

# ST. DOMINIC SAVIO CATHOLIC HIGH SCHOOL

## Course Description Catalog 2011 – 2012

### ENGLISH DEPARTMENT

**Department members:** Mrs. Jeri Grady, Chair; Mrs. Pam Otten; Ms. Clare Perkins

**EN 101 | English I: Fundamentals of Literature, Composition and Literary Text Analysis (1.0 credit)**

*Please see the Savio website for Incoming Freshmen Expectations concerning Grammar, Usage and Mechanics.*

English I focuses on the dynamics of language, both oral and written, as an integral part of literary study and composition. Students write an assortment of compositions, such as expository, argumentative, personal, and descriptive. The literary focus is multi-faceted, focusing mostly on basic genres and literary terms and culminating in a literary text analysis in the second semester. A work by Shakespeare and the reading of miscellaneous world novels are additional points of interest.

**EN 102 | Pre-AP English I: Fund. of Literature, Composition Literary Text Analysis (1.0 credit)**

*Prerequisite: Mastery of grammar, usage and mechanics, in particular the ability to write coherent sentences with no fragments, run-ons and comma splices. Please see the Savio website for Incoming Freshmen Expectations.*

English I Pre-AP focuses on the dynamics of language, both oral and written, as an integral part of literary study and composition. Students write an assortment of compositions, such as expository, argumentative, personal, and descriptive. The literary focus is multi-faceted, focusing mostly on basic genres and literary terms and culminating in a literary text analysis in the second semester. A work by Shakespeare and the reading of miscellaneous world novels are additional points of interest. Students will be required to produce more academic work, such as supplemental vocabulary knowledge, essays, and book readings, than the Accelerated class.

**EN 201 | English II: World Literature and Literary Text Analysis (1.0 credit)**

English II focuses on the dynamics of language, both oral and written, as an integral part of literary study and composition. The literary focus spans from the Greco-Roman era to contemporary European time. Literary study culminates in a literary text analysis in the second semester. A work by Shakespeare and the reading of miscellaneous world novels are additional points of interest.

**EN 202 | Pre-AP English II: World Literature and Advanced Literary Text Analysis (1.0 credit)**

*Prerequisite: Grade of A or B in Freshman Pre-AP Course and recommendation of teacher; grade of A in Freshman Course and recommendation of teacher.*

Pre-AP English II focuses on the dynamics of language, both oral and written, as an integral part of literary study and composition. The literary focus spans from the Greco-Roman era to contemporary European time. One new major literary essay is mastered: Literary Text Comparison-Contrast Analysis. Literary study culminates in a literary comparison-contrast text analysis in the second semester. A work by Shakespeare and the reading of miscellaneous world novels are additional points of interest.

Students will be required to produce more academic work, such as supplemental vocabulary knowledge, essays, and book readings, than the Accelerated class.

**EN 301 | English III: American Literature and Advanced Literary Text Analysis (1.0 credit)**

English III focuses on the dynamics of language, both oral and written, as an integral part of literary study and composition. The literary focus is on American writers and their works. One new major literary essay is mastered: Literary Text Comparison-Contrast Analysis. Literary study culminates in a literary comparison-contrast text analysis in the second semester. The reading of miscellaneous world novels is an additional point of interest. College preparation, including resume and admissions essay writing and SAT preparation, is encouraged.

**EN 302 | Pre-AP English III: American Lit. & Advanced Literary Text Analysis (1.0 credit)**

*Prerequisite: Grade of A or B in Sophomore Pre-AP Course and recommendation of teacher; grade of A in Sophomore Course and recommendation of teacher.*

Pre-AP English III focuses on the dynamics of language, both oral and written, as an integral part of literary study and composition. The literary focus is on American writers and their works. The new major literary essay introduced is an analysis of multiple works from either 1) the same literary time period, or 2) some theme that runs through American literature. Literary study culminates in a literary text analysis in the second semester. The reading of miscellaneous world novels is an additional point of interest. College preparation, including resume and admissions essay writing and SAT preparation, is encouraged. Students will be required to produce more academic work, such as supplemental vocabulary knowledge, essays, and book readings, than the Accelerated class.

**EN 401 | English IV: World Novels and Literary Schools of Thought (1.0 credit)**

English IV focuses on the dynamics of language, both oral and written, as an integral part of literary study and composition. The literary focus is on world novelists and their works. Literary study culminates in a literary text analysis in the second semester. College preparation, including resume and admissions essay writing and SAT preparation, is encouraged.

**EN 402 | Pre-AP English IV: World Novels and Literary Schools of Thought (1.0 credit)**

*Prerequisite: Grade of A or B in Junior Pre-AP Course and recommendation of teacher; grade of A in Junior Course and recommendation of teacher.*

Pre-AP English IV focuses on the dynamics of language, both oral and written, as an integral part of literary study and composition. The literary focus is on world novelists and their works. Literary study culminates in a literary text analysis in the second semester. College preparation, including resume and admissions essay writing and SAT preparation, is encouraged. Students will be required to produce more academic work, such as supplemental vocabulary knowledge, essays, and book readings, than the Accelerated class.

## **ENGLISH ELECTIVE OPTIONS:**

### **EN 411 | Creative Writing (1.0 credit)**

*Prerequisite: Open to juniors and seniors only. Grade of A or B in English courses to date.*

Introduction to the principles and techniques of creative writing aimed at developing the creative process. Includes reading and writing exercises in poetry, fiction, and creative nonfiction for contests. Critical evaluation of original works by teacher and peers.

## **MATHEMATICS DEPARTMENT**

**Department members: Mrs. Katie Artzt, Chair; Mrs. Sarah White; Mrs. Emily Jones**

### **MA 101 | Algebra I (1.0 credit)**

*Prerequisite: None*

This course is organized around families of functions, with special emphasis on linear and quadratic functions. Students will learn to represent these functions in multiple ways including verbal descriptions, equations, tables and graphs. Students will learn to model real-world situations using functions to solve problems.

### **MA 102 | Pre-AP Algebra I (1.0 credit)**

*Prerequisite: Student's score on the HSPT or Teacher recommendation*

This course is organized around families of functions, with special emphasis on linear, quadratic and exponential functions. Students will learn to represent these functions in multiple ways including verbal descriptions, equations, tables and graphs. Students will learn to model real-world situations using functions to solve problems and synthesis real-world situations.

### **MA 111 | Mathematical Models (1.0 credit)**

*Prerequisite: Algebra 1*

This course continues to build on the K-8 and Algebra I foundations. Students will use K-8 and algebraic reasoning and skills to recognize patterns and structure, to model information, and to solve problems. They will use multiple representations and technology to model real-world problems and connect them to pure mathematical concepts. Through the mathematics, the student will continue to problem-solve and communicate mathematical principles through proper language and vocabulary strengthening their overall mathematic skills. This course is structured for those students that struggled through Algebra 1 and need a more solid foundation before moving on to Geometry.

### **MA 201 | Geometry (1.0 credit)**

*Prerequisite: Algebra 1*

This course develops reasoning and problem solving skills through applying properties of congruence and similarity, lines, triangles, quadrilaterals, and circles. Students will learn to model real-world situations using length, perimeter, area, circumference, surface area, and volume.

**MA 202 | Pre-AP Geometry (1.0 credit)**

*Prerequisite: Algebra 1 and Teacher recommendation*

This course develops reasoning and problem solving skills through proofs and applying properties of congruence and similarity, lines, triangles, quadrilaterals, and circles. Students will learn to model real-world situations using length, perimeter, area, circumference, surface area, and volume.

**MA 301 | Algebra II (1.0 credit)**

*Prerequisite: Geometry*

This course is organized around families of functions that include linear, quadratic, exponential, logarithmic, radical, and rational functions. Students will learn to represent these functions in multiple ways including verbal descriptions, equations, tables and graphs. Students will learn to model real-world situations using functions to solve problems.

**MA 302 | Pre-AP Algebra II (1.0 credit)**

*Prerequisite: Geometry and Teacher recommendation*

This course is organized around families of functions that include linear, quadratic, exponential, logarithmic, radical, and rational functions. Students will learn to represent these functions in multiple ways including verbal descriptions, equations, tables and graphs. Students will learn to model real-world situations using functions to solve problems and synthesize real-world situations.

**MA 311 | Functions, Statistics, and Trigonometry (1.0 credit)**

*Prerequisite: Algebra 2*

This course emphasizes problem solving, everyday applications, and the use of technology while developing and maintaining basic skills. It integrates statistics, trigonometry and algebra concepts, and previews pre-calculus. Technology is used by student for graphing, algebraic manipulation, modeling and analyzing data, and simulating experiments.

**MA 401 | Pre-Calculus (1.0 credit)**

*Prerequisite: Algebra 2*

This course emphasizes that functions can be grouped into families and that functions can be used as models for real-world behavior. Each function is compared and contrasted with other families of functions. Topics covered are to ensure a firm understanding of functions and their applications in real-world situations.

**MA 402 | Pre-AP Pre-Calculus (1.0 credit)**

*Prerequisite: Algebra 2 and Teacher recommendation*

This course emphasizes that functions can be grouped into families and that functions can be used as models for real-world behavior. Each function is compared and contrasted with other families of functions. Non-routine problems are included to establish the idea that such problems are part of mathematics. Topics covered are to insure students have a strong foundation for AP Calculus.

**MA 503 | AP Calculus AB (1.0 credit)**

*Prerequisite: Pre-Cal and Teacher recommendation*

Calculus AB is designed to be taught over a full high school academic year. The year is devoted to topics in differential and integral calculus. These topics are the focus of the AP Exam.

*Students are required to take the AP Calculus AB exam in May.*

**NATURAL SCIENCE DEPARTMENT**

**Department Members: Sr. Mary Elizabeth Merriam, Chair; Mr. Louie Becerra; Ms. Pamela Koo**

**SC 101 | Biology (1.0 Credit)**

*Prerequisite: None; Corequisite: Algebra I*

In this course, students develop a conceptual framework for modern biology and recognize unifying themes that integrate major topics. Students explore molecules and cells, cellular reproduction and genetics, biochemistry, taxonomy and classification, ecology, and a survey of botany and zoology with the study of the anatomy and physiology of specific organisms. Laboratory activities stress the development of important skills such as detailed observation, accurate recording, experimental design, and data analysis. The course is intended to develop critical thinking skills through research and discussions about issues relating to current advancements in the life sciences. Study in all areas emphasizes the relationship between structure and function, biotic and abiotic, and a systemic approach.

**SC 102 | Pre-AP Biology (1.0 Credit)**

*Prerequisite: Performance on the HSPT and Teacher recommendation; Corequisite: Algebra I* In this course, students develop a conceptual framework for modern biology and recognize unifying themes that integrate major topics. Students explore molecules and cells, cellular reproduction and genetics, biochemistry, taxonomy and classification, ecology, and a survey of botany and zoology with the study of the anatomy and physiology of specific organisms. Laboratory activities stress the development of important skills such as detailed observation, accurate recording, experimental design, and data analysis. The course is intended to develop critical thinking skills through research and discussions about issues relating to current advancements in the life sciences. Study in all areas emphasizes the relationship between structure and function, biotic and abiotic, and a systemic approach.

**SC 111 | Physical Science (1.0 Credit)**

*Prerequisite: Biology; Typically sophomore or junior standing.*

This course, building on K-8 Science and on Biology skills, is designed to provide a solid foundation for the study of the Physical Sciences. Chemistry topics to be investigated include states of matter, atomic structure, arrangement of the periodic table, bonding, and chemical reactions. An introduction to the Physics topics of force and motion, work, conservation and transformation of energy, and waves is also included. The course is structured for those students who struggled through Biology and/or Algebra I and need a more secure basis before moving on to Chemistry or Physics.

**SC 201 | Chemistry (1.0 Credit)**

*Prerequisite: Biology and Algebra I; Corequisite: Geometry.*

This course covers central themes of chemistry building upon a conceptual framework with applied problem solving. Topics include states of matter, atomic theory and structure, arrangement of the periodic table, bonding, chemical equations, stoichiometry, acids and bases, reaction kinetics, chemical equilibrium, and oxidation-reduction reactions as well as organic and nuclear chemistry. Both theoretical and practical knowledge will be emphasized using a combination of factual and analytical assignments and laboratory experiments.

**SC 202 | Pre-AP Chemistry (1.0 Credit)**

*Prerequisite: Biology, Algebra I, and Teacher recommendation; Corequisite: Geometry.*

This course covers central themes of chemistry building upon a conceptual framework with applied problem solving. Topics include states of matter, atomic theory and structure, arrangement of the periodic table, bonding, chemical equations, stoichiometry, acids and bases, reaction kinetics, chemical equilibrium, and oxidation-reduction reactions as well as organic and nuclear chemistry. Both theoretical and practical knowledge will be emphasized using a combination of factual and analytical assignments and laboratory experiments.

**SC 211 | Anatomy and Physiology (1.0 Credit)**

*Prerequisite: Biology and Algebra I; Corequisite: Geometry.* This course is designed as an intense program in human anatomy and physiology. The areas covered will include medical terminology, basic bio-chemistry, cell and tissue structure, and an in-depth study of the eleven systems of the human body (integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary, and reproductive).

**SC 301 | Physics (1.0 Credit)**

*Prerequisite: Chemistry, Algebra I, Geometry; Corequisite: Algebra II. Recommended Corequisite: Pre-Calculus.*

This course undertakes a study of core physics content combining a conceptual foundation with applied mathematics with less mathematical rigor and content depth than the AP Physics B course. The course is comprised of five major divisions spanning both classical and modern physics: Newtonian mechanics, fluid mechanics and thermal physics, waves and optics, electricity and magnetism, and atomic and nuclear physics. Both theoretical and practical knowledge are emphasized using a combination of analytical assignments and student-conducted hands-on laboratory experiments. Students are required to keep a laboratory notebook and write several formal laboratory reports. This course may be used as a terminal physics course or as a preliminary course to be followed by the more intense AP Physics B.

**SC 433 | AP Physics B (1.0 Credit)**

*Prerequisite: Chemistry, Algebra I, Geometry, Algebra II, and teacher recommendation.*

*Recommended: Physics; Corequisite: Pre-Calculus.*

AP Physics B is a rigorous college-level algebra-based course for students interested in entering an applied or life science field or a non-science program which has science requirements. This course is also excellent preparation for calculus-based physics sequences typically required for those pursuing

physical science and engineering disciplines. Incoming students should be well-versed in algebra and trigonometry and have robust mathematical and problem solving skills. Some basic calculus concepts are introduced and utilized. Proceeding in a systematic manner, AP Physics B develops conceptual foundations, stresses application of core principles, and cultivates critical thinking. The course is comprised of five major divisions spanning both classical and modern physics: Newtonian mechanics, fluid mechanics and thermal physics, waves and optics, electricity and magnetism, and atomic and nuclear physics. Both theoretical and practical knowledge are emphasized using a combination of analytical assignments and student-conducted hands-on laboratory experiments. Students are required to keep a laboratory notebook and write several formal laboratory reports. Students who excel in both mathematics and science may enter this course directly after chemistry; those who would benefit from further foundational studies are encouraged to take Physics prior to this course.

Students are required to take the AP Physics B exam in May.

## **SOCIAL SCIENCE DEPARTMENT**

**Department Members: Mrs. Tina Uebersax, Chair; Mr. Morgan Daniels**

### **SS 101 | World Geography (1.0 credit)**

*Prerequisite: None*

World Geography is a multicultural, cross-disciplinary course designed to provide an accurate and complete view of the ever-changing world of which we are all a part. The course emphasizes physical geography (e.g., climate, earth processes, etc.) and human geography (e.g., world cultures, religions, beliefs, customs, economics development, etc.) Significant importance is placed on cultural understanding, map locations, critical thinking issues, usage of the Internet in research, and problem solving skills. Use of maps and spatial data, understanding and interpretation of data, defining and evaluating data, primary source work and essay writing are essential components of the course.

### **SS 201 | World History (1.0 credit)**

*Prerequisite: None*

World History is a survey course with the purpose of developing a greater understanding of the historical development of global processes and contacts in the interaction of different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The periods of the course include: Foundations to 600 C.E., 600-1450, 1450-1750, 1750-1914, and 1914- Present.

### **SS 203 | AP World History (1.0 credit)**

*Prerequisite: A combination of two of the following: an A in 9<sup>th</sup> grade Geography, Teacher Recommendation and 53 or higher Critical Reading on PSAT.*

The Advance Placement World History course is a challenging survey course whose purpose is to develop a greater understanding of the historical development of global processes and contacts in the interaction of different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The periods of the course include: Foundations to 600 C.E., 600-1450, 1450-1750, 1750-1914, and 1914- Present. For each time period, knowledge of major developments that illustrate or link the

six thematic areas with the major civilizations in Africa, the Americas, Asia and Europe is expected. Students are required to take the AP World History exam in May.

**SS 301 | United States History (1.0 credit)**

*Prerequisite: None*

United States History is a survey course that helps students develop a greater understanding of the historical developments from reconstruction to the present. Students will cover a variety of topics including reconstruction, the great immigration at the turn of the 20th century, the impact of manufacturing, the creation of unions, the rise of the women’s and civil rights movements and how the U.S. became a modern nation.

**SS 303 | AP United States History (1.0)**

*Prerequisite: A combination of two of the following: at least a B+ in Pre-AP World History, Teacher Recommendation and 53 or higher Critical Reading on PSAT.*

The Advance Placement United States History is a college level course. The course is a challenging survey course whose purpose is to develop a greater understanding of the historical developments in the United States from the Pre-Columbian era to the present. For each unit, knowledge of major developments are illustrated and linked to the following themes present in U.S. History.

American Diversity	Globalization
American Identity	Politics and Citizenship
Culture	Reform
Demographic Changes	Religion
Economic Transformations	Slavery and Its Legacies in North American
Environment	War and Diplomacy

Students are required to take the AP United States History exam in May.

**SS 401 | United States Government (.5 credit)**

*Prerequisite: None*

United States Government will focus on the various institutions, groups, beliefs, and ideas that constitute United States politics. Students will gain an analytical perspective on government and politics in the United States both by studying the general concepts used to interpret U. S. politics and by analyzing specific examples. Students will learn how to analyze and interpret basic data relevant to U. S. government and politics and will write extensively to perfect their essay writing and critical thinking skills.

**SS 402 | Pre-AP United States Government (.5 credit)**

*Prerequisite: A combination of two of the following: at least a C in AP United States History or A in United States History, Teacher Recommendation and 53 or higher Critical Reading on PSAT.*

United States Government will focus on the institutions, groups, beliefs, and ideas that constitute United States politics. Students will gain an analytical perspective on government and politics in the United States. They will analyze the U.S. Constitution, as well as other important documents that have shaped U. S. politics. They will examine Supreme Court cases through out U.S. History and evaluate their impact

on government. Students will analyze, interpret and evaluate data relevant to U. S. government and politics. Essay writing and critical thinking skills are essential to this course.

### **SS 411 | Economics (.5 credit)**

*Prerequisite: None*

Economics will focus on giving the students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics.

### **SS 412 | Pre-AP Economics (.5 credit)**

*Prerequisite: A combination of two of the following: a B+ or higher in Pre-AP United States Government, Teacher Recommendation and 53 or higher Critical Reading on PSAT.*

Economics will focus on giving the students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics.

### **SOCIAL SCIENCE ELECTIVE OPTIONS:**

#### **SS 421 | Psychology (.5 credit)**

*Prerequisite: 10<sup>th</sup>-12<sup>th</sup> grade only*

This course is designed to give the student an introduction into the field of psychology. Areas covered will include but are not limited to: learning theory, human development, the senses, learning, motivation and emotion, memory, intelligence, and psychological disorders.

## **THEOLOGY DEPARTMENT**

**Department Members: Mr. Tom Perna, Chair; Fr. Daniel Liu; Mr. Casey Truelove**

The Theology Department at St. Dominic Savio Catholic High School follows the Diocese of Austin in accordance with the United States Conference for Catholic Bishops High School Curriculum. The curriculum is Christocentric in nature, which means each of the courses has a specific focus on Jesus Christ and is composed of a four-year, eight semester catechetical development where each course builds on the foundation of the previous course. Each course will help the maturation of the students in the Catholic faith through unique conversations and experiences.

#### **TH 101 | Theology I (1.0 credit)**

*Semester 1: "The Revelation of Jesus Christ in Scripture" (Old Testament)*

This course will provide students a general knowledge and appreciation of Sacred Scripture. Through the study of the Bible, students will come to encounter the living Word of God, Jesus Christ. Students will

learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each.

Semester 2: *"Who is Jesus Christ?" (New Testament)*

This course will introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. Through this course, students will understand that Jesus Christ is the fullness of revelation to us from God. In learning about who Jesus is, the students will also learn who He calls them to be. Particular attention to the Gospels will be given, so that students may grow to know and love Jesus Christ more personally.

### **TH 201 | Theology II (1.0 credit)**

Semester 1: *"The Mission of Jesus Christ The Paschal Mystery" (Christology)*

This course will help students understand all that God has done for us through his Son, Jesus Christ. Students will learn that for all eternity, God has planned for us to share eternal happiness with Him, and that this is brought about through the act of redemption. Students will learn further that they share in this redemption only in and through Jesus Christ. Finally, they will be introduced to what it means to be a disciple.

Semester 2: *"Jesus Christ's Mission Continues in the Church" (Ecclesiology)*

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

**Note:** The 2011-2012 school year will be the second year in the process of implementing the new Diocesan Theology curriculum. During the 2010-2011 school year, Catholic Morality was offered to both the sophomores and juniors. In the new curriculum, it is offered in the junior year along with the Sacraments. Therefore, for the 2011-2012 school year, the course on Christology and Ecclesiology will be taught to both sophomores and juniors.

### **TH 301 | Theology III (1.0 credit)**

Semester 1: *"The Mission of Jesus Christ The Paschal Mystery" (Christology)*

This course will help students understand all that God has done for us through his Son, Jesus Christ. Students will learn that for all eternity, God has planned for us to share eternal happiness with Him, and that this is brought about through the act of redemption. Students will learn further that they share in this redemption only in and through Jesus Christ. Finally, they will be introduced to what it means to be a disciple.

Semester 2: *"Jesus Christ's Mission Continues in the Church" (Ecclesiology)*

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

### **TH 401 | Theology IV (1.0 credit)**

Semester 1: *"The Old Testament reveals Jesus Christ" (Scripture)*

This course will offer high school students a comprehensive overview of the major themes, lessons, and people of the Old Testament. It covers the story of salvation from many perspectives including both the Catholic understanding of the scripture and how the original hearers of God's Word understood its meaning. The course shows Jesus Christ prefigured in the Old Testament, especially as Messiah and Savior, and chronicles the role of the Church in interpretation of scripture. It represents the Church as foreshadowed from the beginning of creation and prepared for in a remarkable way through the history of the people of Israel and by means of the Old Covenant.

Semester 2: *"Responding to the Call of Jesus" (Vocations)*

This course will help students understand the vocation of life: how Jesus Christ calls us to live. In this course, students are taught how all vocations are similar and how they differ. The course is structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live for the benefit of others and the value in considering a vocation in service to the Christian community.

**Note:** The first semester senior course will cover mainly how the Old Testament reveals Jesus Christ; however, the course will cover Christology and Ecclesiology as well so the seniors receive elements of the new curriculum framework.

## **WORLD LANGUAGES DEPARTMENT**

**Department members: Mrs. Beatriz Pojman, Chair; Ms. Shelley Marcos; Mr. Miguel Barrera; Ms. Yanli Cao**

### **WL 111 | Spanish I (1.0 credit)**

This course is the first level of high school Spanish. Beginning-level grammar and vocabulary are taught, as well as basic reading and writing skills in Spanish. In addition, the cultures of Spanish-speaking countries are taught: their history, art, music, and cuisine. Students will work on reading and writing as well as increase their communication skills in everyday conversational language suitable for this level. As much as possible, Spanish will be used in the classroom.

Finally, our Catholic faith will be incorporated as much as possible in our lessons, and students will learn Catholic prayers such as the Hail Mary, the Our Father, and the Glory Be, among others.

### **WL 112 | Pre-AP Spanish I (1.0 credit)**

Prerequisite: Previous Spanish experience or a better than average score on the language section of the HSPT.

This course description is the same as the Spanish I course listed above. The Pre-AP level however demands a deeper understanding and faster processing for success. The Pre-AP course will move quicker and complete more projects throughout the year.

### **WL 211 | Spanish II (1.0 credit)**

*Prerequisite: Spanish I*

This course is the second level of high school Spanish. It assumes a basic knowledge of beginning-level

Spanish. Intermediate-level grammar and vocabulary are taught, as well as intermediate reading and writing skills in Spanish. In addition, the cultures of Spanish-speaking countries are taught: their history, art, music, and cuisine. As much as possible, Spanish will be used in the classroom. Finally, our Catholic faith will be incorporated as much as possible in our lessons, and students will learn Catholic prayers such as the Hail Mary, the Our Father, and the Glory Be, among others.

**WL 212 | Pre-AP Spanish II (1.0 credit)**

*Prerequisite: Pre-AP Spanish I or Spanish I and a Teacher recommendation*

This course description is the same as the Spanish II course listed above. The Pre-AP level however demands a deeper understanding and faster processing for success. The Pre-AP course will move quicker and complete more projects throughout the year.

**WL 311 | Spanish III (1.0 credit)**

*Prerequisite: Spanish II*

This course is the third level of high school Spanish. It assumes a knowledge of intermediate-level Spanish. Advanced-level grammar and vocabulary are taught, as well as advanced reading and writing skills in Spanish. In addition, the cultures of Spanish-speaking countries are taught: their history, art, music, and cuisine. Students will work on reading and writing as well as increase their communication skills in everyday conversational language suitable for this level. As much as possible, Spanish will be used in the classroom.

Finally, our Catholic faith will be incorporated as much as possible in our lessons, and students will learn Catholic prayers such as the Hail Mary, the Our Father, the Glory Be, Hail Holy Queen, among others.

**WL 312 | Pre-AP Spanish III (1.0 credit)**

*Prerequisite: Pre-AP Spanish II or Spanish II and a Teacher recommendation*

This course description is the same as the Spanish III course listed above. The Pre-AP level however demands a deeper understanding and faster processing for success. The Pre-AP course will move quicker and complete more projects throughout the year.

**WL 411 | Spanish IV (1.0 credit)**

**WL 412 | AP Spanish Language (1.0 credit)**

*Prerequisite: High achievement in Spanish III and Teacher recommendation*

Spanish IV AP is equivalent to a third year college course. The students will study literature and poetry of well-known Hispanic authors including Carlos Fuentes, Gabriel García Márquez, Pablo Neruda, and others. By increasing their vocabulary through literature and literary articles students are much better equipped to do research, write essays over the findings, and give oral presentations. Advanced grammar will also be emphasized. Students will discuss political issues as well as write essays using various sources as a base. Their oral proficiency is a key component to the course and will be emphasized in simple conversation as well as in profound opinions and concepts. At the end of this course students will be proficient in communicating on an advanced level both orally and in writing. They will have an initial understanding of the style of writing of Hispanic authors and will be able to compare the differences culturally through the literature.

**WL 122 | Pre-AP Latin I (1.0 credit)**

*Prerequisite: None*

This course is the first level of high school Latin. Beginning-level grammar and vocabulary are learned, as well as basic reading and writing skills in Latin. In addition, the cultures of Classical Antiquity (Greece and Rome) and Medieval Western Europe, their history, art, and music, are studied. Students will work on reading and writing as well as increase their communication skills in everyday conversational language suitable for this level. Latin is used as much as possible in the classroom, but English will be used when necessary.

The unique relationship Latin has with English will also be emphasized so that the students will increase their English vocabulary through their study of Latin.

The Catholic faith will be incorporated in our lessons, and students will learn Catholic prayers such as the Hail Mary, the Our Father, and the Glory Be, among others. Students will read stories from the Catholic as well as the Classical tradition.

**WL 222 | Pre-AP Latin II (1.0 credit)**

*Prerequisite: Latin I*

This class is the second level of high school Latin. Intermediate-level grammar and vocabulary are learned, as well as further reading and writing skills in Latin. In addition, the cultures of Classical Antiquity (Greece and Rome) and Medieval Western Europe are studied: their history, art, and music. Students will work on reading and writing as well as increase their communication skills in conversational language suitable for this level. Latin is used as much as possible in the classroom, but English will be used when necessary.

The unique relationship Latin has with English will also be emphasized so that the students will increase their English vocabulary through their study of Latin.

The Catholic faith is incorporated in our lessons, and students will learn Catholic prayers such as the Hail Mary, the Our Father, and the Glory Be, among others. Students will read stories from the Catholic as well as the Classical tradition.

**WL 322 | Pre-AP Latin III (1.0 credit)**

*Prerequisite: Latin II*

This class is the third level of high school Latin and will be offered for the first time in the 2011–2012 school year. Advanced-level grammar and vocabulary and introductory literary and philological study are learned, as well as further reading and writing skills in Latin. In addition, the cultures of Classical Antiquity (Greece and Rome) and Medieval Western Europe are studied: their history, art, and music. Students will work on reading and writing as well as increase their communication skills in conversational language suitable for this level. Latin is used as much as possible in the classroom, but English will be used when necessary.

This course will also prepare students either to continue with Latin IV, Advanced Placement Latin, or to take either the SAT II Latin Subject Examination or the placement examination used by the colleges they will attend.

The unique relationship Latin has with English will also be emphasized so that the students will increase their English vocabulary through their study of Latin.

The Catholic faith will be incorporated in our lessons, and students will learn Catholic prayers. Students will read stories from the Catholic as well as the Classical tradition.

### **WL 131 | Chinese I (1.0 credit)**

This course is the first level of high school Chinese. Beginning level grammar and vocabulary are taught as well as basic reading and writing skills. In addition, the Chinese culture will be taught: their history, art, music, and cuisine. Students will work on reading and writing as well as increase their communication skills in everyday conversational language suitable for this level. As much as possible, Chinese will be used in the classroom.

## **TECHNOLOGY DEPARTMENT**

**Department members: Ms. Sarah Saniuk, Chair; Mrs. Margarita Sicich**

### **TECHNOLOGY**

#### **TC 211 | Yearbook (1.0 credit)**

*Prerequisite: none.*

Do you like photography? Do you have an interest in graphic design?

Students in the Yearbook course will be involved in the production of the school yearbook. The course will focus on layout planning and design, photography, copy writing and proofing. Students will take leadership roles, learn to handle deadlines, and advertise and market the yearbook to the community.

#### **TC 231 | Video Production/E-Newspaper (1.0 credit)**

*Prerequisite: None*

Do you like filmmaking? Are you interested in journalism? Students in Video Production will design and maintain St. Dominic Savio's student newspaper ONLINE! Students will explore the fundamentals of video production as they develop, shoot, and edit video news stories and short films. Students will publish their work to Eagle Eye Online, the brand new student newspaper website. They will also have the opportunity to publish blog entries. Students will get to track website traffic to see how many visitors come to the site, which stories and videos are the most popular, and even what cities and towns their visitors live in!

**Note:** Students in this course are not required be on camera.

### **ENGINEERING/S.T.E.M.**

*(Each course in this area is given Pre-AP weighting when factored into a student's GPA)*

#### **ST 102 | Introduction to Engineering Design (1.0 credit)**

*Prerequisite: Admission into the STEM Program*

Introduction to Engineering Design is a project-based course designed to expose students to the engineering design process, product analysis and improvement, and the role of an engineer. Students will develop strong teamwork, communication, and presentation skills, learn how to make ethical decisions, develop their creative abilities, and understand engineering standards and technical documentation. Students will use Inventor, a 3-D design software package, to help design solutions to

different design projects and problems.

Students have the opportunity to earn college credit for this course.

### **ST 202 | Principles of Engineering (1.0 credit)**

*Prerequisite: ST102 – Introduction to Engineering Design*

In Principles of Engineering, students will explore technology systems and engineering processes to discover how math, science, and technology can benefit others. Students will practice problem solving and teamwork in a number of projects that utilize a variety of equipment, including Fischertechnik components and controllers. Students will be exposed to various engineering fields as they learn about energy & power, materials and structures, and control systems.

Students have the opportunity to earn college credit for this course.

### **ST 302 | Digital Electronics (1.0 credit)**

*Prerequisite: ST202 – Principles of Engineering*

In Digital Electronics, students will learn a systematic approach that engineers use to design the electronics we use every day. Students are exposed to the process of combinational and sequential logic design and the basics of electronics and digital systems. They will learn the troubleshooting techniques used in the electronics field, build teamwork, communication, and technical documentation skills, and learn to follow engineering standards. Computer simulation software is used to design and test digital circuitry.

Students have the opportunity to earn college credit for this course.

## **FINE ARTS DEPARTMENT**

**Department members: Ms. Celeste Ingraffia, Chair; Mr. Michael Dzbenski**

### **VISUAL ARTS**

#### **VA 101 | Introduction to Studio Art (.5 credit)**

*Prerequisite: None*

This course is designed to introduce students to a basic artistic vocabulary and define the elements and principles of design. Students work with a variety of two and three dimensional media (drawing, painting, papier mache, clay...) and will acquire basic artistic techniques. Selected students will have the opportunity to participate in the spring student art show.

#### **VA 111 | Introduction to 2D Design (.5 credit)**

*Prerequisite: Introduction to Studio Art*

This course is designed to develop a solid artistic vocabulary in two dimensions. Students work with a variety of media (drawing, painting, printmaking, batik, etc...) to solve creative problems and create original works of art in two dimensions. Selected students will have the opportunity to participate in the spring student art show.

#### **VA 121 | Introduction to 3D Design (.5 credit)**

*Prerequisite: Introduction to Studio Art*

This course is designed to develop a solid artistic vocabulary in three dimensions. Students work with a variety of three dimensional media (paper mache, clay, wire, found objects, etc...) to create original works of art while solving creative problems. Selected students will have the opportunity to participate in the spring student art show.

### **VA 131 | Introduction to Photography (.5 credit)**

*Prerequisite: Introduction to Studio Art*

The course content will introduce the skills necessary to understand camera basics with a focus on digital photography. Coursework will emphasize composition and lighting as well as explore portraiture, landscape, perspective, point of view and storytelling. Photographic methods (resolution/contrast) are emphasized for photographic prints. Selected students will have the opportunity to participate in the spring student art show.

### **VA 211 | Intermediate 2D Design (.5 credit)**

*Prerequisite: Introduction to Studio Art and Introduction to 2D Design*

This course is designed to build on introductory knowledge and allow students to delve deeper into two dimensional media. Students will complete a series of challenging assignments that will lead to stronger visual literacy and artistic skills. All students will participate in the spring student art show.

### **VA 221 | Intermediate 3D Design (.5 credit)**

*Prerequisite: Introduction to Studio Art and Introduction to 3D Design*

This course is designed to build on introductory knowledge and allow students to delve deeper into three dimensional media. Students will complete a series of challenging assignments that will lead to stronger visual literacy and artistic skills. All students will participate in the spring student art show.

### **VA 231 | Intermediate Photography (.5 credit)**

*Prerequisite: Introduction to Studio Art and Introduction to Photography*

Students will continue to develop photographic skills and techniques and will become more proficient in their understanding of light, composition, and visual storytelling. All students will have the opportunity to participate in the spring student art show.

### **VA 311 | Advanced 2D Design (.5 credit)**

*Prerequisite: Introduction to Studio Art, 2D Design, Intermediate 2D Design*

This course is designed to build on knowledge and allow students to delve deeper into the content and context of their original ideas. With the help of the teacher, students will design a series of challenging assignments that will lead to a solid portfolio of work. All students will participate in the spring student art show.

### **VA 321 | Advanced 3D Design (.5 credit)**

*Prerequisite: Introduction to Studio Art, 3D Design, Intermediate 3D Design*

This course is designed to build on knowledge and allow students to delve deeper into the content and context of their original ideas. With the help of the teacher, students will design a series of challenging assignments that will lead to a solid portfolio of work. All students will participate in the spring student art show.

### **VA 331 | Advanced Photography (.5 credit)**

*Prerequisite: Introduction to Studio Art and Intermediate Photography.*

Students will continue to develop photographic skills and techniques and will focus on visual storytelling. Context and content of photographs will be emphasized and students will develop a strong portfolio of work. All students will have the opportunity to participate in the spring student art show.

## **PERFORMING ARTS**

### **PA 111 | Symphony Band (1.0 credit)**

### **PA 121 | Symphony Orchestra (1.0 credit)**

This performing ensemble consists of several members of the string instrument family, woodwind instrument family, brass instrument family, and percussion instrument family. Students will focus on improving their ensemble playing in a symphony setting. Development of musicianship and playing skills will be emphasized through performance in this group. Students will rehearse and play various repertoire including original compositions, arranged classical items, and popular tunes. Attendance at performances and rehearsals outside school hours is required. Previous experience is also required.

### **PA 231 | Choir (1.0 credit)**

This performing ensemble consists of all voice types ranging from soprano to bass. Students will focus on improving their ensemble singing in a choir setting. Development of musicianship and vocal pedagogy will be emphasized through performance in this group. Students will study singing techniques, musicianship, and choral literature appropriate for the abilities and interests of the group. Attendance at performances and rehearsals outside school hours is required.

### **PA 101 | Music Appreciation (.5 credit)**

This fast-paced course gives the student a “little bit of everything.” Students will learn basic guitar skills, drum patterns, bass lines, singing technique, piano technique, music theory, and composition. This class will also teach students how to perform in front of a group. This class is a perfect fit for the student who wants to sample a variety of musical instruments and musical styles.

### **PA 141 | Acting I (.5 credit)**

This class will examine the fundamentals of stage acting with special emphasis on improvisation. It will introduce the principles that govern the performing environment. Speech and vocal skills as well as theatrical movement will be stressed. The emphasis will be on the preparation aspect of acting as well as the aspect of performance. Students will put together and perform in various pieces chosen throughout the semester appropriate for the abilities and interests of the group. Attendance at performances and rehearsals outside school hours is required.

### **PA 241 | Acting II (.5 credit)**

*Prerequisite: Acting I*

Students in this class will continue to develop their stage acting skills. Emphasis will be placed on control and discipline of body and voice as well as memorization and line reading. All students will participate in a production at the end of the semester. Students will be required to attend performances

and rehearsals outside of school hours.

**PA 341 | Acting III (.5 credit)**

*Prerequisite: Acting I and Acting II*

Emphasis in this class will be on vocal characterization and refining roles. Students will develop a deeper understanding of stage presence and scene study. All students will participate in a theatrical production at the end of the semester. Students will be required to attend performances and rehearsals outside of school hours.

**PA 151 | Technical Theatre I (.5 credit)**

This course has a major emphasis on the practical application of theatre technology. The classroom activity will be composed of an investigation of the theory and practice of technical theatre production. The semester will include a study of production, the stage and its equipment, tools and materials, scenic production technique, scene painting, and stage properties. Students will serve as the technical team for the spring musical. Attendance at performances and rehearsals outside school hours is required.

**PA 251 | Technical Theatre II (.5 credit)**

*Prerequisite: Technical Theatre I*

Students will further their understanding and mastery of all aspects of technical theater. The semester will include a study of production, the stage and its equipment, tools and materials, scenic production technique, scene painting, and stage properties. Students will serve as the technical team for the spring musical. Attendance at performances and rehearsals outside school hours is required.

**PA 211 | Jazz Band (.5 credit)**

This performing ensemble consists of unique instrumentation that performs a wide variety of jazz, rock, blues and other types of music utilizing the jazz/rock band instrumentation. Instrumentation includes trumpet, clarinet, trombone, saxophone, drums, piano, guitar, and bass. Attendance at performances and rehearsals outside school hours is required.

**PA 131 | Faith (.5 credit)**

This advanced performing ensemble consists of all students wanting to study liturgical music and perform at weekly masses. Students will have the opportunity to study advanced singing techniques and master various types of vocal literature. Attendance at performances and rehearsals outside school hours is required.

## **PHYSICAL EDUCATION DEPARTMENT**

**Department members: Mr. Orlando Florez, Chair, Mr. Louie Becerra**

**PE 101 | Physical Education (.5 Credits)**

This semester long course focuses on the following concepts:

*Foundations of Personal Fitness*- The basic purpose of this course is to motivate students to strive for lifetime fitness with an emphasis on the health-related components of physical fitness.

*Adventure/Outdoor Education*- Emphasis is placed upon students' selection of activities that promote

respect for the environment and that can be enjoyed for a lifetime.

*Aerobic Activities-* A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

*Individual Sports-* Students are expected to participate in a wide variety of sports that promote health-related fitness.

*Team Sports-* Students develop an appreciation for health-related fitness and for teamwork and fair play for a lifestyle beyond high school.

\* Students may also earn half a credit in PE (.5 Credits) through playing a sport at St. Dominic Savio. The student must begin and end the season with the team having participated in daily practices and scheduled games.

### **HL 101 | Health (.5 Credits)**

Health is an exploratory course that covers such topics as: Health and Your Wellness, Health and Your Body, Drugs, Diseases and Disorders, Adolescence, Adulthood, and Family Life. It is the aim of the course to help students gain basic knowledge and attitudes that will aid them in making intelligent decisions regarding their health and well-being. Further emphasis is placed upon understanding one's environment, community and mental health issues.

## **ADDITIONAL ELECTIVE COURSES**

### **IS 261 | Independent Study (.5 credit) (Sophomores, Juniors and Seniors ONLY)**

*Prerequisite: None*

Do you have an interest in a specific subject that you would like to learn more about? If the answer to this question is yes, then an Independent Study may be for you. This class is an opportunity for a student to work closely with a teacher who will act as the student's advisor throughout the semester. With the guidance of the advisor, the student will work their way through research, reading, writing, discussions, and projects on their way to discovering more about their designated area of study.

### **EL 211 | Mentor Program (.5 credit) (Sophomores, Juniors and Seniors ONLY)**

*Prerequisite: None*

We believe that one of the most important characteristics we can impart to our students is the idea of Servant Leadership. The St. Dominic Savio Catholic High School Mentor Program was created with this idea in mind. Through the Mentor Program our students will be able to put this characteristic into use. Over a two week period, any student in the Mentor Program will serve at Holy Family Catholic School as an assistant in an assigned classroom between four and five times. The St. Dominic Savio students will work closely with the classroom teacher and students in hopes of positively effecting the learning environment.

All students will receive a grade for their participation in the Mentor Program. Students will be required to meet with Mr. Motto on a regular basis. They will also be required to keep a weekly journal on their experience. Students will be evaluated by their supervising teacher two times each quarter (four each

semester). At the end of the semester, each student is required to give a five – seven minute presentation on their experience and how they grew during their time at Holy Family Catholic School.

### **SP 101 | Speech Communications (.5 credit) – COURSE REQUIRED FOR GRADUATION**

*Prerequisite: None*

The number one fear most people have is public speaking. This course will give you the necessary tools to overcome your fear and effectively communicate. This course clarifies the process of oral communication, clarifies basic principles of public speaking, and allows the student to increase the application of these principles both while speaking and listening.

### **EL 121 | The Quest (.5 credit) – YOUNG MEN ONLY**

*Prerequisite: None      Instructor: Mr. Brian Motto*

James Bond? Superman? Michael Jordan? Indiana Jones? Rocky Balboa? Terrell Owens? Your father or grandfather? Brad Pitt? Your coach? Odysseus? Winston Churchill? A fireman? William Wallace? Jay Z? Tiger Woods? Donald Trump? John Wayne? Abraham Lincoln? Robin Hood? A police officer? A soldier? Jesus?

Are any of these males ‘men’? What does it mean to be a ‘man’? Is there a universal definition of a ‘man’? When does a boy become a ‘man’? How does a boy become a ‘man’? The teenage years are some of the toughest, most awkward years in a male’s life. High school presents countless challenges and obstacles for males to maneuver. In this class we will be reading books, watching movies, writing papers, and having in-depth discussions about personal journeys, challenges, and experiences. We will look into everything from etiquette and behavior, to dressing like a man, societal stereotypes of men, to Jesus’ and others’ example. Being a man is not easy, and in today’s world it is harder than ever. This class is designed to help Savio boys understand what it means to be a ‘man’ and help them to understand how the lessons, challenges, and obstacles they go through now, will help form the man they become in the future. Students will be challenged to search themselves for the traits that are integral in a successful man’s life. We will discuss traits and ideals such as, chivalry, honesty, leading a goal oriented life; being resilient to adversity; and being compassionate and selfless to our neighbors, among many others. The discussions in class will be more comfortable between peers going through similar experiences. Therefore, this class is open to males only.

### **SH 000 | Study Hall (no credit awarded)**