the ethics of encounters (contact science fiction), and dystopias. Students will choose one independent book as well. In an average class, students will take a reading quiz, engage in close reading activities, conduct discussions in "pods" and full class seminar settings, journal, work on projects, and hear lectures. We will read two science fiction novels a quarter, supplemented with enrichment, non-fiction articles as well.

Novels include *Red Rising* (Pierce Brown), *Starship Troopers* (Robert A. Heinlein), and *Ready Player One* (Ernest Cline). Common independent book choices include *Dune* (Frank Herbert), *The Sparrow* (Mary Doria Russell), *Old Man's War* (John Scalzi), *The Hitchhiker's Guide to the Galaxy*

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(Douglas Adams), *Cat's Cradle* (Kurt Vonnegut Jr.), *Speaker for the Dead* (Orson Scott Card), and more. We view 1-2 films a quarter, including *District 9*, *Avatar*, *Blade Runner*, *Star Trek*, *WarGames*, and more.

Evaluation and Grading: Reading quizzes (Canvas), tests (multiple choice), exams (written- short answer/essay), journals (Canvas), a participation grade, and other homework, projects, or writing assignments. Writing assignments include reflection, literary analysis, a podcast, poetry, synthesis, and inquiry (literature review-research paper).

1443

STUDIES IN SHAKESPEARE

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To provide the student the opportunity to broaden his experience and appreciation of Shakespeare through reading, viewing, discussing, and writing about selected comedies, histories, and tragedies.

Content and Methods: Among the plays included in the course are the following: *Henry IV (Part One)*, *Henry V*, *Hamlet*, *Othello*, and *Twelfth Night*. In addition to the plays, a limited amount of critical material will be considered. Although some lecture will be required, emphasis will be placed on the student's participation in class discussion.

Evaluation and Grading: Quizzes and tests on the readings, class participation, essays (some in-class; some out-of-class), a final group project, and exams.

1460

WOODS AND WATERS

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To foster a love and appreciation of nature through critical reading of fiction and non-fiction, writing, discussion, and a sharing of our passion for outdoor pursuits. To become proficient in descriptive writing through the use of a nature journal, and in argumentative writing through position papers organized by rhetorical purpose rather than formulaic structure.

Content and Method: Through reading, discussion, and journaling, students will discover the role of nature in their lives. Students will study the evolution of America's view of nature, and the works of our most influential nature writers and conservationists in order to better understand current conservation issues. Through "adventure presentations" and occasional class trips to our campus nature preserve, students will learn the value of disconnecting from our busy world and finding God and peace in the solitude of nature. Representative authors include Henry David Thoreau, Norman Maclean, Annie Dillard, John Muir, and Wendell Berry. Though there will be some lecture, this course is primarily discussion driven; students will be expected to enter our conversations thoughtfully.

Evaluation and Grading: Grades will be comprised of essays, major projects, reading quizzes, class participation, and exams.

1455

WORLD LITERATURE

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To read and evaluate selected works of world literature from diverse cultures and ages; to consider texts from a variety of genres and traditions in terms of their social and historical context; to develop further the ability to write about literature effectively and thoughtfully.

Content and Methods: In examining the intersection of literature and culture, *The Odyssey* will serve as a foundational text. Students will then read contemporary novels from around the globe, observing how essential questions about the human experience unite different literary traditions. Selections will include: an account of two Chinese boys surviving reeducation during Mao's Cultural Revolution, a tale of two women living in Afghanistan during civil war and Taliban rule, a novella about a man hunting an ocelot in the Amazon rainforest, and the true story of a child soldier in Sierra Leone. The course includes occasional field trips and guest speakers in order to develop an appreciation of Cincinnati as a truly global community of diverse people with rich cultures and their own stories to share.

Evaluation and Grading: Group projects and other types of class activities, quizzes, compositions, and quarter exams.

1456

SHAKESPEARE IN FILM

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: The course will combine a study of the technical

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aspects of film with a study of Shakespeare's plays. Students will explore the various ways filmmakers translate Shakespeare's texts such as *Hamlet*, *Othello*, *Henry IV*, and others, gaining an understanding and appreciation for Shakespeare's plays as well as for the decisions all filmmakers must make.

Content and Methods: Students will read two Shakespearean plays each quarter and discuss theme, characterization, plot and setting; students will learn of film techniques via lecture and watching example films; students will synthesize what they have observed in reading with what they are observing on film.

Evaluation and Grading: Reading quizzes, quizzes on film techniques, essays, a final project on a film not covered in regular course curriculum, and quarter exams.

**Students taking Shakespeare in Film would not be eligible to enroll in the Studies in Shakespeare elective nor the American Film elective. These may be listed as second choices in case a first choice does not work.*

SENIOR NON-READING BASED ELECTIVES

1411

AMERICAN FILM

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To view and discuss selected films of the American film industry; to sharpen the students' critical abilities through careful analysis of plot, character,

cinematography, sound, costuming, and other aspects of film-making; to write about and critique film in a coherent and intelligent manner.

Content and Methods: This course examines films from several American genres and includes such films as *Psycho*, *Do the Right Thing*, *Unforgiven*, *The Maltese Falcon*, and *The Godfather*. In some cases, students will be required to watch all or part of the films outside class time. In addition to viewing these films, students will be required to read outside texts and critical material. Although some lecture will be given, most of the class will be dedicated to student discussion.

Evaluation and Grading: Quizzes, in-class writing, two major projects, and quarter exams.

1412

CREATIVE WRITING

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To give students the opportunity to write poetry, descriptive prose, and short stories.

Content and Methods: The students will discuss and practice techniques used in imaginative writing. Students write two prose sketches, one short story, and a collection of poems. A textbook will be used and will be supplemented with other materials. The best material will be considered for various contests and for publication in school magazines. Aspects of punctuation, grammar, and usage will be reviewed.

Evaluation and Grading: Manuscripts will be graded for form

and content; the "creative" nature of the work does not preclude this kind of grading. Quarter examinations and smaller tests will be given.

MATHEMATICS COURSE DESCRIPTIONS

MATHEMATICS

Placement is determined by the Mathematics Department
(*) denotes a course that requires teacher approval

2110*

HONORS ALGEBRA II

Grade 9 / 2 Semesters / 1 Credit

Prerequisites: Math Placement Test

2121*

ALGEBRA II

Grade 9 / 2 Semesters / 1 Credit

Prerequisites: Math Placement Test

2130 or 2140

ALGEBRA I

Grade 9 / 2 Semesters / 1 Credit

Goals and Objectives: To learn algebraic terminology and how it is applied; to perform all basic operations of algebra; to graph relations in one space and two spaces; to find solutions to linear equations, quadratic equations, and systems of simultaneous first degree equations; to work with rationals and solve rational equations; to work with radicals and solve radical equations; to solve word problems with algebraic equations and inequalities.

Content and Methods: *Materials:* TI-84 graphing calculator. *Methods:* classroom discussion and notes, small group work, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2210*

HONORS

PROB/STATS/GEOMETRY

Grade 10 / 2 Semesters / 1 Credit

Prerequisites: Honors Algebra II, sophomore standing, and teacher approval.

Goals and Objectives: To introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data; to acquaint the students with the theory of probability and to illustrate some applications of probability to statistical theory; to encourage an appreciation for logical organization of proof; to study triangles and their relationships – congruency and similarity; to study perpendicular and parallel lines and planes; to study quadrilaterals and their properties; to study the Pythagorean Theorem and special right triangles; to learn how to calculate areas and volumes; to study circles and spheres.

Content and Methods: *Materials:* TI-84 graphing calculator; teacher developed materials, *Introduction to Statistics & Data Analysis* (Peck, Olsen and Devore) and *Geometry* (Jurgenson). *Methods:* classroom discussion, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Problem sets, quizzes, tests, projects, and quarter exams.

2211*

HONORS PROB/STATS

Grade 10 / 1 Semester / .50 Credit

Prerequisites: Honors Algebra II and teacher approval.

Goals and Objectives: To introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data; to acquaint the students with the theory of probability and to illustrate some applications of probability to statistical theory.

Content and Methods: *Materials:* TI-84 graphing calculator; teacher developed materials, *Introduction to Statistics & Data Analysis* (Peck, Olsen and Devore). *Methods:* classroom discussion, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Problem sets, quizzes, tests, projects, and quarter exams.

2212*

HONORS GEOMETRY

Grade 10 / 1 Semester / .50 Credit

Prerequisites: Honors Algebra II and teacher approval. Concurrently enrolled in AP Statistics.

Goals and Objectives: To encourage an appreciation for logical organization of proof; to study triangles and their relationships – congruency and similarity; to study perpendicular and parallel lines and planes; to study quadrilaterals and their properties; to study the Pythagorean Theorem and special right triangles; to learn how to calculate areas and volumes; to study circles and spheres.

MATHEMATICS COURSE DESCRIPTIONS

Content and Methods: *Materials:* TI-84 graphing calculator; teacher developed materials, and *Geometry* (Jurgenson). *Methods:* classroom discussion, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Problem sets, quizzes, tests, and quarter exams.

2220*

HONORS ALGEBRA II

Grade 10 / 2 Semesters / 1 Credit

Prerequisites:

- Algebra I/Geometry (2120) and teacher approval OR
- Algebra I (2130) and Summer Geometry (2222) and teacher approval OR
- Algebra I (2130), Corequisite: Geometry (2221) and teacher approval

Goals and Objectives: To review the concepts developed in Algebra I; to study quadratic equations and inequalities; to study different types of functions – linear, quadratic, exponential, and logarithmic through the observation of their graphs and defining equations; to introduce analytics; to study the complex number system; to study arithmetic and geometric sequences and series.

Content and Methods: *Materials:* TI-84 graphing calculator. *Methods:* classroom discussion and notes, small group work, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2221*

GEOMETRY

Grade 10 / 1 Semester / .50 Credit

This course is for students who plan to take Geometry during sophomore year to move to Precalc AB during Junior year. Some students registered for this class will be merged in with the Juniors in Geometry 2330.

Prerequisites: Algebra I

Corequisite: Algebra II (2220)

Goals and Objectives: To encourage an appreciation for logical organization of proof; to study triangles and their relationships – congruency and similarity; to study perpendicular and parallel lines and planes; to study quadrilaterals and their properties; to study the Pythagorean Theorem and special right triangles; to learn how to calculate areas and volumes; to study circles and spheres.

Content and Methods: *Materials:* TI-84 graphing calculator. *Methods:* classroom discussion and notes, group work, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Quizzes, tests and quarter exams.

2222*

GEOMETRY SUMMER

Grade 10 / 5 weeks / .50 Credit

This course is for students who plan to take Geometry in the summer after freshman or sophomore year in an effort to take Precalculus AB during junior year. These students also register for Algebra II (2220) for sophomore year OR are currently in Algebra II (2230) and

register for Honors Precalculus AB (2320) for junior year. It may also be taken by students who completed Algebra II freshman year to free up room for an elective in their sophomore year.

Prerequisites: Algebra I (2130) or Algebra II (2110) AND Teacher approval.

Cost: There will be an additional cost of \$400 for this summer session

Dates: Summer of 2020: June 1st – July 3rd Mon-Fri 11:00a.m. - 2:00p.m.

Goals and Objectives: To encourage an appreciation for logical organization of proof; to study triangles and their relationships – congruency and similarity; to study perpendicular and parallel lines and planes; to study quadrilaterals and their properties; to study the Pythagorean Theorem and special right triangles; to learn how to calculate areas and volumes; to study circles and spheres.

Content and Methods: *Materials:* TI-84 graphing calculator. *Methods:* classroom discussion and notes, group work, board work, and homework.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2230 or 2240

ALGEBRA II

Grade 10 / 2 Semesters / 1 Credit

Prerequisites: Algebra I

Goals and Objectives: To review the concepts developed in Algebra I; to study quadratic equations and

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inequalities; to study different types of functions – linear, quadratic, exponential, and logarithmic through the observation of their graphs and defining equations; to introduce analytics; to study the complex number system.

Content and Methods: *Materials:* TI-84 graphing calculator. *Methods:* classroom discussion and notes, small group work, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2310*

HONORS PRECALCULUS BC *Grade 11 / 2 Semesters / 1 Credit*

Prerequisites: Algebra II, Geometry, and teacher approval.

Goals and Objectives: To provide a thorough preparation for the study of BC Calculus and Linear Algebra; to help develop mathematical maturity by emphasizing proof in an abstract mathematical setting; to illustrate significant applications of mathematics whenever appropriate; to stress the unity of mathematics by continually returning to such unifying themes as mappings, binary operations, and groups. Some major topics include: set theory and logic, the algebra of vectors, functions, complex numbers, theory of polynomial equations, functions and inverse functions – exponential, logarithmic, circular, and trigonometric, and an in-depth study of trigonometry and complex numbers, the conic sections and three-dimensional analytic geometry.

Content and Methods: *Materials:* TI-84 graphing calculator and *Modern Introductory Analysis* (Dolciani).

Methods: classroom discussion and notes, board work, daily homework - approximately 45 minutes per night.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2320*

HONORS PRECALCULUS AB *Grade 11 / 2 Semesters / 1 Credit*

Prerequisites: Algebra I, Geometry, Algebra II, and teacher approval.

Goals and Objectives: To provide a thorough preparation for the study of AB Calculus; to provide an in-depth study of functions specifically polynomial, power, rational, exponential, and logarithmic functions; to study all of the key elements of trigonometric functions in right triangle and coordinate situations as well as their graphs; to study the identities and algebraic properties of trigonometric functions; to introduce the fundamental ideas of calculus including limits.

Content and Methods: *Materials:* TI-84 graphing calculator. *Methods:* classroom discussion and notes, group work, board work, and homework - approximately 45 minutes per night.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2330 or 2340

GEOMETRY

Grade 11 / 1st Semester / .50 Credit

Prerequisites: Algebra I and Algebra II.

Corequisite: Takes Geometry 1st semester and Trigonometry 2nd semester.

Goals and Objectives: To encourage an appreciation for logical organization of proof; to study triangles and their relationships – congruency and similarity; to study perpendicular and parallel lines and planes; to study quadrilaterals and their properties; to study the Pythagorean Theorem and special right triangles; to learn how to calculate areas and volumes; to study circles and spheres.

Content and Methods: *Materials:* TI-84 graphing calculator. *Methods:* classroom discussion and notes, group work, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2331 or 2341

TRIGONOMETRY

Grade 11 / 2nd Semester / .50 Credit

Prerequisites: Algebra I, Algebra II, and Geometry.

Corequisite: Takes Geometry 1st semester and Trigonometry 2nd semester.

Goals and Objectives: To study the six trigonometric relationships on both right and oblique triangles, the trigonometric functions on a coordinate plane in both radians and degrees, their graphs, applications

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and the trigonometric identities, and to solve trigonometric equations.

Content and Methods: *Materials:* TI-84 graphing calculator. *Methods:* classroom discussion and notes, group work, board work, and homework.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2441*

INTRODUCTION TO CALCULUS

Grade 11 / 1 Semester / .50 Credit

2730*

AP STATISTICS

Grades 10, 11 / 2 Semesters / 1 Credit

Prerequisites: Algebra I, Algebra II (high level or above), AND teacher approval

Goals and Objectives: To prepare for the Advanced Placement Statistics Exam; to develop strategies for collecting, organizing, analyzing, and drawing conclusions from data; to design, administer, and tabulate results from surveys and experiments; to use probability and simulations to aid in constructing models for chance behavior; to study sampling distributions to provide the logical structure for confidence intervals and hypothesis tests; to develop effective statistical communication skills through frequent written and oral analyses of real data.

Content and Methods: *Materials:* TI-84 graphing calculator, *Introduction to Statistics & Data Analysis* (Peck, Olsen, and Devore). *Method:* Classroom discussion, reading assignments, notes, group work, daily homework.

Evaluation and Grading: Daily assignments, quizzes, projects, tests, and quarterly exams.

2731*

AP STATISTICS

Grades 9, 10, 11 / 1 Semester / .50 Credit

Prerequisites: Algebra I, Algebra II (high level or above), Honors Prob/Stat, or Honors Prob/Stat/Geometry AND teacher approval.

Goals and Objectives: This is the second semester of AP Statistics. It is only for students who have taken the first half already and received an 87% or above in either Honors Prob/Stats or Honors Prob/Stat/Geometry. To prepare for the AP Statistics Exam; to develop strategies for collecting, organizing, analyzing, and drawing conclusions from data; to design, administer, and tabulate results from surveys and experiments; to use probability and simulations to aid in constructing models for chance behavior; to study sampling distributions to provide the logical structure for confidence intervals and hypothesis tests; to develop effective statistical communication skills through frequent written and oral analyses of real data.

Content and Methods: *Materials:* TI-84 graphing calculator, *Introduction to Statistics & Data Analysis* (Peck, Olsen, and Devore). *Method:* Classroom discussion, reading assignments, notes, group work, daily homework.

Evaluation and Grading: Daily assignments, quizzes, projects, tests, and quarterly exams.

2503

STATISTICS

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Algebra I

Goals and Objectives: To develop strategies for collecting, organizing, analyzing, and drawing conclusions from data; to design, administer, and tabulate results from surveys and experiments; to study sampling distributions to provide the logical structure for confidence intervals and hypothesis tests; to develop effective statistical communication skills through frequent written and oral analyses of real data.

Content and Methods: *Materials:* TI-84 graphing calculator, *Introduction to Statistics & Data Analysis* (Peck, Olsen, and Devore). *Method:* Classroom discussion, reading assignments, notes, group work, daily homework. Microsoft Excel is used extensively in the course.

Evaluation and Grading: Daily assignments, quizzes, projects, tests, and quarterly exams.

2430*

HONORS CALCULUS

Grade 12 / 2 Semesters / 1 Credit

Prerequisites: Algebra II, Geometry, Trigonometry, and Teacher Approval

Goals and Objectives: To be introduced to the main concepts of calculus including limits, derivatives and integrals with emphasis on application and theory. To provide a solid foundation for students to study college calculus. Note: This course is not designed to prepare students for the Advanced Placement test and

MATHEMATICS COURSE DESCRIPTIONS

students will not complete the AP curriculum.

Content and Methods: *Materials:* TI-84 graphing calculator. *Method:* class discussion, notes, homework - approximately 30 minutes per night.

Evaluation and Grading: Quizzes, tests, homework, and quarter exams.

2440

INTRODUCTION TO CALCULUS

Grade 12 / 2 Semesters / 1 Credit

Prerequisites: Algebra I, Algebra II, Geometry, and Trigonometry

Goals and Objectives: To review and further develop topics which include basic algebraic operations, functions, graphing, systems of linear equations, logarithms and exponentials; to provide an introduction to the main topics in differential and integral calculus with an emphasis on applications rather than an in-depth study of theory.

Content and Methods: *Materials:* TI-84 graphing calculator. *Method:* classroom discussion and notes, group work, board work, and homework - approximately 30 minutes per night.

Evaluation and Grading: Quizzes, tests, and quarter exams.

2450*

INTRODUCTION TO CALCULUS

Grade 12 / 1 Semester / .50 Credit

2730*

AP STATISTICS

Grades 12 / 2 Semesters / 1 Credit

Prerequisites: Algebra I, Algebra II (high level or above), AND teacher approval

Goals and Objectives: To prepare for the Advanced Placement Statistics Exam; to develop strategies for collecting, organizing, analyzing, and drawing conclusions from data; to design, administer, and tabulate results from surveys and experiments; to use probability and simulations to aid in constructing models for chance behavior; to study sampling distributions to provide the logical structure for confidence intervals and hypothesis tests; to develop effective statistical communication skills through frequent written and oral analyses of real data.

Content and Methods: *Materials:* TI-84 graphing calculator, *Introduction to Statistics & Data Analysis* (Peck, Olsen, and Devore). *Method:* Classroom discussion, reading assignments, notes, group work, daily homework.

Evaluation and Grading: Daily assignments, quizzes, tests, and quarterly exams.

2731*

AP STATISTICS

Grade 12 / 1 Semester / .50 Credit

Prerequisites: Algebra I, Algebra II (high level or above), Honors Prob/Stat or Honors Prob/Stat/Geometry AND teacher approval

Goals and Objectives: This is the second semester of AP Statistics. It is only for students who have taken the

first half already and received an 87% or above in either Honors Prob/Stats or Honors Prob/Stat/Geometry. To prepare for the Advanced Placement Statistics Exam; to develop strategies for collecting, organizing, analyzing, and drawing conclusions from data; to design, administer, and tabulate results from surveys and experiments; to use probability and simulations to aid in constructing models for chance behavior; to study sampling distributions to provide the logical structure for confidence intervals and hypothesis tests; to develop effective statistical communication skills through frequent written and oral analyses of real data.

Content and Methods: *Materials:* TI-84 graphing calculator, *Introduction to Statistics & Data Analysis* (Peck, Olsen, and Devore). *Method:* Classroom discussion, reading assignments, notes, group work, daily homework.

Evaluation and Grading: Daily assignments, quizzes, tests, and quarterly exams.

2710*

AP CALCULUS BC

Grade 12 / 2 Semesters / 1 Credit

Prerequisites: Precalculus BC AND teacher approval.

Goals and Objectives: To provide a complete preparation for the BC Calculus AP Exam; to help the student gain an appreciation for the rich history and the creative genius behind calculus, to thoroughly develop; to provide a solid theoretical background for students who wish to study advanced work in mathematics or who wish to major in science, engineering, computer science, or

MATHEMATICS COURSE DESCRIPTIONS

mathematics. Significant topics: evaluation of limits, derivatives and their applications to related rates, optimization, and the social and physical sciences, integrals and their applications to areas and volumes, calculus of polar and parametric curves, advanced techniques of integration, elementary study of differential equations including slopefields, Euler's method and separable differentiable equations, the tests for convergence of series and sequences and the study of Taylor Series. This course is equivalent to the first two semesters of college Calculus.

Content and Methods: *Materials:* TI-84 graphing calculator. *Method:* Classroom discussion, notes, group work, and daily homework.

Evaluation and Grading: Tests, daily assignments, and quarter exams.

2720*

AP CALCULUS AB

Grade 12 / 2 Semesters / 1 Credit

Prerequisites: 2320 Precalculus AB AND Teacher Approval

Goals and Objectives: To prepare for the Advanced Placement AB Calculus Exam; to become competent in the basic mechanics of calculus – limits, derivatives, and integrals; to understand the concepts and theory of these basic mechanics; to become competent in the basic applications of calculus – optimizations, related rates, areas, volumes, and methods of integration; to provide a solid background for students who wish to study advanced work in mathematics, science, engineering, or computer science.

Content and Methods: *Materials:* TI-84 graphing calculator. *Method:* class discussion and notes, board work, group work, and homework.

Evaluation and Grading: Quizzes, tests, homework, and quarter exams.

2711*

LINEAR ALGEBRA

Grade 12 / 1st Semester / .50 Credit

Corequisite: AP Calculus BC or AP Calculus AB AND teacher approval.

Goals and Objectives: To provide an introduction to the algebra and geometry of two and three dimensional space using vectors, matrices, determinants, linear transformations, and eigenvectors; to serve as a transition from computational to more theoretical mathematics; to help develop “mathematical maturity” by emphasizing proof in an abstract mathematical setting and to learn how to perform matrix operations. Topics include: matrix operations, determinants, rigorous study of vectors, vector spaces, spanning sets, linear independence, basis, inner product spaces, linear transformations, eigenvalues, eigenspaces, and diagonalization. (Recommended for advanced students who plan to major in mathematics, engineering, the physical sciences, or computer science)

Content and Methods: *Materials:* TI-84 graphing calculator, *Elementary Linear Algebra* (Anton). *Method:* class discussion, notes, group work, and daily homework.

Evaluation and Grading: Tests, daily homework, and quarter exams.

2712*

MULTIVARIABLE CALCULUS

Grade 12 / 2nd Semester / .50 Credit

Prerequisites: Teacher approval and Linear Algebra

Co-requisite: AP Calculus BC

Goals and Objectives: To continue the techniques of BC Calculus and Linear Algebra and to apply those techniques to the calculus of three-dimensional space; to cover material that is part of the third semester of a college calculus sequence. Some major topics include: calculus of vector-valued functions, limits and partial and directional derivatives of functions of two and three variables, using Lagrange's Multipliers to find extreme values, evaluating double and triple integrals using rectangular, cylindrical, and spherical coordinates, graphing and finding the divergence and the curl of vector fields, evaluating line integrals, and the proof and application of Green's Theorem, Stoke's Theorem, and the Divergence Theorems.

Content and Methods: *Materials:* TI-84 graphing calculator, *Multivariable Calculus* (James Stewart 6th edition). *Method:* lab work with the mathematical software *Mathematica*, class discussion and notes, daily homework.

Evaluation and Grading: Tests, daily homework, and quarter exams.

2501

ACCOUNTING

MATHEMATICS COURSE DESCRIPTIONS

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To give an introduction to the principles and methods of accounting; to emphasize an understanding of the underlying basic procedures to set up and operate a small business accounting system, to learn the skills necessary for the handling of the financial records of a small business; to introduce the student to automated data processing and its applications to accounting; to learn the necessary skills for the preparation of a federal tax return for a small business.

Content and Methods: *Materials:* Century 21 Accounting, TI-84 graphing calculator, online workbook, and online business simulation packet. *Method:* Lecture, discussion, notes, group work, and homework. One or two class periods a week will be used as laboratory periods where students will work on assignments from the workbook, business simulation packet, and have the opportunity to consult with the teacher.

Evaluation and Grading: Chapter tests, homework assignments, business simulation packet, and quarter exams.

2502

FINANCE

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: To provide the students with a practical understanding of the time value of money as it applies to interest rates, annuities, stocks, bonds, and insurance. The student will be able to solve all types of interest rate problems including simple interest, compound interest and continuous

interest and be able to solve for every variable (rate, time, payment, present value, future value). The student will also be able to solve for every variable in an annuity and understand how to obtain and use financial ratios.

Content and Methods: *Materials:* Schaum's: Mathematics of Finance and the TI-84 graphing calculator. *Method:* Lecture, class discussion, board work, daily homework, one group project, and one individual project.

Evaluation and Grading: Quizzes, tests, projects, and quarter exams.

COMPUTER SCIENCE COURSE DESCRIPTIONS

COMPUTER SCIENCE

3101 INFORMATION PROCESSING

Grade 9 / 1 Semester / .25 Credit

Description: Information Processing earns .25 credit. Freshmen are also automatically enrolled into Oral Communications for the other .25 credit; both of these classes together earn .50 credit in one semester.

Goals and Objectives: Students will learn what it means to be a Citizen in a Digital Society. Information Processing will go beyond Acceptable Use Policies, where the students will learn how to use technology more appropriately in the educational realm, as well as, outside the classroom. The key is that they learn to use technology safely, responsibly and ethically. Students will develop awareness and knowledge of what is appropriate and inappropriate uses of technology. Students will learn and, as a result, teach what it means to be a Good Digital Citizen.

Content and Methods: Classes meet alternately with *Oral Communication* and are primarily done in lab sessions. Emphasis is placed on a combination of skills and resourcefulness. Experimentation and development of creative ideas is encouraged.

Evaluation and Grading: Lab assignments, presentations, quizzes, and group debates.

3201 MULTI-MEDIA AND FILM

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Information Processing

Goals and Objectives: Visual literacy is growing in importance as

technology is incorporated into our daily lives. This course offers students the opportunity to learn the skills needed to express ideas in various multi-media formats. This project-based class allows for student creativity while meeting the course objective. Projects will include: Sound editing; graphic design; 360-degree pictures; creating animations and filming & editing video. Students will create their own movies.

Content and Methods: This course is for students interested in hands-on use of the computer as a tool for expressing ideas and/or creating messages. Students will be introduced to the concept and use of Adobe Creative Suites - Flash/Animate, Premiere (video editing), Illustrator & Photoshop as well as Audacity (audio editing) software.

Evaluation and Grading: Lab assignments, presentations, group projects, and portfolio.

3202 3D MODELING

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Information Processing

Goals and Objectives: The student will be introduced to the fundamentals of using computers to create three dimensional models. He will develop an appreciation for applying the principles of engineering drafting into digital designs and models.

Content and Methods: Students will learn to communicate graphical and design concepts with emphasis on visualization, modeling techniques, and tools. Students will encounter and

implement underlying computer graphical techniques, primarily using SketchUp software and other packages. Concepts will be discovered and developed primarily through lab work, as well as lectures and online resources. Some models will be brought into the physical world with 3D printing.

Evaluation and Grading: Exercises and projects.

3203 WEB DESIGN

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Information Processing

Goals and Objectives: The student will develop an awareness and knowledge of good web design, including correct use of fonts, color, layout, and writing style. He will develop multi-page web sites with a variety of special features. He will learn the importance of aesthetic design principles, their application, and their relationship to web design technology, as well as develop an understanding of the legal and ethical implications of publishing online.

Content and Methods: This course is for students who have an interest in web development. It is a hands-on course that introduces the concepts of good web page development and allows the student to apply these skills as they develop individual and group projects. Skills that they will learn include: HTML; image manipulation; animation; CSS, JavaScript, design principles, web analytics, and legal and ethical implications.

COMPUTER SCIENCE COURSE DESCRIPTIONS

Evaluation and Grading: Exercises and projects.

3204

GAME DESIGN

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Information Processing

Goals and Objectives: This course is designed to allow students to express their desire to create video games. Students choose from a variety of projects, which will allow them to create 2D games, 3D games, or Virtual Reality games depending on their interest. This is a project-based class. There are no written tests. Programming is not required for 2D games but is needed for 3D and VR games. Software used includes GameMaker, Unity, Steam, and other applications. Students will also have an option to learn how to program a robot.

Content and Methods: Students will be introduced to design elements as it relates to the aspects of game development. Concepts include story line, scoring and rewards for progression, use of sound effects, creativity (power ups, etc.) and game flow (how the game increases in difficulty).

Evaluation and Grading: Assessment comes from the projects and games students create. There are no written tests.

3205

MOBILE DEVICE APPLICATION DEVELOPMENT

Grades 10, 11, 12 / 1 Semester / .50 Credit

Note: Not to be taken if a student takes AP Computer Science Principles

Prerequisites: Information Processing

Goals and Objectives: The student will develop an awareness and knowledge of mobile device application design. Students will develop web-based applications using open source, standards-based web technologies. Students will learn programming concepts while developing Android applications with a variety of special features, including functional logic, multi-media, animation, data interfaces, and data storage.

Content and Methods: This course is for students who have an interest in mobile device application development. It is a hands-on course that introduces the concepts of development and allows the students to apply these skills as they create their individual and group projects. Skills that they will be introduced to include: HTML5; image manipulation; animation; authoring environment/app market place; design principles; and legal and ethical implications. Students will use MIT's App Inventor and learn the basics of programming.

Evaluation and Grading: Summative assessments (performance tasks or quizzes) and performance assessments (exercises and projects).

3221

INTRODUCTION TO JAVA PROGRAMMING

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Information Processing

Goals and Objectives: The student will be introduced to computer programming and problem-solving methods using the Java programming language. He will be introduced to computer architecture, data representation, and programming process and structure.

Content and Methods: Introduction to Java syntax, program development, and problem-solving techniques. This is an excellent first course for the student interested in learning more about computer languages and how computers function. Problem-solving and documentation skills are emphasized in classroom lectures and programming projects. Lab exercises, research, and homework cover practical and theoretical applications.

Evaluation and Grading: Programming assignments, homework, quizzes, and quarter exams.

3321

AP COMPUTER SCIENCE A

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Introduction to Java Programming with a grade of 85 or better AND permission from instructor.

Goals and Objectives: The course provides preparation for the Advanced Placement Computer Science A Examination. In particular, the course introduces college level programming concepts such as object-oriented programming, development and evaluation of sorting algorithms, and the standard Java API.

COMPUTER SCIENCE COURSE DESCRIPTIONS

Content and Methods: For students interested in further study of computer science, this rigorous and in-depth one-semester course covers program design, implementation and analysis. Students will write programs that utilize the object-oriented principles of design: inheritance, polymorphism, data abstraction, information hiding, and encapsulation. In addition, students work with programming structures such as Strings and Array Lists built into the Java API. The course features class lectures, lab work, selected readings, case studies, and homework.

Evaluation and Grading: Programming assignments, homework, quizzes, paper, and quarter exams.

3322

COMPUTER SCIENCE AB

Grade 11, 12 / 1 Semester / .50 Credit

Prerequisites: AP Computer Science A AND permission of instructor.

Goals and Objectives: The course focuses on design, implementation, and analysis of various data structures using Java.

Content and Methods: Beginning where AP Computer Science A leaves off, this One Semester class builds on program design, implementation, and algorithm analysis techniques presented in the AP Computer Science A course. In addition, this class focuses on data structures and analysis such as stacks, queues, sets, maps, lists, and hash tables. Concepts introduced through class lectures, lab work, selected readings, case studies, and homework.

Evaluation and Grading: Programming assignments, homework, quizzes, group project, and quarter exams.

3311

AP COMPUTER SCIENCE PRINCIPLES

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Department Approval

Goals and Objectives: This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world, with a unique focus on creative problem solving and real-world applications.

Content and Methods: Students will cover the principles of abstraction, data/information, collaboration, creativity algorithms, and programming. Students will create mobile apps to demonstrate the concepts and theories of the course. This is an ideal course for a sophomore interested in computer technology, as it provides broad foundational knowledge that can be applied in future CS electives.

Evaluation and Grading: Programming assignments, homework, quizzes, group project, and a capstone project. AP assessment includes a test and programming performance task.

3301

TECHNOLOGY SERVICE EXPERIENCE

Grade 11, 12 / 1 Semester / .50 Credit

Prerequisites: Information Processing and at least one additional Computer Science elective, in addition to departmental approval

Goals and Objectives: This course provides an opportunity for students to grow and develop technology skills, implementing solutions with a non-profit organization. This course is an opportunity to live the “man for others” motto of St. Xavier High School, as he brings his skills, knowledge, and talent to a client organization that has real needs. In meeting this need with his solution team, a student will better understand the mission and core work of a client organization.

Content and Methods: Student teams will design, develop, and deliver technology solutions based on the needs of non-profit client organizations. Students will gain practical experience and skills that lead to successful projects – project management, needs assessment, solution design, technical development, training, and solution handover. Students will also improve interpersonal and collaboration skills while gaining a unique understanding of the mission of their client organization.

Evaluation and Grading: Milestone project deliverables, homework, quizzes, project success criteria, peer reviews, and client evaluation.

3501

ADVANCE GAME OR MULTI-MEDIA

Grade 11, 12 / 1 Semester / .50 Credit

Prerequisites: Information Processing and at least one additional Computer

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Science elective, in addition to departmental approval.

Goals and Objectives: This course is designed as an independent study, project-based, semester elective that allows students to further develop their interest in the area of technology they are called to pursue. Students would present ideas for projects to develop throughout the semester and collaborate with the instructor on extent and expectations. Length and scope would vary.

Content and Methods: Project will be customized based on the student interest and teacher input. Students will build upon the skills they have learned and engage in the creation of robust projects that connect to the world outside of the classroom. Students should be self-motivated and have the ability to problem solve.

Evaluation and Grading: Grades will be based on a variety of project-based assessments.

3401

BROADCAST JOURNALISM I

Grade 11, 12 / 1 Semester / .50 Credit

Prerequisites: Information Processing.

Goals and Objectives: This course will focus on the fundamentals and purpose, context, voice, techniques, and structure for effective broadcast communication. The class will take students on an exploration of the ever-growing and ever-changing world of media. Students will be actively engaged with various forms of media in order to understand the processes and theories associated with media.

Content and Methods: This course introduces the student to the media industry, including but not limited to: Broadcast Journalism, Public Relations, News Reporting and Writing, and Television Production.

Evaluation and Grading: Grades will be based on a variety of project-based assessments. Students are required to complete additional activities outside of the traditional school day (most will be associated with school related activities) as assigned by the Course Instructor.

3402

BROADCAST JOURNALISM II

Grade 11, 12 / 1 Semester / .50 Credit

All interested students MUST meet with the Director of Communications and Marketing prior to registration to determine their spot in the course.

Prerequisites: Broadcast Journalism I AND permission of the instructor.

Goals and Objectives: This course will build upon the fundamentals of Broadcast Journalism I with a deeper focus on production in broadcast communication. The class will take students on an exploration of the ever-growing and ever-changing world of media. Students will be actively engaged with various forms of media in order to understand the processes and theories associated with media.

Content and Methods: This course expands the student knowledge in the media industry, including but not limited to: Broadcast Journalism, Public Relations, News Reporting and Writing, and Television Production.

Evaluation and Grading: Grades will be based on a variety of project-based assessments. Students are required to complete additional activities outside of the traditional school day (most will be associated with school related activities) as assigned by the Course Instructor.

WORLD LANGUAGE COURSE DESCRIPTIONS

WORLD LANGUAGE

CHINESE

4140

CHINESE 1

Grade 9, 12 / 2 Semesters / 1 Credit

Goals and Objectives: To develop skills in the fundamentals of the Chinese Language; to develop an understanding of the basic grammar and syntax of the Chinese Language. To develop listening, speaking, reading and writing skills in Chinese; to promote the use of Chinese in free communication; to promote creativity with the language; to introduce the students to written and oral expression; to promote cultural appreciation and enjoyment of Chinese; to use Chinese beyond the school setting.

Content and Methods: *Materials:* textbook, workbook, laboratory manual, satellite TV and radio broadcasts, other audio and video selections, selected readings, dictations, internet resources. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, between student peers; written and oral exercises and presentations.

Evaluation and Grading: Written and oral quizzes, tests, quarter exams, homework.

4240

CHINESE 2

Grade 10 / 2 Semesters / 1 Credit

Prerequisites: Chinese 1 or passing a qualifying test.

Goals and Objectives: To continue and reinforce the skills learned in Chinese 1; to introduce complex sentences; to give considerable attention to pronunciation, fluency, and intonation; to emphasize the written aspects of the language; to build vocabulary and develop good reading habits; to encourage the students to speak Chinese among themselves and with other speakers of Chinese; to use Chinese beyond the school setting.

Content and Methods: *Materials:* textbook, workbook, laboratory manual, satellite TV and radio broadcasts, other audio and video selections, selected readings, dictations, internet resources. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, between student peers; written and oral exercises and presentations.

Evaluation and Grading: Written and oral quizzes, tests, quarter exams, homework.

4340

CHINESE 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: Chinese 2

Goals and Objectives: To continue and reinforce the skills learned in Chinese 2; to introduce complex sentences; to give considerable attention to pronunciation, fluency, and intonation; to emphasize the written aspects of the language; to build vocabulary and develop good

reading habits; to encourage the students to speak Chinese among themselves and with other speakers of Chinese; to use Chinese beyond the school setting.

Content and Methods: *Materials:* textbook, workbook, laboratory manual, satellite TV and radio broadcasts, other audio and video selections, selected readings, dictations, internet resources. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, between student peers; written and oral exercises and presentations.

Evaluation and Grading: Written and oral quizzes, tests, quarter exams, homework.

4440*

AP CHINESE

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: An average of 90% or above in Chinese 3.

Goals and Objectives: To develop the ability to understand spoken Chinese in various contexts; to develop a Chinese vocabulary sufficient for reading newspaper and magazine articles, literary texts, and other non-technical writings without heavy dependence on a dictionary; and to develop the ability to express oneself in Chinese, both orally and in writing, coherently, resourcefully, and with reasonable fluency and accuracy. There will be strong emphasis on preparing for the AP exam.

Content and Methods: *Materials:* Advanced level textbook;

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workbook, audio CD; videos; and selected works of Chinese literature. Guided conversations, group discussion and dictations; oral presentations; lectures in Chinese based on readings and Chinese linguistic expression; regular review of grammar and intensive practice in writing and listening comprehension.

Evaluation and Grading: Classroom performance and preparation; composition and other assignments; oral presentation; quizzes, tests, and exams. Students should expect and average of 30 minutes of homework per night.

*Students will be required to complete summer course work before beginning this class.

FRENCH

4100

FRENCH 1

Grade 9, 12 / 2 Semesters / 1 Credit

Goals and Objectives: To develop skills in the fundamentals of the French language; to develop an understanding of the basic grammar and syntax of the French language. To develop listening, speaking, reading and writing skills in French; to promote the use of French in free communication; to promote creativity with the language; to introduce the students to written and oral expression; to promote cultural appreciation and enjoyment of French; to use French beyond the school setting.

Content and Methods: *Materials:* textbook, online workbook, audio and video selections, selected readings, dictations, internet resources. *Methods:*

question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, between student peers; written and oral exercises and presentations.

Evaluation and Grading: Written and oral quizzes, tests, quarter exams, homework.

4200

FRENCH 2

Grade 10 / 2 Semesters / 1 Credit

Prerequisites: French 1 or passing a qualifying test.

Goals and Objectives: To continue and reinforce the skills learned in French I; to introduce complex sentences; to give considerable attention to pronunciation, fluency, and intonation; to emphasize the written aspects of the language; to build vocabulary and develop good reading habits; to encourage the students to speak French among themselves and with other speakers of French; to use French beyond the school setting.

Content and Methods: *Materials:* textbook, online workbook, audio and video selections, selected readings, dictations, internet resources. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, between student peers; written and oral exercises and presentations.

Evaluation and Grading: Written and oral quizzes, tests, quarter exams, homework.

4300

FRENCH 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: French 2

Goals and Objectives: To continue the reinforcement of the four skills: reading, writing, listening, and speaking; to strengthen reading skills using selections from French literature and contemporary reading materials; to continue to develop writing skills and oral fluency for communication and personal expression; to promote a better knowledge of the culture of France and the Francophone world; to use French beyond the school setting.

Content and Methods: *Materials:* textbook, online workbook, audio and video selections, selected readings, dictations, internet resources. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, between student peers; written and oral exercises and presentations.

Evaluation and Grading: Written and oral quizzes, tests, quarter exams, homework.

4305* HONORS FRENCH 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: An average of 90 or above in French 2 and successful completion of a required entrance assessment.

Goals and Objectives: To highly develop conversational French skills, writing skills, and expand Francophone cultural knowledge. Students will explore Francophone countries and culture through readings,

WORLD LANGUAGE COURSE DESCRIPTIONS

documentaries, music, films, and cuisine, developing an expanded vocabulary through regular reading, writing, and conversation-oriented assignments. This class is an introduction to the French Language AP course, and students will have many opportunities to practice a variety of modified tasks that are on the French Language AP Exam.

Content and Methods: Materials include textbook, online workbook, selected literary works, news articles, and internet resources. The class will be conducted in French and will include guided conversations and dictations, oral presentations, lectures, including regular reviews of grammar as needed, with intensive practice in listening and reading comprehension.

Evaluation and Grading:

Classroom practice, homework assignments, emails, telephone conversations, cultural comparisons, persuasive essays, quizzes, tests, and quarter exams. Students should expect an average of 30 minutes of homework per night.

*Student will be required to complete summer course work before beginning this class.

4400

FRENCH COMPOSITION

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: French 3 or AP French

Goals and Objectives: To develop insight and appreciation of French film, literature, history, art, social and current events, politics, and geography. To provide students with opportunities to further enhance their proficiencies, cultural perspective, and

lingual fluency via an in-depth study of the four primary skills: reading, writing, speaking, and listening. This course may precede the AP course with an emphasis on applicable AP content. Lectures and discussions are held primarily in French.

Content and Methods: *Materials:* Selected works of French literature, culture, and assorted authentic resources *Methods:* guided conversation, group discussions, listening activities, oral presentations by the students, lectures in French on readings and culture, appropriate internet materials, and practice in writing varied compositions.

Evaluation and Grading: Classroom performance and preparation; compositions and other assignments; readings; oral presentations; quizzes and exams.

4405*

AP FRENCH LANGUAGE

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: An average of 88 or above in Honors French 3 or French Composition OR an average of 90 or above in French 3.

Goals and Objectives: To provide students with authentic resources and opportunities to build their language in a variety of contexts. To adequately prepare students for the varied tasks required on the AP Exam, involving: interpersonal, interpretive and presentational communication, with continuous emphasis on speaking, reading, writing, and listening. To explore and build cultural comprehension of the six primary themes: Global Challenges, Science and Technology, Contemporary Life,

Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. To express oneself fluidly in the target language in extensive and intensive spoken and written capacities and to make cultural comparisons to Francophone cultures via a variety of exposure and exploration. Lectures and discussions are held exclusively in French.

Content and Methods: *Materials:* Advanced level textbook; dictionary; selected works of French literature, and authentic resources. *Method:* The class will be conducted in French and will include guided conversations; group discussions; oral presentations; lectures; review of grammar as needed, with intensive practice in writing and listening and reading comprehension.

Evaluation and Grading: Classroom practice, homework assignments, emails, telephone conversations, cultural comparisons, persuasive essays, quizzes, and exams. Students should expect an average of 30 minutes of homework per night

*Students will be required to complete summer course work before beginning this class.

GERMAN

4110

GERMAN 1

Grade 9, 12 / 2 Semesters / 1 Credit

Goals and Objectives: To develop skills in the fundamentals of the German language; to develop an understanding of the basic grammar and syntax of the German language; to acquire a workable foundation of vocabulary; to develop listening,

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speaking, reading, and writing skills in German; to promote the use of German in free communication both within the school setting and beyond the classroom; to promote creativity with the language; to introduce the students to written and oral expression; to introduce the geography of German-speaking countries; to promote and emphasize German culture and enjoyment of German.

Content and Methods: *Materials:* electronic textbook, online dictionary (English – German; German – English), audio and video selections, selected readings, dictations, internet resources. Other books that the teacher requests. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, and among students.

Evaluation and Grading: Written, audio and oral quizzes, tests, quarter exams, skits, homework, projects, online activities, and individual/group presentations.

4210

GERMAN 2

Grade 10 / 2 Semesters / 1 Credit

Prerequisites: German 1 or passing a qualifying test.

Goals and Objectives: To continue to reinforce the skills learned in German 1; to introduce complex sentence structures and a wider range of verb tenses; to give considerable attention to pronunciation, fluency and intonation; to emphasize the written and spoken aspects of the language; to continue to build vocabulary and develop good reading and listening

habits; to promote the use of German in free communication both within the school setting and beyond the classroom; to promote creativity with the language; to review and advance the study of the geography of German-speaking countries; to promote and emphasize German culture and enjoyment of German.

Content and Methods: *Materials:* electronic textbook, online dictionary (English – German; German – English), audio and video selections, selected readings, dictations, internet resources, and other books that teacher requests. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, and among students.

Evaluation and Grading: Written, audio and oral quizzes, tests, quarter exams, skits, homework, projects, online activities, and individual/group presentations.

4310

GERMAN 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: German 2

Goals and Objectives: To continue the reinforcement, strengthening, and enhancement of the four major skill areas: reading, writing, listening, and speaking by using selections from contemporary authentic German literary sources; using writing skills and oral fluency for communication and personal expression; to promote an enhanced knowledge of the culture of Germany and German-speaking countries; To reinforce and enhance the knowledge of geography of German-speaking countries; to

promote and emphasize the use of language outside of the classroom setting including with native speakers.

Content and Methods: *Materials:* electronic textbook, online dictionary (English – German; German – English), audio and video selections, selected readings, dictations, internet resources, and other books that the teacher requests. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, and among students.

Evaluation and Grading: Written, audio and oral quizzes, tests, quarter exams, skits, homework, projects, online activities, individual/group presentations, and one-on-one teacher - student interviews.

4315*

HONORS GERMAN 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: An average of 90 or above in German 2 and successful completion of a required entrance assessment.

Goals and Objectives: To highly develop conversational German skills, writing skills, and expand German cultural knowledge. Students will explore German-speaking countries and culture through readings, documentaries, music, films, and cuisine, developing an expanded vocabulary through regular reading, writing, and conversation-oriented assignments. This class is an introduction to the German Language AP course, and students will have many opportunities to practice a

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variety of modified tasks that are on the German Language AP Exam.

Content and Methods: Materials include textbook (print copy & online), workbook, selected literary works, news articles, and internet resources. The class will be conducted in German and will include guided conversations and dictations; oral presentations; lectures, including regular review of grammar as needed, with intensive practice in listening and reading comprehension.

Evaluation and Grading:

Classroom practice, homework assignments, emails, telephone conversations, cultural comparisons, persuasive essays, quizzes, tests, and quarter exams. Students should expect an average of 30 minutes of homework per night.

*Students will be required to complete summer course work before beginning this class.

4410*

AP GERMAN LANGUAGE

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: An average of 88 or above in Honors German 3, or an average of 90 or above in German 3, and successful completion of a required entrance assessment.

Goals and Objectives: To provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills. To develop the ability to understand spoken German in various contexts; to develop German vocabulary for reading newspaper and magazine articles, literary texts, and other non-technical writings

without dependence on a dictionary; and to develop the ability to express oneself in German, both orally and in written form, coherently, resourcefully, and with reasonable fluency and accuracy. There will be strong emphasis on culture, the six global themes, and preparing for the AP exam.

Content and Methods: Materials include textbook (print copy & online), workbook, selected literary works, news articles, and internet resources. The class will be conducted in German and will include guided conversations, oral presentations; lectures, including regular review of grammar as needed, with intensive practice in listening and reading comprehension.

Evaluation and Grading: Classroom practice, homework assignments, emails, conversations, cultural comparisons, persuasive essays, quizzes, tests, and quarter exams. Students should expect an average of 30 minutes of homework per night.

*Students will be required to complete summer course work before beginning this class.

LATIN

4120

LATIN 1

Grade 9, 12 / 2 Semesters / 1 Credit

Goals and Objectives: To learn the fundamentals of the Latin language through translation of sentences from Latin to English and vice versa; to read and comprehend simple Latin stories that describe Roman civilization, history and mythology; to participate in simple conversation,

questions, and answers in Latin; to master the five declensions and the four conjugations necessary for reading and understanding the language; to develop a Latin vocabulary from which many English words are derived.

Content and Methods: *Materials:* 1st year textbook. Emphasis will be on oral drills, written exercises, translation of stories, grammar explanations, conversation, and bringing students quickly to the point where they can read Latin with confidence and become familiar with life in the early Roman Empire.

Evaluation and Grading: Quizzes on forms, grammar and/or vocabulary; tests, homework.

4220

LATIN 2

Grade 10 / 2 Semesters / 1 Credit

Prerequisites: Latin 1 or passing a qualifying test.

Goals and Objectives: To review first-year Latin concepts and to continue developing skills of reading and writing the language, constructing original thoughts of their own in Latin, and translating from Latin to English as well as from English to Latin; to introduce additional grammatical topics necessary for reading original Latin authors.

Content and Methods: *Materials:* 2nd year textbook. Emphasis is on oral drills, written exercises, building vocabulary, and beginning to sample authentic original Latin authors.

Evaluation and Grading: Unit tests on translation, morphology, and

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syntax; quizzes on vocabulary and forms; tests on the recognition of Latin forms.

4320

LATIN 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: Latin 2

Goals and Objectives: To use *Ecce Romani* volume III as a launching pad into authentic Latin — specifically the poetry of Catullus and Ovid (happy, sad, wicked, and wonderful), the prose of Caesar and Cicero (brilliant and devastating) and, best of all, generous selections from Book II of Virgil's *Aeneid* (the tale of the fall of Troy). We will also read generous selections from Homer's *Iliad* and *Odyssey* in English translation.

Content and Methods: Emphasis is on the art of translation, rhetoric, explication of the text, and the usage of Latin idioms and figures of speech.

Evaluation and Grading: Tests and quizzes on vocabulary, recognition of Latin forms, usage of Latin idioms and figures of speech, and comprehension of the authors read.

4325*

HONORS LATIN 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: An average of 85 or above in Latin 2 and approval of Latin 2 teacher.

Goals and Objectives: To use *Ecce Romani* volume III as a launching pad into authentic Latin — specifically the poetry of Catullus and Ovid (happy, sad, wicked, and wonderful), the prose of Caesar and Cicero (brilliant

and devastating) and, best of all, generous selections from Book II of Virgil's *Aeneid* (the tale of the fall of Troy). We will also read generous selections from Homer's *Iliad* and *Odyssey* in English translation. Honors Latin 3 covers the same authors as regular Latin 3, but at a faster pace that will take in even more text.

Content and Methods: Emphasis is on the art of translation, rhetoric, explication of the text, and the usage of Latin idioms and figures of speech.

Evaluation and Grading: Tests and quizzes on vocabulary, recognition of Latin forms, usage of Latin idioms and figures of speech, and comprehension of the authors read. Students should expect an average of 20 minutes of homework per night.

*Students will be required to complete summer course work before beginning this class.

4420*

LATIN LITERATURE

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Latin 3 and Latin 3 teacher's approval.

Goals and Objectives: To continue exploration of authentic ancient Roman literature through a semester apiece of prose (Caesar, Cicero, Livy, or Sallust) and a semester of poetry (Plautus, Horace, or Ovid). Students will continue to develop their command of Latin grammar and appreciation of ancient culture.

Content and Methods: Various levels of translation; analysis of grammar, style, rhythm, and structure;

occasional presentation, collaboration, and creative expression.

Evaluation and Grading: Regular translation, quizzes, and tests; in-class writings about the authors' achievements; presentations and class leadership/participation. Students should expect an average of 30 minutes of homework per night.

*Students will be required to complete summer course work before beginning this class.

4425*

AP LATIN LANGUAGE

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Latin 3 and current AP Latin teacher's approval.

Goals and Objectives: To explore two contrasting masterpieces of ancient literature: Caesar's *De bello Gallico* and Virgil's *Aeneid*. We'll sample 4 books of Caesar (some in Latin, some in English) and consider Virgil's epic in its entirety -- ca. 800 lines in Latin, plus the rest in English translation. We'll contemplate its place in the genre of epic poetry (particularly as compared to Homer's *Iliad* and *Odyssey*) as well as its considerable significance culturally and politically.

Content and Methods: Various levels of translation; analysis of grammar, style, rhythm, and structure; occasional presentation, collaboration, and creative expression.

Evaluation and Grading: Regular translation, quizzes, and tests; in-class writings about Caesar and Virgil's work; presentations and class leadership/participation. Students

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should expect an average of 20 minutes of homework per night.

*Students will be required to complete summer course work before beginning this class.

SPANISH

4130

SPANISH 1

Grade 9, 12 / 2 Semesters / 1 Credit

Goals and Objectives: To develop skills in the fundamentals of the Spanish language; to develop an understanding of the basic grammar and syntax of the Spanish language; to acquire a workable foundation of vocabulary; to develop listening, speaking, reading, and writing skills in Spanish; to promote the use of Spanish in free communication both within the school setting and beyond the classroom; to promote creativity with the language; to introduce the students to written and oral expression; to introduce the geography of Spanish-speaking countries; to promote and emphasize Hispanic culture and enjoyment of Spanish.

Content and Methods: *Materials:* textbook (print copy and online), online workbook, audio and video selections, selected readings, dictations, internet resources. Other books that the teacher requests. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, and among students.

Evaluation and Grading: Written, audio and oral quizzes, tests, quarter exams, skits, homework, projects, online activities, and individual/group

presentations.

4230

SPANISH 2

Grade 10 / 2 Semesters / 1 Credit

Prerequisites: Spanish 1 or passing a qualifying test.

Goals and Objectives: To continue to reinforce the skills learned in Spanish 1; to introduce complex sentence structures and a wider range of verb tenses; to give considerable attention to pronunciation, fluency and intonation; to emphasize the written and spoken aspects of the language; to continue to build vocabulary and develop good reading and listening habits; to promote the use of Spanish in free communication both within the school setting and beyond the classroom; to promote creativity with the language; to review and advance the study of the geography of Spanish-speaking countries; to promote and emphasize Hispanic culture and enjoyment of Spanish.

Content and Methods: *Materials:* textbook (print copy and online), online workbook, audio and video selections, selected readings, dictations, internet resources. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, and among students.

Evaluation and Grading: Written, audio and oral quizzes, tests, quarter exams, skits, homework, projects, online activities, and individual/group presentations.

4330

SPANISH 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: Spanish 2

Goals and Objectives: To continue the reinforcement, strengthening, and enhancement of the four major skill areas: reading, writing, listening, and speaking; using writing skills and oral fluency for communication and personal expression; to promote an enhanced knowledge of the culture of Spain and Latin America; to reinforce and enhance the geography of Spanish-speaking countries; to promote and emphasize the use of language outside of the classroom setting, including with native speakers.

Content and Methods: *Materials:* online textbook/workbook, audio and video selections, selected readings, dictations, internet resources. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual students, and among students.

Evaluation and Grading: Written, audio and oral quizzes, tests, quarter exams, skits, homework, projects, online activities and individual/group presentations, and one-on-one teacher-student interviews.

4335*

HONORS SPANISH 3

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: An average of 90% or above in Spanish 2 and successful completion of a required entrance assessment.

Goals and Objectives: To highly develop conversational Spanish skills, writing skills and expand Hispanic cultural

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knowledge. Students will explore Hispanic countries and culture through readings, music, and news reports, developing an expanded vocabulary through regular reading, writing, and conversation-oriented assignments. This class is an introduction to the Spanish Language AP course, and students will have many opportunities to practice a variety of modified tasks that are on the Spanish Language AP Exam.

Content and Methods: *Materials:* online textbook/workbook, news articles, authentic videos, and internet resources. *Methods:* The class will be conducted in Spanish and will include guided conversations; lectures, including regular reviews of grammar as needed, with intensive practice in listening and reading comprehension.

Evaluation and Grading: Classroom practice, homework assignments, emails, telephone conversations, cultural comparisons, persuasive essays, quizzes, tests, and quarter exams. Students can expect an average of 30 minutes of homework per night.

*Students will be required to complete summer course work before beginning this class.

4430 SPANISH COMPOSITION AND CONVERSATION

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Spanish 3 or AP Spanish Language.

Goals and Objectives: To provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of

language skills. To develop insight and appreciation of Spanish film, literature, history, art, social and current events, politics, and geography. To continue to develop the ability to express oneself in Spanish, both orally and in writing, coherently, resourcefully, and with reasonable fluency and accuracy.

Content and Methods: All lectures and discussions are in Spanish. *Materials:* Textbook; selected works of Spanish literature and culture; notebook; dictionary. *Methods:* Guided conversations; group discussions; oral presentations by the students; lectures in Spanish on readings; films; internet resources; regular review of grammar and intensive practice in writing.

Evaluation and Grading: Classroom discussions; papers and other assignments; readings; presentations; tests, quizzes, and exams. Students should expect an average of 20-30 minutes of homework per night.

4535*

AP SPANISH LANGUAGE

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: An average of 88% or above in Honors Spanish 3 or Spanish Composition and Conversation or an average above 90% in Spanish 3, and successful completion of a required entrance assessment.

Goals and Objectives: To provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills. To develop the ability to understand spoken Spanish in various contexts; to develop a Spanish vocabulary sufficient for reading newspaper and magazine articles,

literary texts, and other non-technical writings without dependence on a dictionary; and to develop the ability to express oneself in Spanish, both orally and in written form, coherently, resourcefully, and with reasonable fluency and accuracy. There will be strong emphasis on culture, the six global themes, and preparing for the AP exam.

Content and Methods: *Materials:* textbook (print copy and online), selected literary works, and news articles; internet resources. *Methods:* Guided conversations and dictations; oral presentations; lectures in Spanish based on readings, and Spanish linguistic expression; regular review of grammar and intensive practice in writing and listening comprehension. The class will be conducted almost entirely in Spanish.

Evaluation and Grading: In-class assessments, essays, homework, and quarter exams. Students should expect an average of 30 minutes of homework per night.

*Students will be required to complete summer course work before beginning this class.

ELECTIVES

4800 GREEK 1

Grade 11, 12 / 2 Semesters / 1 Credit

Goals and Objectives: This course is aimed at a reading knowledge of ancient Greek to enable the student to read generous portions of Homer's *Odyssey* and some excerpts from Homer's *Iliad* in the original Greek. Students develop the ability to read

WORLD LANGUAGE COURSE DESCRIPTIONS

excerpts from various historians, philosophers, tragedians, comedians, and poets written in Greek. Students make a survey of the many English words which are derived from the Greek language. Students read some portions of the Bible in Greek.

Content and Methods: *A Reading Course in Homeric Greek* by Schoder and Horrigan is the text. The first 60 lessons concentrate on declensions, conjugations, vocabulary, and syntax necessary to be able to read the Greek. The second 60 lessons concentrate on the actual reading of the Greek and the explication of the text. Students read the text's presentation of the material and write the required exercises. Class time is spent going over these exercises and clarifying any points that remain vague after the student has thoroughly read the text.

Evaluation and Grading: Written and oral quizzes, tests, quarter exams, homework.

4850

GREEK 2

Grade 12 / 2 Semesters / 1 Credit

Prerequisites: Greek 1

Goals and Objectives: We'll advance our understanding of the workings of Greek grammar and diction, moving from the Homeric poetry we began to investigate in Greek 1 to the poetry of other authors as well as some prose. Having become fairly experienced with Homeric forms and vocabulary, we'll begin to learn about the various changes (some great, some small) evident in other ancient Greek dialects, in order to access the literature written in them.

Content and Method: We begin with additional Homeric readings (excerpts from the *Iliad*). In the subsequent quarters, we explore other great Greek authors such as Herodotus (the "father of history," who wrote wonderful tales in prose), Plato (author of the celebrated *Apology*, the greatest speech ever written) and Euripides (the legendary tragedian, whose savage and brilliant *Medea* we'll sample).

Evaluation and Grading: Students can expect frequent short quizzes (at least one or two per week) and regular tests (one every few weeks). Regular preparation for – and participation in – class are absolute requirements for success, as the grade will show.

4820

PORTUGUESE 1

Grade 11, 12 / 2 Semesters / 1 Credit

Goals and Objectives: To develop listening, speaking, reading, and writing skills in Portuguese; to develop an understanding of the basic grammar and syntax of the Portuguese Language; to promote the use of Portuguese in free communication; to promote creativity and fluency in the language; to introduce the students to written and oral expression; to promote cultural appreciation and enjoyment of Portuguese; to use Portuguese beyond the school setting. To have fun!

Content and Method: *Materials:* selected Brazilian texts, audio and video selections, music, movies, dictations, internet resources. *Methods:* question/answer sessions; drills; dialogues between teacher and class, between teacher and individual

students, between student peers; written and oral exercises, and presentations.

Evaluation and Grading: Written and oral quizzes, tests, quarter exams, homework.

4840

GREEK MYTHOLOGY

Grade 11, 12 / 1 Semester / .50 Credit

Seniors are given preference in registration.

Goals and Objectives: To gain a rich appreciation of the breadth and depth of Greek mythology as captured by several masterpieces of ancient literature (read, of course, in English translation). To explore multiple versions and variations of the same myth. To learn about what these works reveal about the (ancient Greek) culture that produced them.

Content and Method: We'll read our chosen texts (in modern English translations) in approximate chronological order, beginning around the 7th century B.C., with the foundational works of Hesiod and Homer, then moving into the 5th century B.C., for the complex world of Greek tragedy as represented by three giants, Aeschylus, Sophocles, and Euripides. The class will be conducted largely through discussion. Active participation will be as gratifying as it is crucial.

Evaluation and Grading: Regular reading quizzes; tests after each major work; quarter exams. Project (with presentation) focused on a post-classical adaptation of one of the myths discussed.

WORLD LANGUAGE COURSE DESCRIPTIONS

4860

SPANISH LITERATURE AND FILM

Grade 11, 12 / 1 Semester / .50 Credit

Prerequisite: Successful completion of Spanish 3.

Seniors are given preference in registration.

Goals and Objectives: To expand students' knowledge and understanding of the Spanish language by integrating literature, culture, and film and focusing on critical thinking, interpretation, speaking, and writing skills. To encourage students to learn about Spanish-speaking cultures through film and literature.

Content and Method: *Materials:* Textbook, selected websites, and handouts. *Methods:* Most of the class will be taught in Spanish and students are expected to use Spanish as much as possible. Students will be reading authentic Spanish literature and viewing authentic Spanish films. A typical class may consist of pre-reading/previewing exercises, reading a poem, short story, or novel fragment or watching a film, and post-reading/post-viewing exercises. There will be guided conversations, group discussions, brief lectures in Spanish on the readings and films, and regular review of grammar.

Evaluation and Grading: Regular reading/viewing quizzes, tests after each unit, extended writing assignments/essays, speaking assessments/oral presentations, and quarter exams.

HEALTH / PHYS ED COURSE DESCRIPTIONS

HEALTH / PHYS ED

HEALTH

5239

HEALTH CORE

Grade 10 / 1 Semester / .50 Credit

The CORE course **is required for all sophomores** and designed to offer a variety of activities to explore and discuss current health material and concepts. These activities assist the course objective; to develop the students' ability to make healthy life choices utilizing a variety of decision-making techniques and a broad knowledge of personal and general health. An emphasis will be placed on avoiding the formation of addictive and harmful habits while promoting positive and healthy behaviors.

Goals and Objectives: The objective of the course is to empower students with information, choice skills and self-confidence in the mode of, but not limited to, the Jesuit discernment model of Experience, Reflection, and Action. Students will apply the course objective to a wide range of social, physical and emotional health challenges. The student will develop a deeper, personal understanding of health choices and the ramifications those choices have on wellness. Upon completion of the CORE health course the student will:

- Make informed addictive behavior decisions.
- Demonstrate basic knowledge of body systems, anatomy, physiology and kinesiology.
- Comprehend the adverse effects

of drugs, alcohol and tobacco on society and self.

- Understand the adverse life effects of poor choices.
- Discover practical stress management techniques.

Content and Methods: The following topics may be discussed during the course:

Review of general health, sexuality, choice theory, stress management, addictive behaviors, pornography, gaming, drugs, alcohol, tobacco, wellness, nutrition, mental health, fitness, disease, grief, injury, eating disorders, environmental health, etiquette, STD's, social health, heredity and family health issues, life skills, dating, character building and self-esteem.

Evaluation and Grading: Students will receive a numerical grade. Grades will be determined using a variety of measures. Including, but not limited to, homework assignments, presentations to the class, quizzes, projects, exams and "on-line" course work.

PHYS ED

5235

PE CORE 1

Grade 10 / 1 Semester / .25 Credit

This course **is required for all sophomore** students and offers a variety of physical activities which fulfill the course objective; to develop the students' psychological, sociological, and physiological growth. Both individual and team concepts are incorporated daily. An emphasis is placed on cooperation and leadership...beyond the

individual student and his "comfort" level. Students will be encouraged to discover expanded levels of physical development, growth and fitness.

Goals and Objectives: The objective of the physical education course is to provide basic skills, knowledge, and activities through a variety of sports. An emphasis is placed on the development and maintenance of physical fitness. Opportunities exist to meet and participate with classmates in a relaxed, structured, social atmosphere. Upon completion of the physical education course the student will be able to:

- Perform correct technique through a variety of athletic activities with an emphasis on safety.
- Demonstrate skills specific to the various units such as: strength, flexibility, balance, accuracy in throwing, speed, hand-eye coordination, general coordination, strokes (swimming), endurance (cardio vascular and muscular), lateral movement, catching, team play, and kicking.
- Demonstrate greater self-confidence while performing different physical activities.
- Complete a routine which contains basic tumbling movements.
- Accept personal physical and athletic strengths, and limitations, in a positive manner as well as those of his classmates.

Content and Methods: The following units may be offered during the CORE course: physical fitness, touch football, speedball, track, volleyball, swimming, team handball, hockey, water polo, soccer, kickball, wiffleball, basketball, tae bo, yoga, rowing, rock-

HEALTH / PHYS ED COURSE DESCRIPTIONS

it ball, tennis, weight training, and tumbling. The CORE class time is divided between explanation, demonstration, and participation.

Evaluation and Grading: Students in the course will receive a “pass” / “fail” grade.

5336 PE 2 PERSONAL FITNESS

Grade 11, 12 / 1 Semester / .25 Credit

This course is designed to offer a variety of physical activities. These activities assist the course objective; to develop the students’ psychological, sociological, and physiological growth. Both individual and team concepts are incorporated daily. An emphasis is placed on cooperation and leadership...beyond the individual student and his “comfort” level. Students will be encouraged to discover expanded levels of physical development and growth.

Goals and Objectives: The objective of the physical education course is to provide advanced skills, knowledge, and activities through a variety of activities. An emphasis is placed on developing and maintaining lifetime personal fitness. Opportunities exist to meet and participate with classmates in a relaxed, structured, social atmosphere. Upon completion of this physical education course the student will be able to:

- Perform safely and with correct technique on all equipment in the fitness center.
- Complete pre and post fitness testing including a one mile (6-15 minute) run.
- Demonstrate skills specific to the various units such as: strength, flexibility, balance, accuracy in

throwing, speed, hand-eye coordination, general coordination, strokes and rotary breathing (swimming), endurance (cardio vascular and muscular), lateral movement, catching, and team play.

- Demonstrate self-confidence while performing different physical activities.
- Complete a routine which contains basic tumbling movements.
- Accept personal physical and athletic strengths, and limitations, in a positive manner as well as those of his classmates.

Content and Methods: The following units may be offered during the course: physical fitness, touch football, speedball, track, volleyball, swimming, team handball, soccer, water polo, rug-ball, kickball, waffle ball, basketball, tae bo, yoga, rowing, bowling, tennis, weight training, golf, and tumbling. Some class time may be dedicated to completing a fitness portfolio.

Evaluation and Grading: Students in the course will receive a “pass” / “fail” grade.

5340-5366

PE 3 ADV

Grade 11 / 1 Semester / .25 Credit

Prerequisites: Completion of PE CORE 1 and participation, in the chosen sport, during freshman and/or sophomore season.

Credit will be awarded when criteria is met. This advanced course is offered to Juniors ONLY (no Senior credit is awarded) who participate on a Varsity/JV (*NO CREDIT FOR

“RESERVE”) sport team offered at St. Xavier. The student MUST have participated, at St. Xavier, for a minimum of one season, in the sport chosen, prior to Junior year. Students MUST attend in-season and pre-season practice/workout sessions following the same attendance guidelines of traditional courses. *Please refer to the Student Handbook for requirements.

Goals and Objectives: The objective of the advanced course is to provide specific skills, knowledge, and activities in a single sport. An emphasis will be placed on the development and maintenance of physical fitness as a building block for improved performance.

Opportunities exist to meet and participate with classmates in a structured, “team sport” atmosphere.

Content and Methods: Content of the course is at the sole discretion of the Head Coach (in conjunction with the Strength/Conditioning staff) of the chosen sport.

Evaluation and Grading: Students in the course will receive a “pass” / “fail” grade based on the following criteria:

- Attend 75% of all pre-season “strength and conditioning” activities.
- Attendance in 100% of all in-season practices and contests.
- Students may be required to complete additional activities, post-season, as assigned by the Department Chair.

Special Note: Students who complete all pre-season requirements and/or do not “make the team” WILL BE ENROLLED IN PE 2 PERSONAL FITNESS DURING SENIOR YEAR.

HEALTH / PHYS ED COURSE DESCRIPTIONS

FALL (credit awarded 1st semester)

- 5340 PE 3 Adv Cross Country
- 5341 PE 3 Adv Football
- 5342 PE 3 Adv Golf
- 5343 PE 3 Adv Soccer
- 5344 PE 3 Adv Water Polo

WINTER (credit awarded 2nd semester)

- 5350 PE 3 Adv Basketball
- 5351 PE 3 Adv Hockey
- 5352 PE 3 Adv Swimming
- 5353 PE 3 Adv Wrestling
- 5354 PE 3 Adv Bowling
(+required 3 days/week - aerobic conditioning with St. X fitness staff)

SPRING (credit awarded 2nd semester)

- 5360 PE 3 Adv Baseball
- 5361 PE 3 Adv Lacrosse
- 5362 PE 3 Adv Rugby
- 5363 PE 3 Adv Track
- 5364 PE 3 Adv Tennis
- 5365 PE 3 Adv Volleyball
- 5366 PE 3 Adv CJRC (Rowing)

ELECTIVES

5435

PE 3 ADVANCED PERSONAL FITNESS

Grade 12 / 1 Semester / .25 Credit

This Elective course is offered to Senior students who wish to participate in traditional physical activities and personal fitness/ lifetime activities.

Prerequisites: Completion of PE CORE and PE 2. All interested students MUST meet with the PE/Health Department Chair prior to registration.

Goals and Objectives: The objective of the elective course is to provide/reinforce specific skills,

knowledge and activities learned in PE CORE and PE 2. An emphasis will be placed on the development and maintenance of personal physical fitness as a building block for improved performance. Opportunities exist to participate in lifetime fitness activities with classmates and in structured teams.

Content and Methods: Content of the course will mirror the PE CORE and/or the PE 2 curriculum. Content may be modified to include weight training and other sport specific activities. Content is at the sole discretion of the PE instructor, Strength/Conditioning staff, and the Athletic Trainer.

Evaluation and Grading: Students in the course will receive a "pass" / "fail" grade. Students are required to attend all class sessions and may be required to complete additional activities as assigned by the PE/Health Department Chair.

5439

HEALTH 2 INTRO TO SPORTS MEDICINE

Grade 12 / 1 Semester / .50 Credit

This Elective course is offered to senior students who wish to participate in a course which combines elements of personal fitness/ lifetime activities, an introduction to sports medicine professions, basic athletic training methodology and application, and basic human anatomy, kinesiology, and physiology.

Prerequisites: Completion of PE/HEALTH CORE AND PE 2 or PE 3 Advanced.

Goals and Objectives:

- Understand the role of the athletic trainer and the entire sports medicine team.
- Basic working knowledge of human anatomy.
- Basic understanding of injuries to include tendonitis, muscle strains, ligamentous sprains, contusions, fractures, spine injuries, and the acute care of these injuries.
- Understand the principles of rehabilitation of athletic injuries.
- Recognize sports emergencies such as heat/cold disorders, diabetic conditions, skin disease, nutritional deviations, and contagious pathogens.
- Enhancement of evaluation skills related to sports injury, treatment, and prevention.
- Basic understanding of strength and conditioning principles.
- The student will learn fundamentals of Sports Medicine and Athletic Training and be exposed to a variety of medical professions.
- Students will receive CPR training and the opportunity to receive certification.

Content and Methods: This course introduces the student to the Sports Medicine industry, including but not limited to: Athletic Training, Physical Therapy, Occupational Therapy, Physician's Assistant, and Strength and Conditioning. 3-4 days a week will be spent in the classroom, 1-2 days a week spent in the Athletic Training room/lab/on the field.

Evaluation and Grading: Grades will be based on a variety of assessments. Students are required to attend all class sessions and may be required to complete additional activities outside

HEALTH / PHYS ED COURSE DESCRIPTIONS

of the traditional school day (most will be associated with Home sporting activities) as assigned by the Athletic Training Staff and/or PE/Health Department Staff and/or Strength Training Staff. Students will receive a numerical grade. Grades will be determined using a variety of measures. Including, but not limited to, homework assignments, presentations to the class, practical assessments, quizzes, projects, and exams.

RELIGIOUS STUDIES COURSE DESCRIPTIONS

RELIGIOUS STUDIES

6102

HONORS SCRIPTURES

Grade 9 / 2 Semesters /1 Credit

Goals and Objectives: The student will study and learn the story of God acting in the lives of the early Judaic and Christian communities through careful reading and interpretation of the Bible following the approach of the Catholic Church. Understanding of the Bible will be aided by modern scholarship to contribute to the student's knowledge of the historical background and literary background of biblical texts. The student will come to understand the Bible as God's self-revelation to us and be invited to integrate Scriptural values into his own life. He will study salvation history from *Genesis* to *Revelation* as a means of encountering the God of history and salvation. Special attention will be given the Gospels witness to Jesus Christ, the Word Made Flesh. The course also includes an introduction to the Jesuits through a close study of the life and ideals of its founder, Ignatius of Loyola.

Content and Methods: The student will read selections from the Bible aided by resources that present the tools for understanding the Sacred Writings. With an appreciation of salvation history and its God, the student will then be invited to integrate the Scriptures at this critical stage of his life. He will be exposed to the Ignatian tradition as an encouragement and challenge to live out the prophetic call to justice of both Testaments. The methodology used in this course is Bible reading and note-taking, lecture, small group

work, discussion, prayer, use of media, and field trips.

Evaluation and Grading: Grades will be determined by homework, quizzes, tests, journal/reflective papers, exam, participation.

6101, 6100

SCRIPTURES

Grade 9 / 2 Semesters /1 Credit

Goals and Objectives: The student will study and learn the story of God acting in the lives of the early Judaic and Christian communities through careful reading and interpretation of the Bible following the approach of the Catholic Church. Understanding of the Bible will be aided by modern scholarship to contribute to the student's knowledge of the historical background and literary background of biblical texts. The student will come to understand the Bible as God's self-revelation to us and be invited to integrate Scriptural values into his own life. He will study salvation history from *Genesis* to *Revelation* as a means of encountering the God of history and salvation. Special attention will be given the Gospels witness to Jesus Christ, the Word Made Flesh. The course also includes an introduction to the Jesuits through a close study of the life and ideals of its founder, Ignatius of Loyola.

Content and Methods: The student will read selections from the Bible aided by resources that present the tools for understanding the Sacred Writings. With an appreciation of salvation history and its God, the student will then be invited to integrate the Scriptures at this critical stage of his life. He will be exposed to the Ignatian tradition as an

encouragement and challenge to live out the prophetic call to justice of both Testaments. The methodology used in this course is Bible reading and note-taking, lecture, small group work, discussion, prayer, use of media, and field trips.

Evaluation and Grading: Grades will be determined by homework, quizzes, tests, journal/reflective papers, exam, participation.

6201

FAITH AND CHURCH AND SACRAMENTS

Grade 10 / 2 Semesters /1 Credit

Goals and Objectives: The student will reflect on his own life and the life of the Church to better understand God's presence and action. He will be asked to understand the process of growth in faith as necessary for his development toward manhood. At the heart of this study is a deepening understanding of the Paschal Mystery of Jesus Christ. The student will study and be invited to embrace the importance of Christian community (Church), the history of the Catholic Church, Sacraments as graced encounters with God, and his own active discipleship. The student will also have the opportunity to experience prayer in the context of the Ignatian *Spiritual Exercises* as adapted for high school students.

Content and Methods: This course will explore the meaning of faith and the nature of religion at the center of which lies an encounter with the living God. The student will be encouraged to own his faith, that is, embrace it of his own volition. The student will study the Church and the Sacraments through various readings

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and activities. The methodology used in this course involves discussion, use of films and follow up analysis, small group work, journaling, and reflective writing. The fourth quarter is given to the experiences of prayer, reflection, and small group discussion.

Evaluation and Grading: The grade for this course will be based upon periodic tests, quizzes, homework, and journal writing. The student's involvement in class will also be considered.

6301 MORALITY AND SOCIAL JUSTICE

Grade 11 / 2 Semesters /1 Credit

Goals and Objectives: This course will attempt to equip students with a systematic approach to solving moral problems and forming conscience. Students will learn to apply this moral analysis to various ethical issues, cases, and problems. They will also learn to recognize various stages of moral growth and development. Finally, they will be introduced to the Christian vision and Church teaching on morality and on specific moral issues.

Content and Methods: Issues examined include lying, stealing, cheating, business ethics, sexual morality, chemical abuse, respect life issues such as abortion, bio-ethics, capital punishment, poverty, hunger, discrimination (race, age, gender, sexual orientation), war, peace, and ecology. Methods employed include case studies, discussion, lecture, guest speakers, films, role playing, research and oral presentations.

Evaluation and Grading: Students are evaluated not on the specific conclusion of their moral decision but rather on the process and their demonstrated knowledge in making that decision. Methods of evaluation include tests, quizzes, reflection essays, research papers, oral presentations, and class participation.

6311 MORALITY AND SOCIAL JUSTICE WITH SERVICE

Grade 11 / 2 Semesters /1 Credit

Goals and Objectives: This course will attempt to equip students with a systematic approach to solving moral problems and forming conscience, while being involved in an on-site community service program. Students will learn to apply this moral analysis to various ethical issues, cases, and problems, including aspects of their service assignment. They will also learn to recognize various stages of moral growth and development. Finally, they will be introduced to the Christian vision and Church teaching on morality and on specific moral issues.

Content and Method: Issues examined include lying, stealing, cheating, business ethics, sexual morality, chemical abuse, respect life issues such as abortion, bio-ethics, capital punishment, poverty, hunger, discrimination (race, age, gender, sexual orientation), war, peace, and ecology. Methods employed include case studies, discussion, lecture, guest speakers, films, role playing, research and oral presentations, and the context of their service placements.

Evaluation and Grading: Grades will be based on quizzes, position papers,

projects, exams, and classroom performance.

6321 MORALITY AND SOCIAL JUSTICE WITH US/SVC

Grade 11 / 2 Semesters /1 Credit

Co-requisites: 8321 United States History/Morality

Goals and Objectives: Two sections of 8321 American History and 6321 Morality and Social Justice and Service will differ from other sections of these courses in two respects. The two instructors will each have the same students and will relate common moral and historical themes and issues in their teaching. On occasion, there will be common double-period classes and common assignments. Secondly, beginning in the first quarter, students in these sections will perform community service for two periods once a week at off-campus sites and this community service experience will be integrated into their study of history, morality, and justice. Because they will be meeting only four days a week instead of five, students in these sections should expect to receive more demanding homework assignments and will be expected to assume personal responsibility for more independent learning, integrated reflection, and dedicated service to others.

Content and Methods: Instructional methods include lectures, class discussions, films, simulations, observations, and small group work.

Evaluation and Grading: Grades will be based on tests, quizzes, examinations, written assignments, and community service participation.

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6401

GOSPEL ACCORDING TO POP CULTURE

Grade 11, 12 / 1 Semester / .50 Credit

Available to Juniors second semester only.

Goals and Objectives: What do Peanuts, Dr. Seuss, Walt Disney, Lord of the Rings, and the Simpsons have to do with the Gospel – the Good News of Jesus Christ? The person and presence of Jesus are not found only in “holy” things, but in things “profane” as well. In fact, in the Catholic Christian tradition there is no real divide between the sacred and the secular. Why? Because we can (and do) discover God in all things (a classic theme of Jesuit spirituality!). We will search for this understanding through a “critical engagement” with respect of our culture. We will attempt to discern where culture is expressive of Gospel values and where it is not. We will enhance our ability to evaluate and be critical of our culture by becoming more media literate. Finally, we will seriously ask ourselves just what changes our learning should demand on our own lives and our use of and involvement in our culture.

Content and Methods: The class will have a diversified format: a combination of lecture, class discussion, small group discussion, student presentations, guest speakers, and films. The student will be called upon to for critical summaries of “texts” read, watched and observed. A high level of reflection and discussion is expected, along with careful class preparation.

Evaluation and Grading: Grades will be assigned according to a numerical combination of tests, quizzes, essays, presentations, and class participation.

6402

MEDITATION

Grade 11, 12 / 1 Semester / .50 Credit

Available to Juniors second semester only.

Goals and Objectives: This course seeks to balance an understanding of meditative practice with an exploration of personal daily experience. Each person experiences a longing that draws us forward in life, calling us to reach beyond ourselves and realize the depth contained in our daily living. We are capable of achieving a level of attentiveness that attunes our awareness to the desires of the heart; this awareness can provide an even-keeled experience in the midst of a chaotic world. We will explore practices drawn from Catholic Christian Tradition, Buddhism, the Desert Fathers and Mothers, Hinduism, and the Spiritual Exercises of Ignatius Loyola.

Content and Methods: The course will include group meditation and reflection, opportunities for exploring and discussing the various forms of meditation, as well as small group reflection and discussion. We will pursue practices in the context and language of prayer and faith, but these practices parallel those used in sports, psychology, and physiology. We will give special attention to the concepts of being present to the moment, mindfulness, breathing, and developing a deep awareness of one’s own inner consciousness.

Evaluation and Grading: Grades will be based on reflection papers, class participation, and reading quizzes.

6403

RESPONDING TO VIOLENCE

Grade 11, 12 / 1 Semester / .50 Credit

Available to Juniors second semester only.

Goals and Objectives: The key question in play for Responding to Violence class is: What defines you? This applies on an individual level, as well as, on small and large group levels. Responding to Violence class explores what it means to be human. We discuss the drives that motivate us and the external influences that impact us. Responding to Violence class acknowledges that conflict, internal and external, is a reality of our journey. The class digs down to the roots of conflict in order to better inform our choices. Responding to Violence class will apply course concepts in theory, in story/film, in historical and current events, and then ultimately in our own lives.

Content and Methods: The course will be a rich combination of experiential and interactive activities along with lecture, discussion, reflection, film, individual and group projects. A wide variety of resources will be used.

Evaluation and Grading: Grades will be drawn from assessments geared towards student’s ability to convey an understanding of our study and discussion on the topic.

6455

BIOETHICS

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Grade 11, 12 / 1 Semester / .50 Credit

Available to Juniors second semester only.

Goals and Objectives: To examine complex moral and ethical issues that are influenced by developments in biotechnology and science.

Content and Method: Taught by science and religion instructors; topics selected by mutual agreement of students and instructors will be studied in the light of biological, moral, and social principles. Prioritized topics include: euthanasia, recombinant DNA technology, imperiled newborns, evolution, medical care, and many others.

Evaluation and Grading: Grading will be based on a combination of position essays, written tests, and student presentations.

6452

RELATIONSHIPS

Grade 12 / 1 Semester / .50 Credit

Goal and Objectives: This course is designed to challenge the student to begin to live a life of Christian love and to form a working understanding of relationships. The student will formulate a personal stance on relationships based upon the knowledge of his personal faith commitment.

Content and Methods: Through the use of lecture, peer presentations, discussions, journals, speakers, prayer, and group activities, the students will be challenged to examine their relationships with themselves, God, their families, and friends. They will consider the

implications that their responses will have on their future lifestyles.

Evaluation and Grading: The student will be evaluated on classroom participation, journal use, text reading, projects, and reflective tests.

6454

WORLD RELIGIONS

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: This course is designed to familiarize students with the non-Christian religions of the world. One of the hallmarks of Jesuit education is "to be open to growth". This course will strive to ensure that the students become more knowledgeable about the nature of religion and the answers offered by the world's major traditions. It will also look at the influences of religion in political and cultural concerns and vice versa. Finally, it will enable the students to see the essential similarities and differences between all religious traditions.

Content and Methods: The course will start with a comparative study of religion. Then we will examine the principles, practices, and teachings of the major traditions including primal and native ones. The material will be presented through lecture, videos, guest speakers, and student led discussions and presentations.

Evaluation and Grading: Grades will be based on summary papers, seminar discussions, research work, quizzes, tests, and classroom performance.

6451

QUESTION OF GOD

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: The goal of this class is to invite students to reflect upon, articulate, and discuss their essential questions about God, human beings, and the world. By the end of the course students are asked to articulate their current theological perspective.

Content and Methods: This is a seminar style class, in which class discussions are primarily based upon student questions. Commonly discussed topics include: images of God, experiences of suffering, faith development, perspective, the search for truth, religious traditions, the role of religion, eschatology, Christology, prayer, and the human condition. In order to deepen our investigation of these topics the class will utilize a number of different sources, including the following: readings from notable philosophers such as Plato and Descartes, the writings of influential theologians like Aquinas and Rahner, Scripture passages, and appropriate films and documentaries.

Evaluation and Grading: Grades will be based on essays, presentations, and tests.

6453

IGNATIAN THEMES IN FILM

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: Pursuing the Jesuit insight that God can be found in all things, this course will reflect upon the themes found in modern film to learn more about God, others, and self. Students will navigate and critically analyze the ongoing dialogue between faith and culture as expressed through the medium of film. Using the particular lens of the

RELIGIOUS STUDIES COURSE DESCRIPTIONS

Spiritual Exercises of St. Ignatius, students will discern the patterns of consolation, desolation, and the themes of the 4 “weeks” in their own lives, their culture, and in film.

Content and Methods: We shall view a plethora of films selected for their connection to the themes of the Spiritual Exercises of Ignatius and accessibility to students’ lives. Students will also be invited to connect the insights gained from these films to their own lives and relationships through written assignments, class discussions, and prayer experiences.

Evaluation and Grading: Types of Assignments include (but are not limited to): reflection questions and papers, prayer experiences, quarterly exams, group reports and projects, film research, preparation, and analysis. The Final Assessment involves a paper and presentation on a movie of the student’s choice in place of a traditional final exam.

6456

WALKING THE WAY: THE CAMINO DE SANTIAGO

Grade 11, 12 / 1 Semester / .50 Credit

This course is offered in the spring semester for juniors and seniors. It is also offered as a summer course for rising seniors (those having just finished their junior year). The spring pilgrimage is over Easter break (2-11 April 2021); the summer pilgrimage is in July (2021).

Prerequisites: (1) This class requires walking the final 118 kilometers of the Camino de Santiago in Spain during Easter break; students must be able to be physically fit enough for the pilgrimage. The PE and training staff

may be asked to evaluate a student for physical fitness. (2) Cooperativeness in behavior and openness of spirituality are equally important. Current and prior teachers of a student will be surveyed concerning student behavior and engagement. (3) The travel component of this class necessitates a fee of approximately \$2200.

Goals and Objectives: This course seeks to facilitate an intellectual exploration and a practical experience of pilgrimage on the Camino. Students will explore the development and expression of faith in the art, history, and culture of the Camino. Each student will have the opportunity to reflect upon his own personal and spiritual journey as well as research particular aspects of the Camino.

Content and Methods: Students will typically meet as a class twice each week. Utilizing a seminar style approach of instruction, the course will consist of three phases: preparation, pilgrimage, and reflection.

Preparation: Each student will choose from texts on the course’s annotated bibliography (inclusive of faith, art, history, and culture) and present his findings to the class. Pilgrimage: students will walk, reflect, journal, pray, and share. Reflection: each student will write and discuss with the class a personal reflection paper, as well as prepare a final presentation to share the experience. Methodology is intended to focus upon student discovery, articulation, and ownership of his interior movements through life.

Evaluation and Grading: Each student must complete the actual pilgrimage over Easter break to receive credit in this class. The student will be evaluated on class presentations, written work including a final reflection paper, a journal of the pilgrimage experience, participation in prayer and discussion, and a final presentation.

SCIENCE COURSE DESCRIPTIONS

SCIENCE

7102

HONORS BIOLOGY

Grade 9 / 2 Semesters / 1 Credit

The Honors Biology course will cover topics in more depth with greater concentration on the molecular aspects of biology as the students proceed through the course material described below. Placement into Honors Biology is optional and requires the approval of the Biology faculty.

Goals and Objectives: Students will begin to develop the skills of scientific inquiry and problem solving. They will develop general biological laboratory skills including application of the scientific method and the use of basic biological laboratory equipment. Students will also develop basic science skills to analyze text, data, and graphs. At the conclusion of the year the student should be able to explain life processes on a molecular, cellular, and systematic level as well as recognize the unity and diversity of living organisms.

Content and Methods: The course will cover a range of topics including scientific method, ecology, basic chemistry and biochemistry, structures and functions of cells, cellular reproduction, heredity, natural selection, and evolution. There are many laboratory activities, demonstrations, small group and class discussions, use of charts, models, videos, and laboratory specimens.

Evaluation and Grading: Grading is based on class preparation, homework, laboratory reports, unit

tests, projects, and quarter exams. Students should expect, on average, 30 minutes of homework per weekday night.

7101 or 7100*

BIOLOGY

Grade 9 / 2 Semesters / 1 Credit

*(Students will be registered for Biology (7100) by the Science department in consultation with the AP for Academics, school counselors, and intervention specialists. This course will cover the same material as Biology (7101). However, the pace and depth of coverage will be adjusted to allow more time to explore scientific concepts and to develop strong study skills.)

Goals and Objectives: Students will begin to develop the skills of scientific inquiry and problem solving. They will develop general biological laboratory skills including application of the scientific method and the use of basic biological laboratory equipment. Students will also develop basic science skills to analyze text, data, and graphs. At the conclusion of the year the student should be able to explain life processes on a molecular, cellular, and systematic level as well as recognize the unity and diversity of living organisms.

Content and Methods: The course will cover a range of topics including scientific method, ecology, basic chemistry and biochemistry, structures and functions of cells, cellular reproduction, heredity, natural selection, and evolution. There are many laboratory activities, demonstrations, small group and class discussions, use of charts, models, videos, and laboratory specimens.

Evaluation and Grading: Grading is based on class preparation, homework, laboratory reports, unit tests, projects, and quarter exams. Students should expect, on average, 30 minutes of homework per weekday night.

7202

HONORS CHEMISTRY

Grade 10 / 2 Semesters / 1 Credit

Placement in Honors Chemistry is optional and will be evaluated and approved by the Chemistry faculty after reviewing the student's math grade, biology grade, and overall GPA. The goal is ensuring that only students likely to succeed at the honors level are placed in the class. Students with grades below the normal standards will be considered upon recommendation of freshmen teachers.

Prerequisites: A student likely to succeed will have a math grade of 92+ in Algebra I, 90+ in Algebra I/Geometry, or 88+ in Algebra II, and as such these grades are normally required.

Goals and Objectives: To provide students with a study of matter and its physical, chemical, and energy changes and to enable students to conduct scientific investigations using various laboratory techniques. The study of chemistry is a vehicle to help the student develop higher order thinking and logical skills. Honors Chemistry demands greater math proficiency because less time is spent reviewing math related concepts than in the regular Chemistry course and the course will delve more deeply into abstract mathematical constructs that

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normal chemistry passes over. This allows for a wider and richer range of topics to be covered during the year.

Content and Methods: Topics to be studied include measurement, atomic & molecular structure, nuclear structure & reactions, electronic structure & quantum mechanics, chemical bonding, chemical reactions & reaction quantities, states of matter & gas laws, thermochemistry, acids and bases, equilibrium systems, kinetics, and redox reactions. Chemistry course methods include scientific reading, small and large group discussions/work, problem solving, lecture, Socratic drill, and laboratory investigations. Typical homework assignments consist of about 30 minutes per night (based on five nights of homework per week even when the class meets fewer times.)

7201 or 7200*

CHEMISTRY

Grade 10 / 2 Semesters / 1 Credit

*(Students will be registered for Chemistry (7200) by the Assistant Principal for Academics in consultation with the student's counselor and the teachers of freshmen. This course will cover the same material as Chemistry (7201). However, the pace and depth of coverage will be adjusted to accommodate differences in mathematical skill development.)

Goals and Objectives: To provide students with a study of matter and its physical, chemical, and energy changes and to enable students to conduct scientific investigations using various laboratory techniques.

Content and Methods: Topics to be studied include measurement, atomic & molecular structure, nuclear structure & reactions, electronic structure, chemical bonding, chemical reactions & reaction quantities, states of matter & gas laws, thermochemistry, acid/base chemistry and equilibrium systems. Chemistry course methods include scientific reading, small and large group discussions, problem solving, lecture, and laboratory investigations. Students are expected to spend 30 minutes on homework for each regular class day and 60 minutes for each XY-day.

7301

PHYSICS

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Biology and Chemistry

Corequisites: Pre-Calculus BC, Pre-Calculus AB, BC Calculus, AB Calculus, or Calculus (non-AP)

Goals and Objectives: To introduce the interested student to the range of topics typically covered in a traditional first-year high school course. To familiarize students with principles of mechanics, thermodynamics, electricity and magnetism, waves and optics, and modern physics; to show the value of experimentation and mathematics in the development of laws and theories in physics; to teach the basic skills of problem-solving and scientific thinking in the area of physics; to present the historical development of physics. The conceptual and mathematical emphasis of this course will prepare students to be scientifically literate citizens able to

pursue careers in the liberal arts and business.

Content and Methods: The areas above will be covered at a level that is appropriate for a high-school, college-preparatory physics course. Instruction will emphasize real-world applications of the material being learned. Laboratory reports, in-class activities, quarter projects, lectures and discussions, problem-solving sessions, videos, internet web sites, and demonstrations will be used for instruction.

Evaluation and Grading: Grading is based on problem-solving assignments (homework & class work), laboratory work and reports, tests and quizzes, independent project work and quarter examinations. Students should expect, on average, 30 minutes of homework per weekday night.

7300

PHYSICS

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Biology and Chemistry

Corequisites: Geometry/Trigonometry or Introduction to Calculus

Goals and Objectives: To introduce the interested student to the range of topics typically covered in a traditional first-year high school course. To familiarize students with principles of science, mechanics, conservation laws, electricity and magnetism, and modern physics; to show the value of experimentation and mathematics in the development of laws and theories in physics; to teach the basic skills of problem-solving and scientific thinking in the

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area of physics; to present the historical development of physics. The conceptual emphasis of this course will prepare students to be scientifically literate citizens able to pursue careers in the liberal arts and business.

Content and Methods: The areas above will be covered at an introductory level that is appropriate for a high-school, college-preparatory physics course. Instruction will emphasize real-world applications of the material being learned. Laboratory reports, quarter projects, lectures and discussions, problem-solving sessions, videos, internet web sites, and demonstrations will be used for instruction.

Evaluation and Grading: Grading is based on problem-solving assignments (homework & class work), laboratory work and reports, tests and quizzes, independent project work and quarter examinations. Students should expect up to 30 minutes of homework per night.

7302

AP PHYSICS I

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Algebra II (or equivalent) with an average of 85% or better. If these requirements are not met, the student will need the permission of the AP Physics I instructor.

Corequisites: Enrollment in Honors Precalc BC **or** Honors Precalc AB **or** AP AB Calculus **or** AP BC Calculus. If a student is not enrolled in one of these courses, he will need the

permission of the AP Physics I instructor.

Goals and Objectives: To introduce the able and interested student to an in-depth study of a wide range of topics typically covered in the first semester of a year-long, algebra-based, college physics course. To familiarize students with principles of translation and rotational mechanics (including motion, forces, momentum, and energy), electricity, and waves; to show the value of experimentation and mathematics in the development of laws and theories in physics; to teach the skill of scientific thinking in the area of physics; to present the historical development of physics. The **strong** mathematical emphasis of this course prepares students for careers in engineering, science, computer programming, or medicine.

(Note: This course is a pre-requisite for those wishing to take AP Physics C)

Content and Methods: The topics in this course, listed above, will be covered in greater depth than in a typical high-school physics course. The mathematics used will be based on skills covered in the student's Algebra courses and the student is expected to be comfortable in performing mathematical manipulations. An algebra-trigonometry based, first-year college textbook will be used in the course and students will be expected to produce work of high quality. Laboratory reports, lectures and discussions, in-class activities, quarter projects, problem-solving sessions, videos, internet web sites, and demonstrations will be used for

instruction.

Evaluation and Grading: Grading is based on laboratory work and reports, tests and quizzes, independent project work, homework/problem-solving, and quarter examinations. Students should expect, on average, 30-40 minutes of homework per weekday night.

LAB ELECTIVES

7103

AP BIOLOGY

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Biology, Chemistry, Sophomore English, with scores no lower than 88% in Biology, 85% in Honors Biology, 88% in Honors Chemistry, 90% in Chemistry, 90% in English along with approval of the Chemistry teacher, approval of the AP Biology teachers.

Goals and Objectives: To study the material appropriate for a first-year college biology course; to provide laboratory experiences that will broaden the understanding of basic biological concepts; to prepare students to take the Advanced Placement Biology Exam.

Content and Method: The aim of the Advanced Placement Biology course is to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Primary emphasis is on developing and understanding of concepts rather than on simply memorizing terms and technical details. These concepts are developed

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through eight major themes which include: science as process, evolution, energy transfer, continuity and change, relationship of structure to function, regulation, interdependence in nature, science, technology, and society. Methods employed to relate concepts are primarily laboratory experiences and demonstrations, laboratory specimens, lectures, discussions, charts, models, videos, and written papers.

Evaluation and Grading: Evaluation will be based on laboratory work and reports; laboratory practical tests for dissections, student papers, tests, and quarter exams. Estimated homework time for the course ranges from 30 - 60 minutes per night. A summer assignment will need to be completed prior to the start of the school year. The College Board AP Biology Exam may be taken at the end of the course for possible college credit.

7203

AP CHEMISTRY

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: 90% average or above in Honors Chemistry (7202), or 93% average or above average in Chemistry (7201) and approval of instructor.

Goals and Objectives: To study the material appropriate for a first-year college chemistry course; to provide laboratory experiences that will broaden the understanding of basic chemical concepts; to prepare students to take the Advanced Placement Chemistry Exam.

Content and Method: The content of AP Chemistry is the normal subject matter for a first-year college

chemistry course for science majors. The topics studied in the first-year Chemistry course are expanded and developed in depth. Additional topics such as kinetics, equilibrium chemistry, acid-base chemistry, and electrochemistry are included. The laboratories involve more developed skills and precision as well as a deeper understanding of the chemical principles involved. The equipment used includes analytical balances, spectrophotometers, and pH meters. The instructional methods include whole-class discussions, laboratories, problem-solving sessions, online-videos, and demonstrations.

Evaluation and Grading: Evaluation is based on homework assignments, laboratory reports, online written reflections, quizzes, as well as midterm and final quarter exams. Students should expect, on average, 45 minutes per weeknight of homework. A summer assignment will need to be completed prior to the start of the school year.

7303

AP PHYSICS C

Grade 12 / 2 Semesters / 1 Credit

AP Physics C is intended for exceptionally able mathematics and science students who are dedicated to **one hour of AP Physics C work per night**. This course is for the highly motivated student who desires an in-depth study of physics in preparation for taking physics at the university level.

Prerequisites: Students must have a yearly average of 90% or above in AP Physics I; other students need approval of counselor and AP Physics C instructor.

Corequisites: AP BC Calculus or AP AB Calculus.

Goals and Objectives: To introduce the most highly motivated student to the calculus-based study of mechanics and electromagnetism in preparation for the AP Physics C: Mechanics Exam and AP Physics C: Electricity and Magnetism Exam and to the study of physics at the introductory, university level.

Content and Methods: This course introduces the student to an in-depth, calculus-based study of the areas of mechanics and electromagnetism. The class will present material at a collegiate level and pace. The student is expected to produce work of this level as well. Classroom activities include lecture, laboratory, class discussion, written assignments, tests, and examinations.

Evaluation and Grading: The grade for St. Xavier will be based on the quality of classroom participation, laboratory work and reports, tests, and quarter examinations; work outside of class will usually average under one hour per class session. Advanced Placement grade will be determined by the AP Physics C Examinations. A summer assignment will be assigned prior to the beginning of the school-year.

NON-LAB ELECTIVES

7401

ANATOMY

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Chemistry (may be a corequisite).

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Goals and Objectives: To supplement and enrich knowledge gained during first-year biology; to develop laboratory skills in the use of selected laboratory equipment and animal dissection; to acquaint students with cellular and gross human anatomy; to aid students who intend to pursue a biology or health-centered college program.

Content and Methods: A study of the structure of the human body; specific areas to be explored include the cellular and gross structure of the muscular, skeletal, nervous, endocrine, digestive, and circulatory systems. Extensive laboratory experiences will include the complete dissection of the cat and human tissue study.

Evaluation and Grading: Grading will be based on written, oral and practical tests, and quarter exams. Students should expect 20-30 minutes of homework per night (on average).

7402

PHYSIOLOGY

Grade 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Sophomores who earned a 90% or better in Honors Biology (7102) or Chemistry for Juniors or Seniors; permission from instructor.

Goals and Objectives: To supplement and enrich knowledge gained during first-year biology; to develop a conceptual and factual understanding of the interrelationship of the systems of the human body; to study selected diseases associated with human systems; to aid students who intend to pursue a biology or health centered college program.

Content and Methods: A study of the normal homeostatic function of selected body systems will be examined. Interactive lectures and class discussions will be used. Selected laboratory experiments/demonstrations will be used to demonstrate the normal function of body systems, and case studies will be used to examine the pathophysiology of those systems.

Evaluation and Grading: Grading will be based on completion of homework assignments, reading quizzes, objective and subjective tests, and quarter exams. In addition, students will work individually and in groups to solve case studies of various pathological conditions. Students should expect, on average, 30 minutes of homework per weeknight.

7403

INTRODUCTION TO PSYCHOLOGY

Grade 11, 12 / 1 Semester / .50 credit

Prerequisites: Biology & Chemistry

Goals and Objectives: An introduction to the study of Psychology from the scientific perspective (consideration of variables) including research methods, the nervous system, learning and memory, consciousness, motivation theory, adolescent development, personality, mental illness, and social psychology.

Content and Methods: This course will include an investigation of these topics by case studies, current articles from psychology and neuroscience, and current events/relevant topics.

Evaluation and Grading:

Assignments will include readings, case study analysis, experiential learning via projects, and presentations. Additional assessments will include reflection questions, quizzes, and tests. Students should expect, on average, 30 minutes of homework per weeknight.

*This class is designed for a student who has interest in human behavior and societal trends but does not wish to cover material at an accelerated pace or necessarily take the AP Psychology Exam.

7407

ENVIRONMENTAL SCIENCE

Grade 10, 11, 12 / 1 semester/ .50 credit

Prerequisites: Biology

Goals and Objectives: To provide an interdisciplinary approach to environmental issues. To understand the functioning of the Earth's environment including both the living (ecological) and non-living (geological and meteorological cycles of the earth) environments of the world. To identify and analyze both human-made and natural environmental problems and to evaluate the risks associated with these problems.

Content and Methods: This course will cover topics including biomes, ecosystems, food chains, the interactions between and among organisms and their environment, evolution/speciation, natural resource management, conservation, population growth, climate change, ozone depletion, deforestation, biodiversity loss, and a study of the history of resource use and

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conservation along with major environmental laws and policies. This course includes laboratory activities, demonstrations, lectures and discussions, use of charts, models, videos, and fieldwork.

Evaluation and Grading: Grading is based on class participation, laboratory reports, chapter tests, laboratory and field experiences, and quarter exams. Students can expect to have 20-30 minutes of homework per night.

7410

HEALTH CAREER SEMINAR

Grade 11, 12 / 1st Semester / .25 Credit

This course will next be offered in the 2021-2022 school year. This non-lab course will be taught during first semester (**Fall 2021**) every Tuesday evening from 6:00 – 8:00pm. A student will receive .25 credit but may not use this course to fulfill a science requirement.

Prerequisites: Chemistry and Biology.

Goals and Objectives: To provide students with an opportunity to gain insight into the careers related to health care and medicine. Students will learn about the academic requirements that are necessary for pursuing a career related to biomedical research, hospital administration, medicine, and therapy. In addition, students will have the opportunity to learn about medical specialties and sub-specialties, managing work-life balance, and the challenges associated with our current healthcare system and insurance. This course also

provides students with the opportunity to connect with physicians and researchers for shadowing and research opportunities.

Content and Methods: Practicing health career professionals, including researchers and physicians will present both anecdotal and evidence-based data relating to their specialty area(s) and academic preparation with an emphasis on clinical practices and representative cases. Students will listen to the speakers, ask questions, and summarize the main ideas.

Evaluation and Grading: Evaluation will include summary papers for periodical articles we discuss, journals/notes from guest speakers, two quarter essays/papers, and a project describing a career shadowing or interview experience.

7411

MARINE SCIENCE

Grades 10, 11 / Summer 2022 / .50 Credit

This course will next be offered in the 2021-2022 school year. This course takes place on the Big Island of Hawaii and Maui (Summer 2022). Students stay at the Hawaii Preparatory Academy on the Big Island during the summer of even numbered years. The estimated cost for the 17-day course (includes accommodations on two islands, materials, field trips & excursions, tuition, and all airfare) is \$5,500. Acceptance into this course is based on approval from current science teacher(s), counselors, and assistant principals. Students who have already graduated may not enroll in this course. Please contact Mrs.

Heather Nardini with any questions.
hnardini@stxavier.org

Goals and Objectives: To provide students with an interdisciplinary science elective that focuses on the ocean ecosystem and its inhabitants. Additional course content will include exposure to Hawaiian culture and customs through field trips and guest speakers.

Content and Methods: The course uses lecture, field trips, projects, and inquiry laboratories to explore the marine world. The course includes the study of physical oceanography and a detailed survey of the characteristics and ecology of the major taxonomic groups of marine organisms. Specific topics covered will be: dangerous marine organisms, waves/beaches, invertebrate phyla, chemical/physical oceanography, tide pool ecology, coral reef ecology, tides/tsunamis, geology of the Hawaiian Islands, marine birds/mammals, maricultures, estuarine/coastal marsh communities, and fish classifications/anatomy, and physiology.

Evaluation and Grading:

Throughout the course, students will be required to keep a portfolio of lecture notes, laboratory observations, and laboratory reports. Laboratory and classroom participation are mandatory. Detailed laboratory reports will be submitted as graded assignments. A final exam will be administered at the completion of the course. Students who successfully complete all requirements earn .50 credit hour for their 80+ hours of course work, field work, and lab work.

7455

SCIENCE COURSE DESCRIPTIONS

BIOETHICS

Grade 11, 12 / 1 Semester / .50 Credit

Available to Juniors second semester only.

Prerequisites: Biology

Goals and Objectives: To examine complex moral and ethical issues that are influenced by developments in biotechnology and science.

Content and Method: Taught by science and religion instructors; topics selected by mutual agreement of students and instructors will be studied in the light of biological, moral, and social principles. Prioritized topics include: euthanasia, recombinant DNA technology, imperiled newborns, evolution, medical care, and many others. Students will receive a half credit in Science or a half credit in Religion upon successful completion of this course.

Evaluation and Grading: Grading will be based on a combination of position essays, written tests, and student presentations. Students should expect, on average, 20-30 minutes of homework per weeknight.

7406

AP PSYCHOLOGY- NEUROSCIENCE

Grades 11, 12 / 2 Semesters / 1 Credit

Prerequisites: 87% or higher GPA or permission of the instructor.

Goals and Objectives: To introduce the student to the study of human behavior with a focus on the "biological basis" of behavior. This two-semester course will investigate

the underlying physiology for human thinking, language, consciousness, learning and memory, personality, and psychological disorders (mental illness). Students will study the endocrine and nervous systems in depth, as they relate to the control and regulation of human behavior. Students will also learn the major research studies and psychological theories that have led to the growing field of Neuroscience. Students will learn to think critically by using scientific processes and methods to investigate data/information and to evaluate theories. Students who are successful in the course are prepared to take the AP Psychology Exam given in the spring.

Content and Methods: The curriculum of AP Psychology-Neuroscience mimics a college-level introductory Biological Psychology course. Topics include: history of physiological psychology, effects of psycho-active drugs, nervous system, senses and perception, sleep and dream theory, stress and emotion, learning, memory, intelligence, communication, development, neurological disorders, mental and behavioral disorders, therapies, and social psychology. Students will be expected to do significant reading and there will be, approximately, 45-50 minutes of homework required per night.

Evaluation and Grading: Grade will be based on the quality of investigation, classroom discussions, assignments, projects, research, quizzes/tests, a research paper, and quarter examinations. Advanced Placement score will be determined by the student's performance on the AP examination.

7404

ENGINEERING FOUNDATIONS

Grades 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Algebra I (80% or above) and Algebra II (80% or above)

Prerequisite/Corequisite: Physics, AP Physics I, or AP Physics C, and Geometry and Trigonometry or Precalculus

Goals and Objectives: To introduce the field of Engineering through a group-based hands-on approach to the engineering design processes. Students will utilize math, science, and cutting-edge technology to solve engineering problems. The course is primarily group-project based and requires equal participation by all students. Engineering is done in groups and functioning well as a group requires unique skills; therefore, the students will receive training in techniques that promote effective work in a group setting. Through training in research, the design process, software tools, computer-controlled tools, and other power tools, the students will be exposed to concepts that are common to various fields of engineering. The course also emphasizes the oral and written communication skills necessary to be a successful engineer. Students will develop their engineering knowledge and abilities by implementing the engineering design process to define and solve real-world problems.

Content and Methods: Classroom discussion, guest speakers, notes, group work, and multiple design

SCIENCE COURSE DESCRIPTIONS

projects that produce physical projects.

Evaluation and Grading: Teacher assessment of team projects, writing assignments, self-reflection, peer evaluations, and quizzes. Average daily homework load is 20 minutes per night.

SOCIAL STUDIES COURSE DESCRIPTIONS

SOCIAL STUDIES

8102

AP MODERN WORLD

Grade 9 / 2 Semesters / 1 Credit

Prerequisites: Qualified freshmen will be invited to participate in this AP offering. AP Modern World will be part of the St. Francis Xavier House curriculum.

Goals and Objectives: This full-year course explores the expansive history of the human world. Students will learn many facts, but also the critical thinking skills necessary to analyze historical evidence. Five themes will be used as a frame of reference in the chronological study of our world's history; these themes are: Interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

Content and Methods: *Materials:* AP Modern World textbook and supplementary texts. *Methods:* include lectures, group and class discussions, videos, slides, and out of class projects.

Homework Expectations: Students can expect on average to have 30 minutes of homework a night.

Evaluation and Grading: Grades will be based on tests, quizzes, examinations, and written assignments.

8101 or 8100

MODERN WORLD HISTORY

Grade 9 / 2 Semesters / 1 Credit

Goals and Objectives: This course is designed to develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Students will gain an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students will examine and consider multiple primary sources and accounts in order to understand international relations from a variety of perspectives.

Content and Methods: *Materials:* *Perspectives on the Past*, et.al. and supplementary texts. *Methods:* include lectures, class discussions, films, videotapes, slides, and out-of-class projects.

Evaluation and Grading: Grades are based on tests, quizzes, projects, and quarterly written assignments. Quarter examinations are valued at 20 percent of a student's quarter grade.

8202

AP MACROECONOMICS

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: A solid command of algebraic concepts, 90% cumulative average or higher, OR permission from the AP Macroeconomics instructor.

Goals and Objectives: AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on

the study of national income and price-level determination. This course provides students with a thorough understanding of the principles of economics and how economists use those principles to examine aggregate economic behavior. Students will learn how the measures of economic performance, such as gross domestic product (GDP), inflation, and unemployment are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. The course recognizes the global nature of economics and provides ample opportunities to examine the impact of international trade and finance on national economies. Various economic schools of thought are introduced as students consider solutions to economic problems.

Content and Methods: *Materials:* include AP Macroeconomics textbook, handouts, online readings, and review material on Canvas. *Methods:* include PowerPoint presentations, annotations of assigned readings, classroom dialog and simulations, and problem-solving applications.

Homework Expectations: Students can expect on average to have 30 minutes of homework a night.

Evaluation and Grading: A student's grade is based upon tests (essay and objective questions), quizzes, written responses to assigned readings and free response questions based upon key economic principles.

8201

ECONOMICS AND FINANCIAL LITERACY

Grade 10 / 1 Semester / .50 Credit

SOCIAL STUDIES COURSE DESCRIPTIONS

Goals and Objectives: Students should gain a basic understanding of the U.S. economy and the kinds of economic issues that appear in the news. The focus of the course will be on the national economic issues rather than on business decisions or consumer skills. Topics include cost-benefit decision making, economic systems, markets and the laws of supply and demand, business organization and growth, personal finance, problems linked to the business cycle, government fiscal and monetary policy, globalization, international trade, and the economic development of emerging countries.

Content and Methods: A selected textbook and faculty prepared handouts. Instructional methods will include lectures, class discussions, group work, films, videotapes, simulations, and guest speakers.

Evaluation and Grading: Grades are based on quizzes, tests, examinations, and the research assignments

8302

AP UNITED STATES HISTORY

Grade 11 / 2 Semesters / 1 Credit

Prerequisites: A 90% or above cumulative average and an 88% or above in first semester sophomore honors English; or a 90% or above in first semester sophomore regular English OR permission from the APUSH instructor.

Goals and Objectives: To prepare students for successful completion of the Advanced Placement examination given each May. To provide students with the skills and knowledge necessary to deal critically with

problems and materials in U.S. history. To prepare students for advanced college courses by making demands equivalent to a full year introductory college course. To provide students with skills necessary to arrive at conclusions on a basis of informed judgment, and to present ideas clearly and persuasively in essay format. To provide students with a rigorous intellectual exercise leading to increased understanding of historical phenomena in the U.S. To learn to assess historical materials.

Content and Method: *Materials:* Fraser, *By the People*, and various outside assigned reviews/reflections. *Methods:* include lectures, research papers, videos, student summaries, and oral presentations.

Homework and Summer Reading Expectations and Requirements:

Students can expect on average to have 40 minutes of homework a night. A summer reading assignment will also be required.

Evaluation and Grading: Evaluation and grades are based primarily on tests, numerous scholarly readings, and various written assignments including papers. Selected objective questions are included on all examinations. All examinations are designed to prepare the students for the AP examination.

8301 or 8300

UNITED STATES HISTORY

Grade 11 / 2 Semesters / 1 Credit

Goals and Objectives: This course will examine the social, political, and economic subsystems of the United States. Prime consideration in this course will be given to a study of the

elements of change in the United States and the development of the American character. This course will also place an emphasis on research skills and formal writing skills.

Content and Method: Instructional methods include lectures, class discussion, videos, simulations, small group work, primary sources usage, research, and writing skill development.

Evaluation and Grading: Grades are based on tests, quizzes, examinations, book reviews, various written assignments, and an acceptable research assignment.

8321

UNITED STATES HISTORY/MORALITY

Grade 11 / 2 Semesters / 1 Credit

Corequisites: 6321 Morality and Social Justice and Service.

Goals and Objectives: Two sections of 8321 American History and 6321 Morality and Social Justice and Service will differ from other sections of these courses in two respects. The two instructors will each have the same students and will relate common moral and historical themes and issues in their teaching. On occasion, there will be common double-period classes and common assignments. Secondly, beginning in the first quarter, students in these sections will perform community service for two periods once a week at off-campus sites and this community service experience will be integrated into their study of history, morality, and justice. Because they will be meeting only four days a week instead of five, students in these sections should

SOCIAL STUDIES COURSE DESCRIPTIONS

expect to receive more demanding homework assignments and will be expected to assume personal responsibility for more independent learning, integrated reflection, and dedicated service to others.

Content and Methods: Instructional methods include lectures, class discussions, films, simulations, observations, and small group work.

Evaluation and Grading: Grades will be based on tests, quizzes, examinations, written assignments, and community service participation.

8402

AP US GOVERNMENT AND POLITICS

Grade 12 / 1 Semester / .50 Credit

Prerequisites: 90% cumulative average and 88% first semester grade in U.S. History or 85% in AP U.S. History OR permission from the AP U.S. Government instructor.

Goals and Objectives: Through a critical examination of the principles, institutions, and processes of American government, students will understand how public policy is shaped. The course will consider the Constitution, federalism, political culture and ideology, public opinion, the media, parties, elections, interest groups, Congress, the presidency, the bureaucracy, the courts, civil rights and liberties, and key public policy issues with a special emphasis on current political events and trends. This introductory college-level course is designed to prepare students to take the AP Test in U.S. Government and Politics in May.

Content and Methods: *Materials:* a textbook, handouts, online readings, and review material on Canvas.

Methods: include daily PowerPoint presentations along with classroom dialog, simulations, role-plays, short videos, small group work, and student presentations.

Evaluation and Grading: A student's grade is based on tests (essays and objective questions), quizzes, written responses to assigned readings, quarter papers, and the quarter exams. The quarter projects will entail the writing of essays examining a student's political ideology and their reflections on a judicial branch experience.

8401

THE AMERICAN POLITICAL SYSTEM

Grade 12 / 1 Semester / .50 Credit

Goals and Objectives: Through a critical examination of the principles, institutions, and processes of American government, students will understand how public policy is shaped. The course will consider the Constitution, federalism, political culture and ideology, public opinion, the media, parties, elections, interest groups, Congress, the presidency, the bureaucracy, the courts, civil rights and liberties, and key public policy issues with a special emphasis on current political events and trends.

Content and Methods: A selected textbook and faculty prepared handouts. Instructional methods will include lectures, class discussions, group work, films, videotapes, simulations, and guest speakers.

Evaluation and Grading: Grades are based on quizzes, tests, examinations, and the research assignments.

ELECTIVES

8412

AP EUROPEAN HISTORY

Grade 12 / 2 Semesters / 1 Credit

Prerequisites: 90% cumulative average and a 90% first semester grade in U.S. History or an 88% first semester in AP U.S. History OR permission from the AP European instructor.

Goals and Objectives: An understanding of some of the principal themes in modern European history (political, diplomatic, intellectual, cultural, social, and economic), an awareness of the consequences of European contacts with other areas of the world, and an ability to analyze historical evidence. Students will be prepared to complete the AP examination in May.

Content and Methods: *Materials:* *Western Civilization Since 1300*, Spielvogel, and various primary source handouts. *Methods:* include lectures, videos, small group discussion, and book critiques.

Homework and Summer Reading Expectations and Requirements:

Students can expect on average to have 40 minutes of homework a night. A summer reading assignment will also be required.

Evaluation and Grading: Evaluation and grades are based primarily on tests, numerous scholarly readings, and various written assignments

SOCIAL STUDIES COURSE DESCRIPTIONS

including papers. Selected objective questions are included on all examinations. All examinations are designed to prepare the students for the AP examination.

8446

AMERICA IN THE 1960s

Grade 11, 12 / 1 Semester / .50 Credit

Goals and Objectives: This course analyzes the political, social, and cultural history of 1960s America. In exploring this turbulent decade, the course examines many topics including: the presidencies of John Kennedy, Lyndon Johnson, and Richard Nixon; social movements of the decade, including the civil rights and black power movements, the new left, environmentalism, and feminism; the counterculture; rock 'n' roll; and the Vietnam war.

Content and Method: We will investigate these and other issues in a mix of printed, visual, audio, and multi-media sources such as speeches, newspapers and magazines, photographs, television, movies, and music.

Evaluation and Grading: Grades will be based on tests, quizzes, examinations, and written assignments.

8447

AMERICAN CIVIL WAR

Grade 11, 12 / 1 Semester / .50 Credit

Goals and Objectives: Provide the student with economic, social, political, and military history tools in order to better assess, appreciate and interact with the American Civil War as a relevant human cataclysm deserving lifelong study. This course

will help the student to survey the major topics of one of the most influential experiences on American Culture and to understand the major military themes, strategies, campaigns, leaders, tactical experiences, technologies, blunders, successes, and sacrifices of this destructive four-year war.

Content and Methods: Various Civil War related supplementary texts. Other instructional methods will include lectures, class and group discussions, videos, slides, and out of class projects.

Evaluation and Grading: Grades will be based on tests, quizzes, examinations, and various written assignments.

8455

HISTORY OF AMERICAN CAPITALISM

Grade 11, 12 / 1 Semester / .50 Credit

Instructor: Mr. Timothy McDonald

Goals and Objectives: This course analyzes the development of modern management, entrepreneurship, and leadership through a study of the history of American capitalism. The goal is to understand these concepts/techniques and how they are applied in modern business. A study of the emergence of the modern American corporation beginning with Josiah Wedgewood is followed by the railroads in the late nineteenth century and the Industrial Revolution. We then move on to the emergence of large corporations such as Procter & Gamble, Ford Motor Company, and General Motors. The course will also include an examination of the evolution of modern enterprises during the 20th century like General

Electric. A study of various theorists in the fields of management, entrepreneurship, and leadership will also be included.

Content and Method: The course will utilize a series of readings, discussions, and projects to examine the history and development of the American economic system born of capitalism with a focus on entrepreneurship and leadership. Students will need to complete the assigned readings and be prepared to participate productively in all discussions.

Evaluation and Grading: Grades will be based on tests, quizzes, examinations, various readings, and written assignments.

Student Perspective: "The History of American Capitalism" elective class covers a broad range of entrepreneurial theories and concepts. It encompasses all the key aspects of starting your own business and equips you with the tools you need to become a successful entrepreneur. "Entrepreneurship in Action and Market Economics" elective class, will be a much deeper dive and hands on approach to entrepreneurship. Because of the nature and scope of this class, some limited activities may occur outside the normal classroom period.

8202

AP MACROECONOMICS

Grade 12 / 1 Semester / .50 Credit

Prerequisites: A solid command of algebraic concepts, A 90% cumulative average or higher OR permission from the AP Macroeconomics instructor.

SOCIAL STUDIES COURSE DESCRIPTIONS

Goals and Objectives: AP

Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. This course provides students with a thorough understanding of the principles of economics and how economists use those principles to examine aggregate economic behavior. Students will learn how the measures of economic performance, such as gross domestic product (GDP), inflation, and unemployment are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. The course recognizes the global nature of economics and provides ample opportunities to examine the impact of international trade and finance on national economies. Various economic schools of thought are introduced as students consider solutions to economic problems.

Content and Methods: *Materials:*

include an AP Macroeconomics textbook, handouts, online readings, and review material on Canvas.

Methods: include PowerPoint presentations, annotations of assigned readings, classroom dialog and simulations, and problem-solving applications.

Homework Expectations: Students can expect on average to have 30 minutes of homework a night.

Evaluation and Grading: A student's grade is based upon tests (essay and objective questions), quizzes, written responses to assigned readings, and

free response questions based upon key economic principles.

8445

THE AMERICAN LEGAL SYSTEM

Grades 11, 12 / 1 Semester / .50 Credit

Course Description: *Law: An Introduction to the American Legal System*

Goals and Objectives: This course will focus on various legal issues relevant to students' lives. The course will cover the two broad areas of American law: Criminal and Civil Law. Topics to be covered include criminal laws, Bill of Rights protections, criminal procedure, the juvenile justice system, intentional torts, negligence, intellectual property law, consumer and housing law, and contract law. This course will build upon material learned by students in Introduction to Government, especially in the area of search and seizure and other Bill of Rights protections.

Content and Method: *Street Law: A Course in Practical Law.* Case studies and current events will be used to address topics. Hypothetical situations and group work will be the norm for the class. Other instructional methods will include lectures, class discussions, and videos.

Evaluation and Grading: Grades will be based on tests, quizzes, examinations, and written assignments.

8457

AMERICAN HOT WAX

Grades 11, 12 / 1 Semester / .50 Credit

Course Description: *American Hot Wax: A Social History of Rock & Roll:*

This course seeks to balance understanding the development and significance of Rock and Roll in its historical and social environment with maintaining a focus on listening to the music as the main mode of understanding. Through listening, analysis, discussion, music, and film, students will explore the music and the culture and society of the day. We will explore how 20th Century American culture was reflected in the popular music of the period. The course begins with an overview of ancestors and influences: blues, boogie-woogie, jazz, swing, country & western, gospel, and popular music, and the crossover success of rhythm & blues acts that marked the true birth of rock & roll. We will study the musical and social trends of the 1960's and social upheaval of the late 1960's, and the changes in Rock & Roll music during the seventies, eighties, and nineties. The course will culminate in an exploration of today's current musical trends and icons including rap/hip hop.

Content and Method: Class assignments will be organized around song analysis, small group discussions, reading assignments, in-class activities, and multi-media presentations. The textbook is *Rockin' in Time: A Social History of Rock 'n Roll* by David Szatmary.

Evaluation and Grading: Grades will largely be based on tests, quizzes, and projects over the course and our studies.

8458

20TH CENTURY WORLD WARS

SOCIAL STUDIES COURSE DESCRIPTIONS

Grades 11, 12 / 1 Semester / .50 Credit

Course Description: *The 20th Century World Wars and their Effects on the World Today:* This course will challenge students to evaluate the First and Second World Wars as 20th Century events that have greatly impacted and shaped the 21st Century world. In the exploration of these wars, students will analyze the political, social, economic, and military components of the wars as well as the various ways that both individuals and groups were impacted by these wars. Students will also investigate the many moral and ethical issues born out of the technological advances in weaponry as well as human decisions made during the wars. This course will culminate by inviting students to study these wars as transformative in their results, both Geo-Political as well as human, in an attempt to come to a better understanding of the effects on their lives today.

Content and Method: Students will access and have access to a number of printed, visual, audio, and multi-media sources such as articles, primary and secondary documents, photographs, speeches, maps, websites, documentaries, and movies. There will be no textbook for this course.

Evaluation and Grading: This will be, to some degree, a project-based course in which students will complete a major and minor project each quarter and will take weekly quizzes.

8456

ENTREPRENEURSHIP IN ACTION

Grades 11, 12 / 1 Semester / .50 Credit

Instructor: Mr. Timothy McDonald

Course Description: *Entrepreneurship in Action and Market Economics:* This course analyzes the development of modern economic business startup models, entrepreneurship, and leadership through virtual and real-life projects. The goal is to understand these concepts/techniques, how they are applied in modern business, and how they developed from a historical perspective. The curriculum will include the study of various theorists in the fields of lean methods for startups and entrepreneurs.

Content and Method: The course will utilize a series of virtual and real-life lessons to examine the history and development of Market Economic Systems in which modern day entrepreneurs occupy a central position. Students will need to participate productively in all virtual and real-life, hands on projects throughout the business life cycle. This will be accomplished by working in and rotating through Group Pods that focus on the aspects of running a business in a Market Based Economic structure. Other concepts that may be included: *The Lean Start Up*, *Google Sprint Method*, and *The Lean Canvas Methodology*.

Evaluation and Grading: Grades will be based on tests, quizzes, in-depth study of modern-day economic start up systems, and participation in interactive entrepreneurial projects.

Student Perspective: "The History of American Capitalism" elective class covers a broad range of entrepreneurial theories and concepts. It encompasses all the key aspects of

starting your own business and equips you with the tools you need to become a successful entrepreneur. "Entrepreneurship in Action and Market Economics" class, will be a much deeper dive and hands on approach to entrepreneurship. Because of the nature and scope of this class, some limited activities may occur outside the normal classroom period.

FINE ARTS COURSE DESCRIPTIONS

FINE ARTS

9000

CREATIVE THINKING

Grade 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Fine Arts requirements (2 semesters) in ANY genre.

Goals and Objectives: Learn how to have more good ideas by understanding the role creativity plays in your everyday life and how to access it on demand. Students will use creative engagement to solve problems, make themselves happier and increase their emotional intelligence alongside studying what, exactly, happens in our brains when we have an idea and how we can control that process. This class will prepare students to excel at the rest of their schooling and better prepare them to take on leadership roles.

Content and Methods: Both a lecture and lab class, students will not only study methods to increase creative thinking but will practice what they are studying via short projects.

Evaluation and Grading: A mix of formal and informal evaluation. Student projects will be graded not on content but on the quality of idea presented, amount of preparation put into it, and the development of the finished product. Projects will also be critiqued by the rest of the class as a method of building and refining critical thinking skills.

MUSICAL ARTS

9001

MUSIC 1

Grades 9, 10, 11, 12 / 1 Semester / .50 Credit

NOTE: *Music 1 can only be taken as a student's FIRST music course at St. X. Once a student takes another class in the music discipline, he is no longer eligible to enroll in Music 1.*

Goals and Objectives: A general music course intended for students with little to no experience reading music and playing instruments. The course provides an overview and introduction of the elements of music and musical performance.

Content and Methods: The course will introduce students to musical concepts including melody, harmony, rhythm, pitch, tempo, dynamics, and musical instruments. Material will be presented through verbal presentations, audio and visual examples, and practical application on the piano, ukulele, and percussion instruments.

Evaluation and Grading: Students will be graded through written exams, instrumental performance assignments, concert observations, and in-class participation.

9002

MUSIC 2

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisite: Completion of Music 1 or instructor approval in specific cases.

Goals and Objectives: This general music course is a survey of music in which students will study various styles of music with a historical perspective.

Content and Method: In this class students will explore the eras of music, families of instruments, and the life and music of famous composers, including Bach, Mozart, and Beethoven. Students will listen to recordings of famous pieces and concerts, and will participate in class discussions.

Evaluation and Grading: Students will be evaluated and graded through exams, essays, projects, concert observations, and class participation.

9005

AP MUSIC THEORY

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Instructor approval

Goals and Objectives: The goal of the course is to enable students to understand the architecture of music through analysis and listening. An additional goal of the course is to provide the student with the appropriate skills to score high enough on the AP Music Theory Exam to gain college credit upon entering the university setting.

Content and Methods: Coverage throughout the year includes but is not limited to scales, keys, intervals, form, and analysis. Students will also exercise and enhance their aural skills and will eventually be able to dictate and identify intervals and chords by listening to music played.

Evaluation and Grading: Grades and evaluations are based upon homework, quizzes, exams, and dictation.

9010

FINE ARTS COURSE DESCRIPTIONS

JAZZ BAND

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of any level Band or instructor approval in specific cases.

Goals and Objectives: This class will serve as an introduction to the rich history of jazz music. Through ensemble rehearsal, individual practice, and a variety of performance opportunities, the student will gain an understanding and appreciation for this great art form.

Content and Methods: Emphasis will be placed on not just performance technique, but also rudimentary improvisational skills, musicianship, and a sense of personal accountability. This ensemble is a skilled effort in which each student is expected to show technical and musical growth throughout this course. Material will be presented through verbal presentations, audio, and visual examples.

Evaluation and Grading: Students will be graded through written exams, instrumental performance assignments, concert observations, and in-class participation.

9011

BAND 1

Grades 9, 10, 11, 12 / 1 Semester / .50 Credit

Meets concurrently with Band 2.

Goals and Objectives: To begin or continue to develop individual instrumental performance skills and techniques through the successful study, preparation, and performance of a varied repertoire of concert band music.

Content and Methods: This course will provide a large ensemble setting for students who wish to begin or continue to develop their own instrumental skill on a woodwind, or brass instrument, or as a percussionist. Development of basic musicianship and playing skills will be emphasized throughout the semester as we rehearse and prepare band repertoire for performance. Concert/s and performance for graduation (2nd semester) are required events for this course.

Evaluation and Grading: Students will be evaluated and graded on rehearsal participation, scale tests, band repertoire performance quizzes, solo performances for the class, and concert performances.

9012

BAND 2

Grades 10, 11, 12 / 1 Semester / .50 Credit

Meets concurrently with Band 1.

Prerequisite: Completion of Band 1 or instructor approval in specific cases.

Goals and Objectives: To further develop individual instrumental performance skills and techniques through the successful study, preparation, and performance of a varied repertoire of concert band music.

Content and Method: Students will continue to develop their individual instrumental technique and performance skills and further develop musicianship through rehearsal and preparation of band repertoire for performance. Students

will also study individual solo pieces for performance within the class. Concert/s and performance for graduation (2nd semester) are required events for this course.

Evaluation and Grading: Students will be evaluated and graded on rehearsal participation, scale tests, band repertoire performance quizzes, solo performances for the class, and concert performances.

9014

BAND 3

Grade 11, 12 / 1 Semester / .50 Credit

Meets concurrently with Band 4.

Prerequisites: Completion of Band 1 and 2, or instructor approval in specific cases.

Goals and Objectives: To further develop individual instrumental performance skills and techniques through the successful study, preparation, and performance of a varied repertoire of concert band music.

Content and Method: Students will continue to develop their individual instrumental technique and performance skills and further develop musicianship through rehearsal and preparation of band repertoire for performance. Students will also study individual solo pieces for performance within the class. Concert/s and performance for graduation (2nd semester) are required events for this course.

Evaluation and Grading: Students will be evaluated and graded on rehearsal participation, scale tests, band repertoire performance quizzes,

FINE ARTS COURSE DESCRIPTIONS

solo performances for the class, and concert performances.

9009

BAND 4

Grade 12 / 1 Semester / .50 Credit

Meets concurrently with Band 3.

Prerequisites: Completion of Band 1, 2, and 3, or instructor approval in specific cases.

Goals and Objectives: To further develop individual instrumental performance skills and techniques through the successful study, preparation, and performance of a varied repertoire of concert band music.

Content and Method: Students will continue to develop their individual instrumental technique and performance skills and further develop musicianship through rehearsal and preparation of band repertoire for performance. Students will also study individual solo pieces for performance within the class. Concert/s and performance for graduation (2nd semester) are required events for this course.

Evaluation and Grading: Students will be evaluated and graded on rehearsal participation, scale tests, band repertoire performance quizzes, solo performances for the class, and concert performances.

9013

PERCUSSION ENSEMBLE

Grade 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Band 1 or instructor approval in specific cases.

Goals and Objectives: To further develop individual instrumental performance skills and techniques through the successful study, preparation, and performance of a varied repertoire of concert band music.

Content and Method: Students will continue to develop their individual instrumental technique and performance skills and further develop musicianship through rehearsal and preparation of band repertoire for performance. Students will also study individual solo pieces for performance within the class. Concert/s and performance for graduation (2nd semester) are required events for this course.

Evaluation and Grading: Students will be evaluated and graded on rehearsal participation, scale tests, band repertoire performance quizzes, solo performances for the class, and concert performances.

9015

CHOIR 1

Grades 9, 10, 11, 12 / 1 Semester / .50 Credit

Meets concurrently with Choir 2 and 3.

Goals and Objectives: To successfully prepare choral repertoire from a variety of musical styles and periods by learning the basic skills of musical performance and vocal health in a rehearsal setting.

Content and Methods: The course will focus on learning and preparing musical repertoire for concert performances throughout the semester. While no prior experience is

necessary, students will be expected to increase their musical reading and performance skills through exercises provided by the instructor, and through consistent progress in rehearsals.

Evaluation and Grading: Students will be evaluated via written quizzes, sight-reading exercises, memorization checks, musical content checks, in-class participation, and concert performances.

9016

CHOIR 2

Grades 10, 11 12 / 1 Semester / .50 Credit

Meets concurrently with Choir 1 and 3.

Prerequisites: Completion of Choir 1.

Goals and Objectives: To successfully prepare choral repertoire from a variety of musical styles and periods by learning the skills of musical performance and vocal health in a rehearsal setting.

Content and Methods: The course will focus on learning and preparing musical repertoire for concert performances throughout the semester. Students will be expected to increase their musical reading and performance skills through exercises provided by the instructor, and through consistent progress in rehearsals.

Evaluation and Grading: Students will be evaluated via written quizzes, sight-reading exercises, memorization checks, musical content checks, in-class participation, and concert performances.

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9017

CHOIR 3

Grades 10, 11, 12 / 1 Semester / .50 Credit

Meets concurrently with Choir 1 and 2.

Prerequisites: Completion of Choir 1 and Choir 2.

Goals and Objectives: To successfully prepare choral repertoire from a variety of musical styles and periods by learning the skills of musical performance and vocal health in a rehearsal setting.

Content and Methods: The course will focus on learning and preparing musical repertoire for concert performances throughout the semester. Students will be expected to increase their musical reading and performance skills through exercises provided by the instructor, and through consistent progress in rehearsals.

Evaluation and Grading: Students will be evaluated via written quizzes, sight-reading exercises, memorization checks, musical content checks, in-class participation, and concert performances.

9021

GUITAR 1

Grades 9, 10, 11, 12 / 1 Semester / .50 Credit

Goals and Objectives: The goal of the Guitar 1 class is to establish the fundamentals of acoustic guitar playing, note reading, and an understanding of the construction of scales and chords.

Content and Methods: Students will perform as a class once a quarter at school functions. Class time will be focused on practicing fundamentals and rehearsing ensemble repertoire.

Evaluation and Grading: Students will make video recordings of themselves to submit for grading and will also be expected to perform individually or as a small ensemble.

9022

GUITAR 2

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Guitar 1 or instructor approval in specific cases.

Goals and Objectives: The goal of the guitar 2 class is to provide students the experience of playing acoustic guitar in an ensemble and to develop their individual playing ability.

Content and Methods: Students will perform as a class once a quarter at school functions. Class time will be focused on practicing fundamentals and rehearsing ensemble repertoire. Students will also be expected to show progress in their ability to interpret and perform solo pieces.

Evaluation and Grading: Students will make video recordings of themselves to submit for grading and will also be expected to perform individually or as a small ensemble.

9023

GUITAR 3

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Guitar 1 and/or Guitar 2 or instructor approval in specific cases.

Goals and Objectives: The goal of the Guitar 3 class is to provide students the experience of playing guitar in an advanced ensemble, to develop the student's playing ability, and to discuss options for future musical growth.

Content and Methods: This class will include repertoire and performance opportunities designed to assist the guitarist in meeting their musical goal. Students will perform as a class once a quarter at school functions. Class time will be focused on practicing fundamentals and rehearsing ensemble repertoire.

Evaluation and Grading: Students will make video recordings of themselves to submit for grading and will also be expected to perform individually or as a small ensemble.

9024

STRINGS 1

Grades 9, 10, 11, 12 / 1 Semester / .50 Credit

Goals and Objectives: The goal of the Strings 1 class is to provide students the experience of playing a violin, viola, cello, or bass in an ensemble and to develop their individual playing ability.

Content and Method: Students will perform as a class once a quarter at school functions. Class time will be focused on practicing fundamentals and rehearsing ensemble repertoire.

Evaluation and Grading: Students will make video recordings of

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themselves to submit for grading and will also be expected to perform individually or as a small ensemble.

9025

STRINGS 2

Grades 10, 11, 12 / 1 Semester / .50 Credit

Meets concurrently with Strings 3.

Prerequisites: Completion of Strings 1 or instructor approval in specific cases.

Goals and Objectives: The goal of the Strings 2 class is to provide students the experience of playing a violin, viola, cello, or bass in an advanced ensemble, to develop the student's playing ability, and to discuss options for future musical growth.

Content and Methods: Students will perform as a class once a quarter at school functions. Class time will be focused on practicing fundamentals and rehearsing ensemble repertoire. Students will also be expected to show progress in their ability to interpret and perform solo pieces.

Evaluation and Grading: Students will make video recordings of themselves to submit for grading and will also be expected to perform individually or as a small ensemble.

9026

STRINGS 3

Grades 10, 11, 12 / 1 Semester / .50 Credit

Meets concurrently with Strings 2.

Prerequisites: Completion of Strings 1 and/or Strings 2 or instructor approval in specific cases.

Goals and Objectives: The goal of the Strings 3 class is to provide students the experience of playing a violin, viola, cello, or bass as leaders in an advanced ensemble, to develop the student's playing ability, and to discuss options for future musical growth.

Content and Methods: Students will perform as a class once a quarter at school functions. Class time will be focused on practicing fundamentals and rehearsing ensemble repertoire. Students will also be expected to show progress in their ability to interpret and perform solo pieces.

Evaluation and Grading: Students will make video recordings of themselves to submit for grading and will also be expected to perform individually or as a small ensemble.

9028

STRINGS 4

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Strings 3 or instructor approval in specific cases.

Goals and Objectives: The goal of the Strings 4 class is to provide students the experience of playing a violin, viola, cello, or bass in an advanced ensemble, to develop the student's playing ability, and to prepare solo repertoire appropriate for future auditions.

Content and Methods: Students will perform as a class at least once a quarter at school functions. Class time will be focused on practicing fundamentals and rehearsing

ensemble repertoire. Students will also be expected to show progress in their ability to interpret and perform solo pieces.

Evaluation and Grading: Students will make video recordings of themselves to submit for grading and will also be expected to perform individually or as a small ensemble.

THEATER ARTS

9031

ACTING 1: What is Acting?

Grades 9, 10, 11, 12 / 1 Semester / .50 Credit

Goals and Objectives: An introduction to the worlds of theater, film and television with an emphasis on the person who stands at the center of all these experiences - the actor. Students will perform from a script, build their improvisational skills, learn to control how they present themselves and gain the invaluable ability to become comfortable being uncomfortable. Class will briefly examine the other elements of the theater as well including directing, set, sound, costume, and lighting design.

Content and Methods: Centering around in class exercises which will include performing scenes from a published script, performing improvisation, and other storytelling techniques.

Evaluation and Grading: Grades are based on performance skills development, completed projects, student critiquing, student effort and teacher assessment of acting projects.

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9032

ACTING 2: Comedy

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Acting 1 or instructor approval in specific cases.

Goals and Objectives: An in-depth study of acting techniques and script analysis, centering around comedy and the principles that drive it. Students will participate in improvisation exercises, scene work, and monologues. Students hone skills in divergent thinking, performing and mastering their own nervous habits which will assist them in many arenas outside of Acting.

Content and Methods: Students participate in multiple acting projects, ranging from simple to more complex throughout the semester. Utilizing short textbook readings, specific comedic terminology and theory is learned and scene analysis principles applied.

Evaluation and Grading: Grades are based on performance skills development, completed projects, handouts on reading, student critiquing and self-evaluation, student effort, and teacher assessment of scene work/acting projects.

9033

ACTING 3: Directing/Playwriting & Shakespeare

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of BOTH Acting 1 and Acting 2 or instructor approval in specific cases.

Goals and Objectives: Challenging scenes provide learning opportunities considerably more difficult than previous studio work.

Content and Methods: Students will not only perform a scene from a Shakespeare play but will also explore directing. Finally, students will direct short scenes written by others in the class.

Evaluation and Grading: Grades are based on performance skill development, completed projects, handouts accompanying acting projects, student critiquing and self-evaluation, student effort, and teacher assessment of scene work/acting projects.

9034

Acting 4: Full Performance

Grade 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Acting 3 or instructor approval.

Goals and Objectives: Students will continue studying Acting technical techniques and elements while being asked to create their own theater company. Through daily studio expression, the Actors and directors will hone skills, which will take them to public performance level presentation. Students will write, produce, stage, and design technically a theatrical piece before a public audience. *If you've never had time to join Theater Xavier but have wanted to perform on stage during high school, let this class fulfill that dream.*

Content and Methods: Daily activities and theater games will provide skill development in emotion, action/reaction, giving and taking,

environment reaction, use of props, vocal characterization, physical characterization, and character development. Increased usage of and understanding of lighting provides experience and enhances technical skills. Working as its own "Production Company", students will manage a production of a theatrical piece from beginning to end, insuring their experience with the following: auditioning, casting, rehearsal techniques, production organization, stage management, costuming, makeup, sound, lighting, advertising, ticketing, and performance to an audience.

Evaluation and Grading: Daily activities and goals will be clearly presented and evaluated by each student. Student cooperation, collaboration, inspiration, and effort are key elements. Successful accommodation of each production stage – from auditioning through opening – will be student evaluated and teacher evaluated. Final evaluation will come from the audience itself.

9041

STAGECRAFT 1

Grades 10, 11, 12 / 1 Semester / .50 Credit

Course description: Students will utilize electric and manual tools, such as drills, circular saws, sanders, and hand saws. Safety and care are essential components of daily classroom activity. Safety equipment will be used and safety practices will be maintained at all times. Students do not need a background in theater for this course.

Prerequisites:

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- Sophomore (to complete Fine Arts requirements) completion of Acting 1 or Drawing 1.
- Sophomore/Junior/Senior - completion of Fine Arts requirements (2 semesters) in ANY genre(s).

Goals and Objectives: Students learn elements of scenic design, methods of props-making, building methods for set creation, how to create set pieces for plays, build models of set designs, and learn painting and lighting techniques. Students will learn about and appreciate the backstage elements, which support theatrical production.

Content and Methods: Building processes will be demonstrated. Students will work with wood/lumber, steel, foam, and other set building products. They will be taught to drill, saw, paint, sketch designs, staple, and nail. Step by step methodology and proficiency are features of their skill development.

Evaluation and Grading: Grading will be based on daily involvement in project building, teacher critiquing during project work, small group work, use of terminology/vocabulary, step by step methods followed, student effort, and final critiquing and evaluation of projects.

9042

STAGECRAFT 2

Grades 10, 11, 12 / 1 Semester / .50 Credit

Course description: Students will utilize electric and manual tools, such as drills, circular saws, sanders, hand saws. Safety and care are essential components of daily classroom activity. Safety equipment will be

used and safety practices will be maintained at all times. Students do not need a background in theater for this course.

Prerequisites: Completion of Stagecraft 1.

Goals and Objectives: Students will explore stage engineering and design work, helping them understand why certain building techniques and materials are used in a number of applications. They will create designs for specific theatrical production. Introduction to the craft of Stage Management features student learning in organization, short-hand stage directions, and cue calling for a production.

Content and Methods: Beginning with metal building techniques in the form of MIG welding, the student will see examples of correct and incorrect metal working, using the skill to engineer steel structures for stage productions. Design will be assisted through reading and research; including books, internet, and conversations with other technical directors from the area. Stage Management will consist of creating a Stage Manager's Book and learning the chain of command and proper backstage form, utilizing text reading from a variety of resource materials.

Evaluation and Grading: Grading will be based on the student's understanding of techniques of theater construction through project work (construction or design), as well as his skill development in collecting research information. Vocabulary terms will be tested, as will proper formulas for engineering and design of stage sets, and set pieces.

VISUAL ARTS

9061

DRAWING 1

Grades 9, 10, 11, 12 / 1 Semester / .50 Credit

Goals and Objectives: This course deals with the fundamental elements and principles of visual art. Students will learn how to identify and understand line, space, and form, as well as develop observational accuracy through drawing. Students will experiment with a variety of techniques including contour line drawing and value. This course will help to develop an understanding of the physical characteristics and limits of grounds, media, and the rules of composition.

Content and Methods: By breaking drawing down to its simplest elements, students will build a strong visual foundation. Students will create drawings from direct observation, as well as drawings that replicate existing imagery. Emphasis is placed on proper usage of drawing mediums and development of technical and observational skills.

Evaluation and Grading: An assessment of student performance in the course will be based on class work, development, handling of materials, preparation for project work, finished works, and student research. Grading criteria consists of work ethic, participation, attendance, craftsmanship, creativity and aesthetic development, idea development, exploration, studio awareness, and project deadlines.

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9062

DRAWING 2

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Drawing 1 or instructor approval in specific cases.

Goals and Objectives: This course allows students to further develop the elements and principles of visual art. This course allows students to create with new and different artistic mediums, such as ink, charcoal, marker, colored pencil, collage, etc. Students are encouraged to continue to push their technical abilities, while also expanding their creative output. This course will also teach students the proper ways to critique works of art, both orally and in written form.

Content and Methods: Students will focus on the continued development of observational drawing skills and the exploration and study of composition. Students will begin to build creative themes and ideas with more involved techniques and advanced processes. The class is a working studio. Demonstration, lecture, history, and critique are all integral methods used in the studio setting.

Evaluation and Grading: An assessment of student performance in the course will be based on class work, development, handling of materials, preparation for project work, finished works, and student research. Grading criteria consists of work ethic, participation, attendance, craftsmanship, creativity and aesthetic development, idea development, exploration, studio awareness, and project deadlines.

9063

DRAWING 3

Grades 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of BOTH Drawing 1 and Drawing 2 or instructor approval in specific cases.

Goals and Objectives: This course is designed specifically for the student who has achieved a level of proficiency in drawing and is interested in pursuing more complex work in this area. The emphasis of the course will be on building specific drawing skills, understanding and executing more complex compositions, building creative themes and ideas, manipulating various materials, and practicing more involved techniques.

Content and Methods: Content focuses on continued exploration and study of compositional elements and principles. Students will work with a wide range of subject matter: self-portrait, figures drawn from photographic sources, imaginary figures, literal landscape, dreamscape, abstraction, collage, etc. Students will also be exposed to a large variety of techniques and media: decollage, foreshortening, multiple perspectives, digital work, print techniques, etc. The class is a working studio. Demonstration, lecture, history, and critique are all integral methods used in the studio setting.

Evaluation and Grading: An assessment of student performance in the course will be based on class work, development, handling of materials, preparation for project work, finished works, and student research. Grading criteria consists of work ethic, participation, attendance,

craftsmanship, creativity and aesthetic development, idea development, exploration, studio awareness, and project deadlines.

9064

AP DRAWING STUDIO

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Completion of BOTH Drawing 1 and Drawing 2, OR Drawing 1 and 2D Design AND instructor approval. See Mr. Mosley (room 2255) if you are interested in taking this course.

Goals and Objectives: This is a college level drawing course. This course is designed specifically for the very talented and industrious students of art, who are seriously interested in the practiced experience of drawing. Line quality, light and shade, rendering of form, composition, surface manipulation, exploration of different media, the illusion of depth, and mark-making are all addressed. Students are required to practice, experiment, and revise a Sustained Investigation that revolves around a specific drawing concern. Students will also work to develop a portfolio of artwork that meets the requirements of college applications.

Content and Methods: Students selected for this class need to be aware that AP work involves significantly more commitment and accomplishment than the typical studio art course. The content for this course follows requirements set forth by the Advanced Placement College Board and deals specifically in two areas: Section I *Selected Works*, Section II *Sustained Investigation*. The *Selected*

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Works section requires that the student exhibit the ability to make choices based on the total work of art – the concept, composition, and technical skills demonstrated, and the realization of the artist’s intentions. The *Sustained Investigation* section requires that the student demonstrate a depth of sustained investigation through an arena of personal choice, a particular idea developed and expressed visually.

Evaluation and Grading: Grading will be based on assigned projects, creative output, and a final portfolio. Grading criteria consists of work ethic, idea development and exploration, aesthetic development, creativity, participation, and craftsmanship.

9065

2D DESIGN

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Drawing 1 or instructor approval in specific cases.

Goals and Objectives: In this class, students will be introduced the core concepts of visual design – visual elements, principles of design, picture plane, figure/ground relationships, scale and proportional transformation, patterning, composition, value, color, methods for conveying time, and spatial illusion. Using a wide variety of materials and methods, students are encouraged to develop their own design vocabulary and repertoire of practical techniques. Composition issues and strategies valid in all areas of visual design and the visual arts are explored through examples, exercises, critiques, and projects.

Content and Methods: *Materials:*

Students will use traditional and new techniques, including but not limited to paper and pencil, printmaking, collage, screening, and computer illustration. *Method:* The class will progress from simple composition and image creation exercises to fully realized design-based projects. Drawing and rendering skills are helpful but not required; an interest in the visual language of design and creativity is a must.

Evaluation and Grading: An assessment of student performance in the course will be based on class work, development, handling of materials, preparation for project work, finished works, and student research. Grading criteria consists of work ethic, participation, attendance, craftsmanship, creativity and aesthetic development, idea development, exploration, studio awareness, and project deadlines.

9066

GRAPHIC DESIGN

Grade 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of BOTH Drawing 1 and 2D Design.

Goals and Objectives: In this class, students will continue to develop and enhance the design vocabulary and techniques learned in 2D Design. Projects completed will range from simple design assignments to complete identity packages developed within formal yet creatively accessible constraints. Students will present multiple solutions to each assignment, and then complete the assignments based on feedback from the teacher, who will act as a “real-life” client of the student.

Content and Methods: *Materials:*

Students will use traditional and new techniques, including but not limited to paper and pencil, collage, and computer illustration. *Method:* The class will progress from simple composition and image creation exercises to fully realized design-based projects. Example assignments include a complete business identity, a web-based portfolio, as well as formal explorations of design problems.

Evaluation and Grading: Assessment of student performance in the course will be based on class work, development, handling of materials, preparation for project work, finished works, and student research. Grading criteria consists of work ethic, participation, attendance, craftsmanship, creativity and aesthetic development, idea development, exploration, studio awareness, and meeting project deadlines.

9067

AP 2D DESIGN STUDIO

Grade 11, 12 / 2 Semesters / 1 Credit

Prerequisites: Completion of BOTH Drawing 1 and 2D Design OR Drawing 1 and Drawing 2, AND instructor approval. See Mr. Mosley (room 2255) if you are interested in taking this course.

Goals and Objectives: This is a college level design course. This course is designed specifically for the very talented and industrious students of art, who are seriously interested in the practiced experience of visual design. This course revolves around creating artwork on a two-dimensional ground, but not

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necessarily limited to practice of drawing. Students are asked to demonstrate understanding through any two-dimensional medium or process, including, but not limited to, mixed media, graphic design, digital imaging, photography, collage, fashion design, illustration, drawing, painting, and printmaking. Students are required to practice, experiment and revise a Sustained Investigation that revolves around a specific design concern. Students will also work to develop a portfolio of artwork that meets the requirements of college applications.

Content and Methods: Students selected for this class need to be aware that AP work involves significantly more commitment and accomplishment than the typical studio art course. The content for this course follows requirements set forth by the Advanced Placement College Board and deals specifically in two areas: Section I *Selected Works*, Section II *Sustained Investigation*. The *Selected Works* section requires that the student exhibit the ability to make choices based on the total work of art – the concept, composition, and technical skills demonstrated, and the realization of the artist's intentions. The *Sustained Investigation* section requires that the student demonstrate a depth of sustained investigation through an arena of personal choice, a particular idea developed and expressed visually.

Evaluation and Grading: Grading will be based on assigned projects, creative output, and a final portfolio consisting of works in three major areas: *Quality*, *Concentration*, and *Breadth*. Grading criteria consists of work ethic, idea development and

exploration, aesthetic development, creativity, participation, and craftsmanship.

9068

PHOTOGRAPHY

Grade 11, 12 / 1 Semester / .50 Credit

Note: *Cameras are NOT provided. Each student must have or have access to a 35mm film camera that has manual focus, manual metering, and manual adjustments for both aperture and shutter speed. Students must also have or have access to a Digital Camera that has manually adjustable settings and is capable of taking at least 5 mega pixel digital photographs.*

Prerequisites: Completion of Fine Arts requirements (2 semesters) in ANY genre.

Goals and Objectives: This course is designed to teach the fundamental skills and basic techniques in photography. It focuses on the practical aspects of photography from composing and capturing the image, to processing the negatives, and finally developing the final print. Special emphasis will be placed upon aesthetic and visual concerns as well as craftsmanship. The course covers both traditional black and white darkroom photography, as well as contemporary digital photography. One half of the course will be based on a basic understanding and operation of the 35mm film loaded camera, the lens, the shutter, film types, film exposure, black and white film development, the negative, making the print, and using the darkroom and darkroom equipment. In the other half of the course, the students will use digital photography

to produce interesting and creative artwork based on conceptual idea development. They will work with image editing software programs such as Photoshop, to enhance and manipulate photographs, as well as to understand and solve graphic design issues.

Content and Methods: Emphasis is placed on the application of technique in terms of personal expression, through the selection and composition of subject matter. Class size is limited to dark room spaces, providing for a greater degree of individual critique and classroom participation. The course comprises technical lectures, darkroom demonstrations, as well as class critiques. The majority of the photographs for this course are taken outside of class time, which means that the students must devote time after school and on weekends to producing photographs.

Evaluation and Grading: An assessment of student performance in the course will be based on class work, development, handling of materials, preparation for project work, finished works, and student research. Grading criteria consists of work ethic, participation, attendance, craftsmanship, creativity and aesthetic development, idea development, exploration, studio awareness, and project deadlines.

9069

PAINTING

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites: Completion of Fine Arts requirements (2 semesters) in ANY genre.

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Goals and Objectives: This course deals with the use of paint as an artistic form of expression and visual communication. Emphasis is placed on acrylic and oil. The primary aim of the course is to teach students – even those who have never painted before – fundamental painting techniques. Students will learn to control the painter’s materials, relate color, manipulate the perception of two and three-dimensional space, and also develop a basic vocabulary with regard to the qualities of paintings. Further, the course aims to explore some of the historical and contemporary influences of painting and also allows students to analyze and critique professional works, as well as their own works and the work of their peers.

Content and Methods: This course deals with a large assortment of materials, canvas, various types of pigment, brushes, mediums, etc. Most supplies are provided, however some additional supplies may need to be purchased. Emphasis is on student work, discussion, and critique of the student projects.

Evaluation and Grading: An assessment of student performance in the course will be based on class work and development, finished paintings, and student research. Grading criteria consists of work ethic, participation, attendance, craftsmanship, creativity and aesthetic development, idea development, exploration, studio awareness, and project deadlines.

9070

SCULPTURE

Grades 10, 11, 12 / 1 Semester / .50 Credit

Prerequisites:

- Sophomore (To complete Fine Arts Requirements) - completion of Drawing 1
- Sophomore/Junior (Elective) - completion of Fine Arts requirements (2 semesters) in ANY genre.
- Senior (Elective) - completion of Fine Arts requirements (2 semesters) in ANY genre.

Goals and Objectives: This course is designed specifically to allow students to work toward, experience, and experiment with three-dimensional structure. Students will explore the concept of solid art forms that have height, width, and depth by researching, analyzing, and constructing original sculpture. Students will:

- Understand 3D design principles such as form, structure, volume, visual balance, surface treatment, texture, composition, movement, and scale.
- Develop problem solving techniques and a visual vocabulary through an understanding of the creative process, personal aesthetic, and conceptual intent.
- Refine and develop their own sculptures through working models.
- Experiment with additive, subtractive, constructive, relief, and installation sculptural processes.

Content and Methods: The class deals with the elements of sculpture: form, space, mass, light. From the technical standpoint materials and methods of the sculptor are discussed, studied, and explored. Students will work with experimental and introductory techniques and

materials; they will work with both addition and subtraction methods. Plaster, paper, wood, clay, wire, Styrofoam, and various other materials will be used. Students will be given assignments and be expected to research different artists and methods in order to help them visualize a number of directions in which the assignment might possibly be completed. At pre-announced times during the semester, group critiques will take place and all students are expected to participate in the discussions.

Evaluation and Grading: An assessment of student performance in the course will be based on class work, development, handling of materials, sketches for project work, finished sculptural works, and student research. Grading criteria consists of work ethic, participation, attendance and punctuality, craftsmanship, creativity and aesthetic development, idea development, exploration, studio awareness, and project deadlines.