

2011 – 2012 PROGRAM OF STUDIES
- Course Catalog -

COMPUTER SCIENCE

- 0701 Computer Applications** 10, 11, 12 S
This is a one-semester course that offers the student an opportunity to be familiar and proficient in the use of different computer software applications. This is a project driven course that uses Microsoft Office Premium Suite to cover the subjects of Word Processing, Database creation, Spreadsheet creation, Multimedia Presentation, Drawing and Photo editing, Internet Research, and Print Publication. Completion of this course is required for subsequent computer courses. (*Prereq:* None)
- 0703 Web Design and New Media** 10, 11, 12 S
This is a one-semester course that introduces the students to different website designs and to new and emerging media. This course provides the student foundational skills in creating websites with interactive elements, creating web graphics and creating web animations. The course also includes creating flash animation movies, editing and using MP3 music. Other additional tools, programs and media elements will be chosen under the discretion of the instructor. (*Prereq:* None)
- 0702 Computer Graphics and Desktop Publishing** 10, 11, 12 S
This is a one-semester elective course designed to expose student to the growing field of desktop publishing and computer graphics design. Student will be introduced to the principles of print design and receive training on a professional desktop publishing application as well as on a graphics creation program. This is a project driven course that requires the students to apply their knowledge and skills to a major printed project. (*Prereq:* None)
- 0704 Advanced Computer Applications** 11, 12 S
This is an independent study course designed to allow the student to move beyond the limitations of current computer course offerings. The student will design and pursue the chosen field of specialization from Graphic Design and 3D Animation, Digital Imaging and Multimedia, Advanced Programming. The course is a project driven course and a capstone project is required at the end of the course. (*Prereq:* Completion of the Computer Graphics course or the Website Design course. Choice of subject field must be approved by the Department Chair.)

ENGLISH

- 0105 Reading** 9
A yearlong course designed to improve basic reading skills: work attack, speed, style, and comprehension. (*Prereq:* Assigned by Guidance Department.)
- 0101 Composition and World Literature I** 9 CSU, UC (b)
0104 Composition and World Literature I (USP) 9 CSU, UC (b)
Stresses the fundamentals of the English language offering opportunities for the student to develop and refine his overall communication skills. The course is divided into four core areas of instruction: language, oral and written communication, vocabulary development, and a thematic survey of the literary genres. The writing process is developed through a strong literary canon with special attention given to sentence structure and variety. (*Prereq:* None)
- 0103 Composition and World Literature IA** 9 CSU, UC (b)
This course is designed to introduce students to literature from various cultures, and to develop writing abilities through various types of written assignments. Instruction in this course is designed to cater to the students' pace based on the needs of the individual class, as opposed to a teacher-designed pace. The literature portion of the course reviews primary elements of literature and poetry, and examines the function of these elements within various literary works. In terms of writing, students will improve and develop their skills in writing narratives, journals, letters, and various types of composition. This course provides a

foundation for the English curriculum that students will encounter in their remaining years at St. John Bosco High School. (*Prereq:* None)

0123 Composition and World Literature II 10 CSU, UC (b)
Continues to stress the fundamentals taught in the ninth grade and challenges the student to think and write logically and concisely. This course is also divided into four areas of instruction: language skills, oral and written communication, a continued thematic study of canonical literature and literature in translation, and the further development of vocabulary through the study of analogies. Emphasis is placed upon paragraph strategies and structures. (*Prereq:* Successful completion of Comp/World Lit I)

0125 Composition and World Literature IIA 10 CSU, UC (b)
This course continues to focus on multiculturalism through World Literature begun in the ninth grade. Emphasis is placed on learning activities that develop reading, writing, speaking, and listening skills; this emphasis is based on the needs of the class, accomplished at the pace most appropriate for student success. (*Prereq:* Successful completion of Composition and World Literature I or Composition and World Literature IA).

0126 Advanced Composition and World Literature II 10 CSU, UC (b) *
An alternative for the tenth grade student, this course continues to stress the fundamentals taught in the ninth grade and challenges the student to think and write logically and concisely. This course is divided into four areas of instruction: language skills, oral and written communication, a continued thematic study of canonical literature and literature translation, and the further development of vocabulary through the study of analogies. Emphasis will be placed on essay strategies and structures rather than merely paragraph work. *Prereq* Department approval. Special Considerations: Because this is not an AP course, this course does not include a weighted GPA nor does it guarantee placement in the eleventh grade AP Language and Composition class.

0132 American Literature/Composition 11 CSU, UC (b)
Refines and continues building on the basic skills presented in the ninth and tenth grades. Its primary focus is a thematic survey of American literature. Through a variety of assessments, the student analyzes and synthesizes the evolution of the American character and the American Dream. Student communication skills are further enhanced through the development of personal, analytical and creative writing. (*Prereq:* Successful completion of Comp/World Lit I and II).

0135 AP English Language and Composition 11 CSU, UC (b)
An alternative for the eleventh grade student, it trains the student to be a skilled reader of prose and poetry written during various historical and literary epochs--though its primary focus is the American character and the American Dream. By taking the course, the student may then challenge himself in the AP exam in May for the College Board. (*Prereq:* Admission granted to students who fulfill the following: meeting application deadlines, B+ grade for both freshmen and sophomore English and social studies classes, a minimum combined PLAN score of 21, and teacher recommendation. Above are reviewed during the 10th grade.)

0144 British Literature and Composition 12 CSU, UC (b)
This course continues to refine and develop those skills reintroduced and emphasized during the previous years. It surveys a core of British literature to serve as a summation and emphasis of all literary concepts from the ninth, tenth, and eleventh grades. The various activities develop students' research and writing skills, as well as their listening and speaking skills. The literature portion of the class introduces the students to canonical and contemporary British literature, incorporating relevant art, music, and philosophical ideas. This course does give a sense of finality to the scope and sequence of the English curriculum, yet it also fosters a life-long love of literature and learning. (*Prereq:* Successful completion of Comp/World Lit I and II and either American Literature or AP English Language and Composition).

0141 AP English Literature and Composition 12 CSU, UC (b)
An alternative for those seniors who meet the minimum requirements set by the department and who wish to challenge themselves with the taking of the AP exam in May of the senior year. The course emphasizes all aspects of the English language. All literature serves as a source as the students read through the genre of

the literary world. (*Prereq:* Successful completion of Comp/Lit I and II and American Lit/Comp, with minimum grade of B+ and minimum PSAT Verbal and Writing Skills 47.)

0710 Journalism 10, 11, 12 CSU, UC (g) S
A one-semester course that presents the fundamentals of journalism and journalistic writing. It introduces the differing styles of communication that characterize the newspaper, magazine, television, and advertising worlds. This course also serves as a prerequisite for joining the school's newspaper staff. [One Semester] (*Prereq:* Successful completion of all English courses and recommendation of Journalism instructor.)

0711 20th Century Literature/Composition/Cinema 11, 12 CSU, UC (g) S
The course is designed as an interdisciplinary study of two genres, film and literature, with particular emphasis on novels made into films and on the aesthetic distinction of both forms of major genres in the twentieth and twenty-first centuries. The film and literature are supplemented with novels, plays, and radio dramas. The course spends the first quarter studying the history of film and films made from literature, while the last quarter will focus on contemporary literature, film and film/television scripts. (*Prereq:* None)

0908 Yearbook 9, 10, 11, 12 S
This spring semester course is required for all students interested in being a member of the yearbook staff. Students develop abilities in gathering information, writing copy and captions, understanding components of quality photography, copy editing skills, and techniques of headlines. Emphasis is placed on developing skills in layout, design, and graphics. (*Prereq:* Department approval)

WORLD LANGUAGES

0510 Spanish I 9, 10, 11, 12 CSU, UC (e)
Provides practice in listening for comprehension and speaking. The student learns vocabulary related to home, school and community. The student will practice pronunciation, intonation and use of basic language structures in both oral and written exercises. The course develops appreciation for the customs and traditions of Spanish-speaking people both within the United States and abroad. (*Prereq:* Total stanine score of 4-9 on entrance exam or department recommendation.)

0505 Spanish I for Heritage Speakers 9, 10, 11, 12 CSU, UC (e)
A year course designed to fulfill the needs of home speakers of Spanish. The course builds upon the knowledge, skills and experiences students bring to the Spanish classroom. Attention is given to the skills of reading, writing, grammar, listening and speaking. Students are given ample opportunities to express themselves in speech and writing. (*Prereq:* Students have lived in a Spanish-speaking environment and have a good receptive command (understanding of everyday Spanish).)

0501 Spanish IA (First semester of Spanish I) 9, 10, 11 CSU, UC (e)
This course is intended for those students who need ample time for developing concepts and skills for learning a foreign language. The student will learn vocabulary related to friendship, school, and family. Student will practice pronunciation, intonation and use of basic language structures in both oral and written exercises. Also, appreciation for the Hispanic culture is cultivated.

0502 Spanish IB (Second semester of Spanish I) 10, 11 CSU, UC (e)
A continuation of Spanish IA, this second year class will focus on review of previous concepts and the student will learn vocabulary related to home, community, and the environment. Student will continue with practice in pronunciation, intonation and use of basic language structures in both oral and written exercises. (*Prereq:* Successful completion of Spanish IA)

0511 Spanish II 10, 11, 12 CSU, UC (e)
Reviews the subject matter presented in Spanish I and provides further practice in comprehension, speaking, oral reading and writing. Language structures appropriate to this level are covered and correct pronunciation and intonation are further developed. The course further develops appreciation of the culture,

customs, geography, history and traditions of Spanish speaking people throughout the world. (*Prereq:* Grade of "C" or better in Spanish I or "B" or better in Spanish IB.)

0542 **Spanish II A** 10, 11, 12

Spanish IIA is for those students who have completed Spanish I with less than a C grade. The course reviews major grammatical and topical concepts covered in Spanish I and introduces material from Spanish II. Students who successfully complete Spanish IIA meet the SJB graduation requirements for World Language. Spanish IIA does not fulfill the CSU or UC World Language entrance requirement. (*Prereq:* For students who have less than a "C" in either Spanish I or IB.)

0506 **Spanish II for Heritage Speakers** 10, 11, 12 CSU, UC (e)

This course provides further practice in listening, speaking, reading and writing for the speakers of Spanish. The meaningful and personalized activities motivate students to improve the quality of language they produce. The course focuses on reading development, formal grammar, general facility in composition and conversation. (*Prereq:* Grade of "C" or better in Spanish I for Heritage Speakers or department approval.)

0512 **Spanish III** 11, 12 CSU, UC (e)

Further develops aural-oral facility through more varied listening and speaking activities. Grammatical concepts are reviewed and analyzed, while vocabulary development and proficiency skills are fostered in conversational settings. In addition, there is appreciation of Hispanic culture. (*Prereq:* Grade of "B" or better in Spanish II and department approval.)

0528 **Spanish IV** 12 CSU, UC (e)

This course is designed for the student who does not choose to formally prepare for the AP language exam, but who wishes to continue his study of the language. Reading, listening and speaking are stressed and the fluency learned during the first three years is further developed and extended. (*Prereq:* Grade of "C" or better in Spanish III and department approval.)

0513 **AP Spanish Language** 11, 12 CSU, UC (e)

A college level course in advanced Spanish composition and conversation. It emphasizes aural/oral skills, reading comprehension, grammar and composition. Students in this course take the AP Spanish Language Exam in May with the possibility of receiving college credit and/or placement. (*Prereq:* Grade of "B" or better in Spanish III and department approval.)

0529 **AP Spanish Literature** 11, 12 CSU, UC (e)

A college level course that covers selected authors from the literature of Spain and Spanish America and centers on the understanding and analysis of literary texts. The class enhances students' proficiency while developing their ability to analyze texts and communicate ideas through discussion and writing. (*Prereq:* Successful completion AP Spanish Language and department approval.)

0519 **French II** 10, 11, 12 CSU, UC (e)

Reviews subject matter introduced in French I, and provides further practice in comprehension, speaking, oral reading and writing. More advanced language structures are practiced and correct pronunciation and intonation are further developed. The course introduces reading for direct comprehension without translation, writing adapted dialogues, narratives and dictation. The course continues to develop appreciation for the French culture and customs. (*Prereq:* Grade of "C" or better in French I.)

0520 **French III** 11, 12 CSU, UC (e)

Further develops aural-oral facility through more varied listening and speaking activities. Grammatical concepts are reviewed and analyzed, while vocabulary development and proficiency skills are fostered in conversational settings. In addition, appreciation of French culture continues to be fostered. (*Prereq:* Grade of "B" or better in French II and department approval.)

0522 **French IV** 11, 12 CSU, UC (e)

An advanced course in conversation, grammar, writing and culture. Students begin to develop fluency in listening, speaking and writing on a wide range of topics. Students develop a broader command of

vocabulary and grammatical structures needed in daily life situations through the study of news reports, dialogues, literary and film excerpts and other media. Awareness of current events in French speaking countries is fostered. (*Prereq:* Grade of "C" or better in French III and department approval.)

0521 AP French Language 11, 12 CSU, UC (e)
A college level course in advanced conversation and composition. Emphasizes aural/oral skills, phonetics and orthography, reading comprehension, composition and grammar. Students prepare for the AP French Language Exam in May with the possibility of receiving college credit and/or placement. (*Prereq:* Department approval.)

0551 Japanese I 9, 10 CSU, UC (e)
Provides a well-balanced foundation to the Japanese language, with practice in listening for comprehension and in speaking. The course will cover introductory grammatical structures and the appropriate vocabulary for conversing at home, school and in society. The student will learn to write in both Japanese syllabaries (hiragana and katakana), including some Chinese characters. Oral and written exercises will assist in the acquisition of basic language structures. Furthermore, this course will introduce Japanese culture and society, giving emphasis to its role in East Asia and in relation to the United States. (*Prereq:* Total stanine score of 4-9 on entrance exam or department recommendation)

0552 Japanese II 10, 11, 12 CSU, UC (e) *
Students will continue to develop skills learned in Japanese I in the areas of speaking, listening, reading and writing in context of thematic units. The study of Japanese culture will be integrated in the curriculum through multimedia, class discussions, and readings. Students will continue to acquire a basic, living vocabulary. (*Prereq:* Successful completion of Japanese I)

MATHEMATICS

0311 Introduction to Algebra 9
Intended for those students whose background and aptitude in mathematics needs strengthening. The course provides a careful study of basic arithmetic along with developing the concepts and skills necessary for advancement to algebra. (*Prereq:* None)

0310 Algebra 1 9, 10 CSU, UC (c)
A course in elementary algebra for the average and above average student. The subject covers an in depth study of the topics of number, linear equations and inequalities of one and two variables, polynomials and polynomial equations, and problem solving. (*Prereq:* Stanine score of 4-9 on the placement test and/or a "C" in Intro to Algebra.)

0314 Elementary Algebra 10 CSU, UC (c)
A fundamental course in elementary algebra for the student whose skill in Introduction to Algebra warrants added strengthening. The depth and speed of this study of algebra is geared to meet the student's ability level. (*Prereq:* Successful completion of Intro to Algebra in 9th grade.)

0315 Geometry 9, 10, 11 CSU, UC (c)
0322 Geometry (USP) 9, 10, 11 CSU, UC (c)
A course in Euclidean Geometry for the average to above average student. It provides a careful in depth study of the principles of geometry covering the topics of: parallel lines, congruency, similarity, polygons, circles, constructions, area, volume, and coordinate geometry. (*Prereq:* Minimum of "C" in Algebra 1 or minimum of "B" in Elementary Algebra and teacher recommendation.)

0316 Elementary Geometry 10, 11 CSU, UC (c)
A fundamental course in the study of Euclidean Geometry for students who need added support in understanding the principles governing geometry. (*Prereq:* Successful completion of Elementary Algebra or teacher recommendation.)

0320 **Unified Mathematics** 11, 12
 A full-year fundamental course for the student who passed either Algebra 1 or Elementary Algebra and either Geometry or Elementary Geometry with a grade of D or low C and whose performance warrants added study in the concepts of number, elementary algebra and geometry before continuing to Algebra 2. (*Prereq:* Successful completion of Elementary Geometry or Geometry.)

0330 **Algebra 2** 10, 11, 12 CSU, UC (c)
 0334 **Algebra 2 (USP)** 10, 11, 12 CSU, UC (c)
 A continuation of the study of algebra for the average and above average student with a detailed focus on its structure. The topics covered will include: number, linear systems, polynomial equations, relations, functions, conic sections, exponential and logarithmic functions, sequences, series and the counting principle. (*Prereq:* Restricted to minimum of "C" in Algebra 1 and Geometry.)

0333 **Elementary Statistics** 11, 12 CSU, UC (c)
 An overview of the science of statistical estimation with a focus on a basic understanding of fundamental statistical measures, methods of quantifying and classifying data, current applications, and interpretation of the validity of statistical inference. (*Prereq:* C+ or better in Adv. Algebra or Pre-Calculus; B or better in Algebra II/Trig)

0334 **AP Statistics** 11, 12 CSU, UC (c) *
 The purpose of the AP Statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them, select and use appropriate statistical methods to analyze data, develop and evaluate inferences and predictions that are based on data, understand and apply basic concepts of probability. (*prereq:* completion of Algebra II with a B or better, department approval. Refer to "Advanced Placement Policy.")

0335 **Advanced Algebra** 11, 12 CSU, UC (c)
 A course for the average student in college preparatory mathematics. The course provides a study of but not limited to relations, functions, conic sections, exponential functions, logarithmic functions, sequences, series, matrix algebra, determinants, binomial theorem, permutations, combinations, probability, and statistics. It is a preparation for Finite Mathematics and Business Calculus. (*Prereq:* Restricted to minimum of "C" in Algebra 2 and teacher recommendation.)

0340 **Pre Calculus** 11, 12 CSU, UC (c)
 A course for the above average student in mathematics. The course provides a study of advanced algebra, trigonometry and an introduction to differential and integral calculus. It is a preparation for a comprehensive study of calculus. (*Prereq:* Restricted to a "B" or better in Algebra 2 and teacher recommendation.)

0341 **AP Calculus (AB)** 12 CSU, UC (c)
 A course for the superior mathematics student. It is a full-year college course in the theory, application and problem solving of the differential and integral calculus restricted to one variable. Students in this course take the AP Exam in May with the possibility of receiving college credit and/or placement. (*Prereq:* Restricted to a "B" in Algebra II, PSAT of 50, "B" in Trigonometry or "B" in Precalc, and department recommendation. Refer to AP Policy.)

KINESIOLOGY (PHYSICAL EDUCATION)

0981-0982 **Physical Education 9** 9
 A one-year course designed to develop a physically educated person who has mastered the necessary movements to participate confidently in many different forms of physical activity. This course presents an introduction to a variety of sport activities and an understanding of the value of physical fitness and its relationship to health and well-being. Student will develop personalized fitness programs for a healthy lifestyle with major emphasis on fitness concepts, team sports and aquatics. (*Prereq:* None.)

- 0410 **Health** 10, 11, 12 S
 This is a semester long course designed to bring comprehensive health awareness to the student in the 10th, 11th, or 12th grade year. The course will cover seven major content areas of health education. Students will work individually and cooperatively to explore, analyze, and solve health related problems and issues. Positive life long health habits will be encouraged by development of conceptual knowledge and practical skills. [One Semester]
- 0983 **Physical Education 10** 10 S
 A course that is designed to further increase the skill level of the student. Emphasis will be placed on advanced skills, competitive play, teamwork, and social interaction within the framework of the department. [One Semester] (*Prereq:* Required of all 10th graders.)
- 0984 **Advanced Physical Education** 11, 12 S
 A course that is designed to further increase the skill level of the student. It continues to teach the value of physical exercise, recreational activities, and a commitment to lifelong fitness. Activities included in this course, but not limited to, are swimming, water polo, volleyball, tennis, golf, basketball, weight training, and physical fitness. [One Semester] (*Prereq:* Physical Education 9 & 10.)
- 0985 **Non-Traditional PE, Games and Activities** 10, 11, 12 S
 Organization and management to effectively plan and implement a variety of non-traditional physical education games and activities such as cooperative games, problem solving activities, collaborative learning groups, and outdoor educational experiences. [One Semester] (*Prerequisites:* Must have taken PE 9 or played varsity sport.)
- 0986 **Water Safety Instruction** 10, 11, 12 S
 Includes analysis and performance of skills related to teaching all levels of swimming and aquatic activities. Methods for organizing and presenting course related materials will be covered. Satisfactory completion of the course may lead to American Red Cross Water Safety Instructor's Certificate. [One Semester] (*Prerequisite:* Must have swimming experience and/or taken PE)
- 0987 **Strength and Conditioning** 10, 11, 12 S
 Provides a framework of knowledge in athletic conditioning. Examination of exercise technique, program design, periodization, and the development of biomotor abilities. Instruction methods for speed, agility, flexibility, plyometrics, flexibility, and Olympic lifting are also included. [One Semester] (*Prerequisite:* Must have taken PE 9 or played varsity sport.)
- Sports - Physical Education (7th period; semester long; pre-approved by head coach) S**
9th Grade only - Sport Specific Athletic Courses
 A semester-long course designed for introductory and basic sports training for football, basketball, soccer or baseball. This semester-long course is designed for freshmen only. The course will include, but is not limited to, practices, in-class lectures, film review, chalk talks, team play and sportsmanship. Students participating in the above listed sports are encouraged to participate in the class.
- 9th – 12th - Sport Specific Athletic Courses S**
 A semester-long course designed to further increase the skill level of the student in a specific sport. A high emphasis will be placed on advanced skills, as well as the development of basic fundamentals. This semester-long course is offered to freshmen, sophomores, juniors and seniors who will be participating at any level. Students participating in the above listed sports are encouraged to participate in the class.
- 10th-12th Sport Specific Athletic Courses S**
 A semester-long course designed to further increase the skill level of the student in a specific sport. A high emphasis will be placed on advanced skills, as well as the development of basic fundamentals. This semester-long course is offered to sophomores, juniors and seniors. Students participating in the above listed sports are encouraged to participate in the class.

RELIGIOUS STUDIES

- 0203 **Catholic Christianity** 9 S
Catholic Christianity invites freshmen into a comprehensive overview of the faith tradition and serves as a foundation for their four years of religious studies and spiritual formation experiences. The course does not assume that its students have a Catholic background or a Christian faith, but endeavors to bring young people to a deeper appreciation of the Church's beliefs, rituals, moral vision, and prayer. [One Semester: Fall] (*Prereq:* None.)
- 0204 **Hebrew Scriptures** 9 S
Hebrew Scriptures provides the student with an overview of the first part of our Bible which we share with our Jewish brothers and sisters. Study is focused upon the Pentateuch, historical books, wisdom literature and the prophets from literary, historical, and theological perspectives. It provides the student with an approach that recognizes this collection of inspired sacred scripture as a product of a particular people with a shared historical experience which continues to have relevance to our lives today. [One Semester: Spring] (*Prereq:* None.)
- 0206 **Jesus in the New Testament (Fall)** 10 S
This course studies Jesus the Christ, the center of our faith. Students analyze the literary, historical, political, cultural and religious dimensions of the New Testament era utilizing modern methods of scriptural interpretation. The course also explores the development of Christology in the early church. [One Semester] (*Prereq:* None.)
- 0237 **Christian Morality (Spring)** 10 S
Christian Morality stresses the importance of further developing and understanding one's character / integrity, understanding the meaning and purpose of conscience, and examining a decision-making process that enables the student to formulate a model that is reflective of an informed conscience. Using Scripture (Hebrew and Christian) and the Church's Moral Tradition, students will explore contemporary moral issues, discern arguments (pro and con), and, in a reflective manner. [One Semester] (*Prereq:* None.)
- 0232 **Social Justice (Fall)** 11 S
Explores the methodology to empower the student with hope and concrete ideas for doing justice in his life, according to his own capabilities. It is presented in contradiction to the apparent injustice and lack of equality, peace, and liberty for all that has plagued humanity in every age. The course challenges the student to put his faith into action, thereby furthering the Kingdom of God envisioned by Jesus. [One semester] (*Prereq:* None.)
- 0242 **World Religions (Spring)** 11 CSU, UC (g) S
World Religions surveys the historical development and current practices of the major Eastern and Western religions. This course examines both the articulated and lived responses of different traditions to perennial religious questions. Additionally, students will study the church's evolving understanding of and outreach to non-Christians. The class emphasizes expanded awareness of unfamiliar traditions and deepened appreciation one's own. [One Semester] (*Prereq:* None.)
- 0241 **Christian Vocations** 12 S
This course offers student's opportunities to begin to apply what they have come to believe as their vocation as a Christian. The course is designed to be a "practical discipleship" for young men living in the United States in the 21st century. Through the reflection on real life choices, students are able to begin to prayerfully reflect on their personal gifts and unique call by God. Special attention will be given to surveying the various life vocations within the Church: single life, married life, religious life and priestly life. The goal of the course is to help students understand and have some methods of coping with the opportunities, challenges, and developmental tasks facing young adults today.[One Semester] (*Prereq:* None.)

0250 **Salesian Youth Ministry** 12 S
(ELECTIVE): A practical, hands-on course in serving the needs of the school community. Students enrolled work with a moderator on many Youth Ministry projects, student retreats and prayer. The student is offered the opportunity to be a Christian witness to their peers. [One Semester] (*Prereq:* Department recommendation.)

0721 **Christian Service** 12 S
(ELECTIVE): Offers students a chance to answer Christ's call to serve others. It provides school time to do ministry at various off-campus locations. The activities are performed as a free service of Christian charity for the disadvantaged and handicapped. Individual and group reflections regarding the student's experience are required weekly. [One Semester] (*Prereq:* Department recommendation.)

0232 **Social Justice** 12 S
(ELECTIVE): Explores the methodology to empower the student with hope and concrete ideas for doing justice in his life, according to his own capabilities. It is presented in contradiction to the apparent injustice and lack of equality, peace, and liberty for all that has plagued humanity in every age. The course challenges the student to put his faith into action, thereby furthering the Kingdom of God envisioned by Jesus. [One semester] (*Prereq:* None.)

0233 **Media and the Message** 12 S
(ELECTIVE): Explores the impact of mass media and popular culture on the individual's perception of self, his relationship with others and his relationship with God. It critically examines the modern media: television, radio, newspapers, cinema and the internet. The course challenges a student to apply his Catholic Christian values to the role of the mass media in society. [One semester] (*Prereq:* None.)

SCIENCE

0406 **Concepts in Science A (Fall)** 9 CSU, UC (g)

0407 **Concepts in Science B (Spring)** 9 CSU, UC (g)

This year-long course provides the essential concepts of Physics and Chemistry with additional Earth Science and pre-Biology material. The class will focus on mathematical applications, reading, and writing in the science classroom. Students will demonstrate their knowledge through laboratory work, discovery, and demonstration. (*Prereq:* Concurrent enrollment in mathematics.)

0420 **Biology** 10 CSU, UC (d)

0424 **Biology (USP)** 10 CSU, UC (d)

This college preparatory course utilizes lecture, film, laboratory activity, field excursions, individualized study, and laboratory activities. It is an in depth analysis of cellular structure and function, human anatomy, plant physiology and anatomy, ecological interactions, evolution, and the five kingdoms. (*Prereq:* Minimum "C" in 9th grade English and teacher recommendation.)

0422 **Biological Science** 10 CSU, UC (d)

This college preparatory course utilizes lecture, film field excursions, individualized study, and laboratory activities. It is a general survey of cellular structure and function, human anatomy, plant physiology and anatomy, ecological interactions, evolution, and the five kingdoms. (*Prereq:* Recommendation of department.)

0428 **Chemistry in the Community (ChemCom)** 11 CSU, UC (d)

In this college preparatory course students will learn the essential concepts of Chemistry by focusing their attention on community problems whose solution requires knowledge of Chemistry. ChemCom is designed to provide the student an opportunity to develop and use important Chemistry concepts and skills, and to understand the Chemistry behind issues and problems that may arise in their community. (*Prereq:* Completion of Biology or Biological Science and recommendation by department.)

0430 **Chemistry** 11, 12 CSU, UC (d)
 0432 **Chemistry (USP)** 11, 12 CSU, UC (d)
 This college preparatory course utilizes lecture and laboratory activity. It is divided into five major conceptual sections: inorganic, analytical, organic, physical and biological chemistry. (*Prereq:* Concurrent enrollment in Algebra II or higher-level Mathematics; minimum "C" in Biology.)

0440 **Physics** 12 CSU, UC (d)
 This college preparatory course utilizes lecture, laboratory and project activities to provide a conceptual and mathematical approach to understanding Physics. Major topics include motion, forces, vectors; static equilibrium; work, energy and momentum; kinetic theory, heat, thermodynamics; vibrations, simple harmonic motion, waves, sound; electricity and magnetism; and light and optics. Problem solving / critical thinking skills are fundamental to the course. (*Prereq:* Concurrent enrollment in Math higher than Algebra II; minimum of "C" in Chemistry; minimum of "C" in Geometry.)

0434 **AP Biology** 12 CSU, UC (d)
 This college level course utilizes lecture and laboratory activity to prepare the student for the Advanced Placement Examination following the College Board design. (*Prereq:* Minimum grades of "B" in Biology, "B" in Chemistry; Approval of the department chair.)

0450 **Oceanography** 12 CSU, UC (g) S
 This college preparatory course utilizes lecture, laboratory activity, film, field excursions and individualized study. It is divided into five major conceptual sections: historical, biological, chemical, physical and geographic oceanography. (*Prereq:* Minimum of "C" in Chemistry, or "B" in Physical Science.)

0442 **AP Physics B** 12 CSU, UC (d)
 This year long Advanced Placement course provides a systematic introduction to the main principles of physics and emphasizes the development of problem solving ability. It is a science elective designed for the 12th grade student. Five major conceptual sections are covered in this course: mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. (*Prereq:* Concurrent enrollment in Mathematics class higher than Algebra 2; minimum of "B" in Chemistry; and, Department approval)

SOCIAL STUDIES

0611 **Modern World History** 10 CSU, UC (a)
 Study of the major ideas, events and turning points in the shaping of the modern world. Focuses on world developments since the late 18th century. Among the periods covered are the Enlightenment, Industrial Revolution, Political Revolutions, Imperialism, World Wars I and II, the Cold War, and Contemporary Events. Critical thinking skills will be developed through analysis of events, cause and effect relationships, and prediction of consequences. Specific learning tools incorporate writing methods, public speaking, use of technology and literature. (*Prereq:* Required of all 10th graders.)

0612 **AP World History** 10 CSU, UC (a) *
 The purpose of the Advanced Placement World History course is to use relevant factual knowledge taken from primary and secondary sources with high-order thinking skills to acquire a greater understanding of the development of global processes, from ancient times to the present day. The course emphasizes the character of change and continuity in world structures and their impacts. Furthermore, this study will evaluate the interchange of major societies in the global community and the results of that interplay. Throughout the duration of this course, the instruction lends itself to chronological periodization as well as thematic perspective. Students in this course take the AP Exam in May with the possibility of receiving college credit or placement. (*Prereq:* Refer to "Advanced Placement Policy.")

0640 **United States History** 11 CSU, UC (a)
 This survey course consists primarily of readings in and lectures on the history of the United States. Course will trace the development of the United States from 1492 to the present day, using the traditional political-

military approach as well as a social-cultural perspective. Particular emphasis will be on events of the twentieth century, although Exploration and Colonization, Nationalism and Sectionalism, and Industrialization and Expansion will be reviewed appropriately. Students will develop practical familiarity with the geography of the nation, vocabulary appropriate to the study of American history, and understanding of the major historical periods, individuals, movements, and ideas that have contributed to the creation of the American society. Note taking, essay writing, and critical synthesis will be emphasized. (*Prereq:* Required of all 11th graders not enrolled in AP U.S. History.)

0639 AP United States History

11

CSU, UC (a)

An accelerated lecture course intended to introduce students to college-level work and expectations. Familiarizes students with the significant events and issues of American history and develops the process of critical analysis necessary to interpret these facts. The course covers the major historical periods in United States history from 1492 to the present, and students will be expected to grasp basic factual knowledge and related themes. In addition, students will be exposed to historical debate on selected issues, focusing on areas of disagreement among historians. Critical thinking and essay writing skills will be strengthened throughout this challenging course. Participants may take the Advanced Placement Exam in May for college credit. (*Prereq:* Refer to "Advanced Placement Policy.")

0630 Civics

12

CSU, UC (a)

S

Establishes the connection between the basic concepts of American constitutional government and the practical and philosophical applications of democratic participatory citizenship. Students are expected to master various theories of government, the foundations of the United States Constitution, the three-branch system of government, and citizen responsibilities. Both historical and current issues and controversies play a major role in the course and are integrated into the subject matter. Participation and critical thinking are emphasized. Students are encouraged to become informed citizens and to take an active role in the political process. [One Semester] (*Prereq:* Required of all 12th graders not enrolled in AP American Government.)

0635 AP U.S. Government and Politics

12

CSU, UC (a)

The overall goal of this college-level course is to develop an understanding of the American political system through an exploration of its philosophy, traditions, values, and Constitutional framework. Students will examine the organization, powers, and processes of the Congress, the Presidency, and Judiciary as they function in the political system. The problems of bureaucracy, faction, interest-group politics, and minority rights will also be explored. Students will write frequently and critically on a variety of topics related to the course and will have the opportunity to take the nationally administered Advanced Placement Exam in American Government for college placement or credit in May. (*Prereq:* Refer to "Advanced Placement Policy.")

0631 Economics

12

CSU, UC (g)

S

An introduction to the study of economics and economic systems prevalent in our world today. Special focus is on the economy of the United States - its structure, problems, and prospects. Course will cover economic foundations, alternative systems, microeconomics and macroeconomics, and aspects of the international economy. Students are expected to assimilate basic economic concepts, and to apply them in realistic situations. Various hands-on experiences may be provided to facilitate student understanding and participation, including the reading of case studies, playing the Stock Market, creating a budget, guest speakers, and current events applicable to the subject matter. Students must utilize mature thinking and writing processes in this course. [One Semester] (*Prereq:* Required of all 12th graders not enrolled in AP American Government.)

0730 Psychology

12

CSU, UC (g)

S

Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. Areas of specific study, including methods, growth and development, mental health, behavioral disorders, and social psychology, build on the knowledge and experience students have acquired in their own lives. Major contributors to the field of psychology are studied, including Freud, Maslow, Pavlov, Erikson, and Skinner. Students will have the opportunity to apply psychological perspective to personal experiences and, thus, to "know thyself." Activities may include meditation, temperament sorters, mnemonics, hemisphere dominance inventory, and creativity quotient puzzles. Upper-division

reading, writing, and thinking processes must be utilized in this course. [One Semester] (*Prereq:* Approval by Department.)

0731 History of Los Angeles 12 CSU, UC (g) S

The History of LA course is a social studies elective designed for upper classmen. The course's emphasis lies in the social, political, cultural, and economic development of greater Los Angeles from its founding to the present. Additional focus includes the diverse peoples of the area, changing environment, and various interpretations of the city through literature and multi-media. (*Prereq:* None)

0739 General Business 12 S

A one-semester course that introduces the student to the business field. Areas covered include job application, personal finance, stock portfolio, credit research, insurance research, the value of advertising and merchandising. Students work on projects where they create their own businesses. Current events of the business world are also utilized. (*Prereq:* None.)

0740 Business Law 12 S

A one-semester course dealing with the application of legal principles and procedures to the personal business problems of the individual. The areas to be covered are legal system, contracts, credit, employer/employee relationship, insurance, commercial papers, bailments, and buying and selling of goods and services. This course is a combination lecture, discussion and workshop. [One Semester] (*Prereq:* None.)

VISUAL AND PERFORMING ARTS

0846 Arts & Culture 9 CSU, UC (f)

This year long course is intended to teach the basic principles and practices of the arts-painting, sculpture, music, theater, cinema, dance, and literature-of Western and other cultures, with emphasis placed on the recognition, analysis, and application of these principles and practices. This class exposes students to the arts in a multi-disciplinary manner, and approaches the arts from a world viewpoint. Consequently, it is an interdisciplinary course designed as an introduction to the humanities for students with limited experience in the arts with the idea that students will pursue specialized areas of interest, within the VAPA curriculum, in their sophomore through senior years. (*Prereq:* None)

0875 Exploring Art 9 CSU, UC (f)

This year long course is intended to be an introduction to communication by drawing, working with black, white, and color using the Elements and Principles of Design. Searching and planning for ideas, styles, different drawing media (oil pastels, pastels, charcoal, graphite pencil, chalk and paints) and different techniques. The students will explore the options of composition, the light and shadows, and analyzing and critiquing completed work. A paper is required on artist styles. (*Prereq:* None)

0876 Theater Arts 9 CSU, UC (f)

A year long course designed to train students in the fundamental skills of acting and theatrical production. Students will study and learn the tools of an actor (mind, body and voice) and apply these tools to a range of in-class performances. In addition, students will gain an understanding of how writers, performers, and designers collaborate to produce a theatrical production. Theater history, how the human experience has been represented on stage throughout the centuries, will also be explored. (*Prereq:* None)

0871 Instruments 1 10, 11, 12 S

Students will discover the world of music through hands-on work with a concert band instrument. Musical terminology, rhythmic figures and basic reading skills will be learned to further enhance this experience. Instruments I is considered a performing group. Students are required to participate in all performances and festivals. [One Semester] (*Prereq:* None)

- 0872 **Instruments 2** 10, 11, 12 S
 A continuation of Instruments I, although Instruments I is not required in order to take Instruments II. Students will continue the musical experience with more emphasis towards personal creativity as well as group performance. Instruments II is considered a performing group. Students are required to participate in all performances and festivals. [One Semester] (*Prereq:* Successful completion of Instruments 1 or permission from Instructor.)
- 0870 **Concert Band** 9 CSU, UC (f)
 Students will discover the world of music through hands-on work with concert band instruments. Musical terminology, rhythmic figures and reading skills will be learned to further enhance this experience. Concert Band is considered a performance group. Instruments being offered are Flute, Clarinet, Saxophone, Trumpet, Horn, Trombone, Baritone, Tuba, Electric Bass, Mallet Percussion and combined percussion. (*Prereq:* None)
- 0873 **Advanced Band** 10, 11, 12 CSU, UC (f)
 Advanced Band is year long course open to students with previous instrumental music experience and who already know how to read music. Students will participate in pep band, marching band and concert band performances. Students are required to attend private or semi-private sectionals/lessons on a regular basis. In addition, students will have individual opportunities to participate in optional events like Solo and Ensemble Contest, IMEA and the Conference Music Festival. Attending all full band performances is a course requirement. Members will also practice marching techniques and music to be used in performances at football games and parades. Members will be expected to attend rehearsals outside of regular class time. (*Prereq:* Open to students who: have successfully completed 9th Grade Concert Band with a "B", and/or display equivalent competence on a band instrument through audition, and/or have successfully completed Instruments 2 the previous school year, and/or Director approval.)
- 0857 **Music for Listeners** 10, 11, 12 CSU, UC (f) S
 Allows the student to experience music from different historical eras as well as different areas of the world. Through listening, readings and class discussions students will be gaining the knowledge through which personal preferences can be intelligently discussed. Basic knowledge of notation, terminology and rhythms will also be explored thus providing the student a closer link with the performers. [One Semester] (*Prereq:* None)
- 0854 **Advanced Placement Art History** 11, 12 CSU, UC (f)
 Focuses primarily on the historical and critical aspects of the world of art. Through writings of artists and others he will come to an understanding of art in the world and its necessity to a culture. He will explore imagination, creativity, originality, artistic self-expression, and the role of art in an historical context. (*Prereq:* Refer to "Advanced Placement Policy.")
- 0847 **Drawing** 10, 11, 12 CSU, UC (g)* S
 An introduction to drawing with an emphasis on various styles: cross hatching, line drawing, shading, and pointillism. The student will also be introduced to the basic fundamentals of portraiture, landscape, and still life. The mediums to be used are pencil, charcoal, and pastel. [One Semester] (*Prereq:* None)
- 0848 **Advanced Drawing** 11, 12 CSU, UC (g) S
 Offers opportunities for the student-artist to further investigate observation and representation of form in space, figure drawing, and technical interpretation. This course further explores the medium of drawing and challenges the student to expand his creativity in form, idea, concept, materials and techniques. Mediums to be used: charcoal, pastel, colored pencils, and conte crayon. [One Semester] (*Prereq:* Successful completion of Drawing with a "B" or better and the permission of a studio arts instructor.)
- 0853 **Painting** 11, 12 CSU, UC (g) S
 Introduces the student to painting. An emphasis will be placed upon tone, intensity, and color mixing. The student will be introduced to blocking, layout, and design in terms of still life, landscape, and portraiture motifs. The mediums to be used are watercolor and acrylic. [One Semester] (*Prereq:* None.)

