

ST. LUCY'S PRIORY HIGH SCHOOL

COURSE DESCRIPTION GUIDE

2018-2019

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ST. LUCY'S
PRIORY
HIGH SCHOOL

HOW TO USE THIS COURSE DESCRIPTION GUIDE

This Course Description Guide will help students make the best-informed selection of high school courses.

Subjects fall into four general categories:

1. Subjects that must be taken to graduate from St. Lucy's
2. Subjects that must be taken to meet college/professional school requirements
3. Subjects chosen to broaden the understanding of the world
4. Subjects that may help prepare for a particular career

Before selecting any class, the following considerations should be made:

5. Success in similar classes
6. Special interests and abilities
7. Plans for college/career
8. The advice of parents, teachers/counselors who have knowledge of past performance and ability.

Page 1 of the booklet explains the St. Lucy's Priory High School's graduation requirements.

Pages 2-3 discuss the requirements needed for various colleges after graduating from St. Lucy's.

Pages 5-18 give a brief description of each class offered at St. Lucy's next year, as well as any special requirements or prerequisites needed for specialized classes.

ST. LUCY'S PRIORY HIGH SCHOOL GRADUATION REQUIREMENTS

Subject	9	10	11	12	Req. Total Credits
Religion	10	10	10	10	40
English	10	10	10	10	40
Social Studies		10	10	10	30
Foreign Language (Levels I & II)	10	10			20
Mathematics	10	10	10		30
Science	10		10		20
Visual & Performing Arts		10			10
Physical Education	10				10
Electives			10	30	40
TOTAL CREDITS REQUIRED	60	60	60	60	240

These credits are normally earned by the student graduating from St. Lucy's. Under certain circumstances, the administration may allow a student to have up to 10 fewer credits or to make substitutions for required classes. All such decisions, however, are made after an administrative review of the student's individual circumstances.

Grade Point Average (G.P.A.)

Calculation of G.P.A.

A= 4 points; B = 3 points; C = 2 points; D = 1 point

G.P.A. for Honors Level Courses

Students who take demanding, advanced academic courses in high school strengthen their preparation for university work and increase their chances of success. To encourage students to take such classes, UC and CSU give extra weight to grades earned in up to 8 semesters of A.P. or honors level courses. The classes given extra credit (A=5 points, B=4 points) must be taken in the last 2 years of high school.

AP classes or junior-level Chemistry Honors taken in sophomore year will also be weighted.

The AP Exam is considered a part of the AP course. Students who enroll in AP classes must take the AP Exam to gain the extra grade point credit.

To enroll in Honors (HP) or Advanced Placement (AP) courses students must qualify with the required prerequisite.

Advanced Placement Courses

An Advanced Placement course is taught as a college level course and follows the course description provided by the College Board Advanced Placement Program. The AP program is for students with exceptional ability, commitment and interest in the subject. All students enrolled in AP courses are required to take the AP exam in May to earn the weighted grade for the course.

Students seeking to enroll in an AP course must meet the prerequisites stated in this Course Description Guide and follow the prescribed approval procedures set by each department. Students who do not meet prerequisites will not be enrolled in an AP course.

Honors Courses

An Honors level course is designed to challenge students with above average ability and motivation. The pace is accelerated and the content advanced. The only Honors course that receives an extra grade point in the G.P.A. is Chemistry Honors.

A freshman is placed in an honors course based on entrance exam scores. Placement for students at all other levels is based on previous course performance and/or G.P.A.

Students seeking to enroll in an honors course must meet the prerequisites stated in this Course Description Guide and follow the prescribed approval procedures set by each department. Students who do not meet prerequisites will not be enrolled in an honors course.

REQUIREMENT OVERVIEW FOR COLLEGE SYSTEMS

CALIFORNIA STATE REQUIREMENTS

Any student who fulfills St. Lucy's requirements for graduation has automatically fulfilled all state academic requirements for graduation.

Units Granted:

- 5.0 units - Semester class
- 10.0 units - Yearlong class

UNIVERSITY OF CALIFORNIA AND CALIFORNIA STATE UNIVERSITY

(1 unit = a one-year course)

- A) History: 2 units - One of World History and one of U.S. History or U.S. Government (for CSU, the World History may be replaced by another social science)
- B) English: 4 units- College preparatory English combines composition and literature
- C) Mathematics: 3 units- College Preparatory Mathematics, which includes Algebra 1, Geometry, and Algebra 2 (4 units recommended)
- D) Laboratory Science: 2 units - Laboratory Science courses. One year of life science and one year of physical science chosen from Biology, Chemistry (or Physical Science for CSU only), or Physics Three (3) units recommended.
- E) Foreign Language: 2 units - Levels 1 and 2 of the same language (3 units recommended)
- F) Visual & Performing Arts: 1 unit- (yearlong course)
- G) College Preparatory Electives: 1 unit - One unit in addition to those required in A through F to be chosen from the following subject areas: history, English, advanced mathematics, laboratory science, foreign language, social science, and visual and performing arts. (In general, elective courses should involve considerable reading and should aim to develop a student's analytical and reasoning ability and skill with written and oral exposition.)

THE UNIVERSITY OF CALIFORNIA

The schools in the U.C. system are: Davis, Berkeley, San Francisco (for upper division and graduate students in medical field only), Santa Cruz, Santa Barbara, Los Angeles (UCLA), Irvine, Riverside, San Diego and Merced.

Examination Requirements:

ONE APTITUDE TEST - either the SAT with Writing or the ACT with Essay.

The UC/CSU GPA is based on sophomore and junior years, college prep classes only. A student with a grade point average of 3.45 or higher on the a-g requirements will probably be accepted to the system but not necessarily to her first-choice campus or major. The student with a G. P A between 3.45 and 3.0 must meet the specific required scores of the Eligibility Index. The student with less than a 3.0 is not eligible. The Eligibility Index uses the G.PA and the results of the SAT or ACT.

CALIFORNIA STATE UNIVERSITIES Southern California: Northridge, Los Angeles, Dominguez Hills, Long Beach, Fullerton, Cal Poly Pomona, San Bernardino, San Diego, San Marcos and Channel Islands.

Central and Northern California: Bakersfield, Fresno, Cal Poly San Luis Obispo, Stanislaus, San Jose, East Bay, Sacramento, San Francisco, Sonoma, Chico, Humboldt, Monterey Bay, and California Maritime Academy.

First-time freshman eligibility for the State Universities is governed by the Eligibility Index. The Index is computed using the high school G.P.A. on A-G course work completed in the sophomore and junior years of high school and the results of either the ACT or SAT.

Students with G.P.A.s below 2.0 are not eligible. Students with G.P.As above 2.99 are eligible with any test score.

California State Universities also give extra weight for up to 8 semesters of A. P. or Honors Courses.

Keep in mind that eligibility for both U.C. and C.S.U. describes minimum requirements. Selection criteria at impacted (overcrowded) campuses are usually much higher.

PRIVATE COLLEGES/UNIVERSITIES

Each Catholic college, private college or university has its own set of requirements for freshman admission.

Individual college catalogs and websites for specific high school course requirements are important to check.

Naviance, www.collegeboard.org and the College Handbook, available in the school guidance room and resource center, also list required subjects. In general, meeting the California State and U.C. subject requirements will qualify students for most private colleges. G.P.A. requirements vary widely, but generally are a "B" average.

Examination Requirement*

Most private colleges and universities also require that the student take either the ACT or the SAT prior to acceptance.

University (UC, CSU) Scholarship Requirements

A student must earn a "B" average in the A-G courses with no grade less than "C". A course with a grade of "D" is not recognized as fulfilling the requirements for college admission. Grades received in freshman year or earlier will not be used in determining the G.P.A.

A course with a grade of "D" may be counted toward St. Lucy's graduation but colleges will not recognize the course as fulfilling requirements for admission.

(P) or (AP) indicates an approved U.C. requirement or elective.

P* indicates a U.C. requirement or elective pending approval.

Further academic procedures may be found in the Parent-Student Handbook.

ST. LUCY'S PRIORY HIGH SCHOOL SPECIFIC DEPARTMENT REQUIREMENTS

Freshman	Sophomore	Junior	Senior	Course Name
				Religion
X				Who is Jesus Christ?
	X			The Mission of Jesus
		X		Sacraments as Privileged Encounters with Jesus Christ, Life in Christ
			X	Catholic Social Teaching, Christian Lifestyles
				English
X				English I or English I Honors
	X			English II or English II Honors
		X		American Literature or AP English Language
			X	English Literature or AP English Literature
				Social Sciences
	X			World History or AP European History
		X		US History or AP US History
			X	US Government or AP US Government and Economics
				Foreign Language
X				Spanish I or French I
	X			Spanish II or French II
				Requirement must be completed in same language
				Mathematics
X				Algebra 1, Advanced Algebra 1, Advanced Algebra 1 Honors, Advanced Geometry or Advanced Geometry Honors
	X			Geometry, Advanced Geometry, Advanced Geometry Honors, Algebra 2, Algebra 2 Honors, Advanced Algebra 2 Honors
		X		Algebra 2, Advanced Algebra 2, Advanced Algebra 2 Honors, Statistics, Pre-Calculus, Calculus, AP Calculus
				Science
X				Biology
		X		Chemistry, Chemistry Honors, Physical Science
				Chemistry, Chemistry Honors, Physical Science, Physics, AP Biology, Anatomy and Physiology, Sports Medicine, Environmental Science, AP Environmental Science, Individual Scientific Research
				Physical Education
X				Health and Physical Education
				Visual and Performing Arts
	X			Studio Arts, Theater Arts, Music Theory, or Dance

ENGLISH

St. Lucy's minimum graduation requirements include four years or 40 credits of English. Students who demonstrate high ability through special testing and consistent high performance at a 3.5 G.P.A. may take Advanced Placement (AP) level courses with the corresponding AP Exams.

NOTE: Vocabulary and writing are included in all English studies at all levels.

REQUIRED COURSES ENGLISH I(P) - GRADE 9

A course providing vocabulary, spelling, parts of speech, sentence development, and basic punctuation skills taught in conjunction with the mechanics of writing. An introduction to a wide variety of literary forms including the short story, novel, poetry, drama, and legend are taught along with literary terms.

Oral presentation required

UC approved; One-year course

OR

ENGLISH I HONORS (P) - GRADE 9

A course providing vocabulary and spelling, parts of speech, sentence development, and basic punctuation skills taught in conjunction with the mechanics of writing. An introduction to a wide variety of literary forms including the short story, novel, poetry, drama and legend are taught along with literary terms. Additional novels are taught at the honors level.

Prerequisites: National Percentile of 90% in Verbal Skills, Reading, Language Arts and Composite Score.

Oral presentation required.

UC Approved; One-year course

ENGLISH II (P) - GRADE 10

A continuation of the study of literary genres with an emphasis on the theme. Tone, style, figurative language, author's voice, vocabulary, grammar, composition, and research skills are further developed.

Research paper and oral presentation required.

UC Approved; One-year course

OR

ENGLISH II HONORS (P) - GRADE 10

A continuation of the study of literary genres with an emphasis on the theme. Tone, style, figurative language, author's voice, vocabulary, grammar, composition, and research skills are further developed. Additional novels are taught at the honors level.

Prerequisites: requires G.P.A. of 3.5 each quarter and an "A" in each quarter of English I or a grade of "B" each quarter in English I Honors.

Research paper and oral presentation required.

UC Approved; One-year course

AMERICAN LITERATURE (P) - GRADE 11

A course designed to acquaint students with the chronological history of American literature and its on-going concerns, styles, themes with special emphasis on 19th and 20th century poetry, prose, and drama. Writing includes a review of the four modes of writing (narrative, descriptive, persuasive, and expository) with special emphasis on literary analysis and criticism. Papers emphasizing literary criticism, objective exams, and oral presentations are used to support instruction.

Research paper and oral presentation required.

UC Approved; One-year course

OR

A.P. ENGLISH LANGUAGE (P)

An advanced course with special emphasis on American literature, presenting a chronological historical context with focus on 19th and 20th century fiction and non-fiction prose and drama. Specific instruction is offered in preparation for the AP Language Exam with emphasis on the analysis of prose literature and the study of language, rhetorical technique, and composition. Sample AP Exams and in-class timed writings serve as specific aides in instruction.

Prerequisite: GPA of 3.5 each quarter and a grade of "A" in English II each quarter, or a "B+" in English II Honors. Students who register must take the AP Exam.

Research paper and oral presentation required.

UC Approved; One-year course

ENGLISH LITERATURE (P) - GRADE 12

A course surveying quality English literature presented in a historical context and emphasizing in-depth study of poetry, prose, and drama that have reflected and been influenced by world history from Anglo Saxon times to the post-modern age. Short papers emphasizing literary criticism, objective exams, oral presentations, and creative activities are used to support instruction.

UC Approved; One-year course

OR

A.P. ENGLISH LITERATURE (P)

An advanced course surveying quality English Literature presented in historical context and emphasizing close reading of a wide range of poetry, prose, and drama from Anglo-Saxon contemporary work. Specific instruction is offered in preparation for the AP Literature and Composition Examination with an emphasis on analysis of structure, style, themes, tone, figurative language and imagery. Sample AP Exams and in-class timed writings serve as specific aides in instruction.

Prerequisite: GPA of 3.5 each quarter and a grade of "A" in American Literature each quarter, or a "B+" in AP English Language. Students who register must take the AP Exam.

UC Approved; One-year course

ELECTIVE COURSES

CREATIVE WRITING (P) - GRADES 11, 12

A course designed for students who enjoy writing as a form of art and personal expression. Students will be provided with opportunities to study varied forms of poetry and prose and write creatively in different genres.

UC Approved; One semester course

CALIFORNIA LITERATURE & HISTORY (P) - GRADES 10, 11, 12

This course is a blend of literature and history from early statehood to the early days of Hollywood and its influence on the cultural landscape of California and the west. This course encompasses the history of California through the novel, short stories, poetry and film.

UC Approved; One semester course

JOURNALISM - GRADES 10, 11, 12

A workshop class providing experience in writing for publication through the gathering of materials, layout, and typography for the school paper, THE LAUREATE. Students also work in digital journalism by writing stories for *High School Insider*, a program of the *Los Angeles Times*.

Prerequisites: "A" average in English; Journalism teacher's approval.

Pass/Fail grading is used; One-year course

YEARBOOK - GRADES 10, 11, 12

A workshop course designed to produce St. Lucy's LUMEN and the literary magazine. Included is practice in page planning, copy writing, photography, and layout techniques.

Prerequisites: Minimum G.P.A. of 2.5 and an interview process including teacher recommendation.

Pass/Fail grading is used; One-year course

FOREIGN LANGUAGE

FRENCH I (P) - Grades 9, 10, 11

An audio-lingual course in elementary French to develop basic listening, speaking, reading and writing skills in the French language. An emphasis is placed on mastering of the grammar and syntax of the language. French civilization and culture are also introduced.

UC Approved; One-year course

FRENCH II (P) - GRADES 9, 10, 11, 12

An audio-lingual course designed to strengthen and expand the skills mastered in French I. New forms of grammar and syntax are presented to enable greater fluency in comprehension and conversation. Continued study of the culture of the French-speaking world is included.

Prerequisite: Successful completion of French I.

UC Approved; One-year course

FRENCH III (P) - GRADES 10, 11, 12

An audio-lingual course conducted in French covering advanced grammatical structure and conversational French. Literary forms such as poems and short stories are included. Continued study of the franco-phone world and culture is done, as well as some world issues.

Prerequisite: "B" in French II each quarter

UC Approved; One-year course

OR

SPANISH I (P) - GRADES 9, 10, 11

An audio-lingual course designed to develop basic listening, speaking, writing and reading skills in the Spanish language. An emphasis is placed on mastery of the grammar and syntax of the language. An important facet of the course is the use of dialogues based on everyday situations and language tapes and videos. Aspects of the Hispanic cultures are introduced.

UC Approved; One-year course

SPANISH II (P) - GRADES 9, 10, 11, 12

An audio-lingual course designed to strengthen and expand the skills mastered in Spanish I. New forms of grammar and syntax are presented to enable greater fluency in comprehension and conversation. Continued study of the culture of the Spanish-speaking world is also included.

Prerequisite: Successful completion of Spanish I.

UC Approved; One-year course

SPANISH III (P) - GRADES 10, 11, 12

An audio-lingual course designed to promote the effective use of the four language skills utilizing advanced grammatical structures and vocabulary. Continued study of Spanish-speaking cultures is included.

Prerequisite: "B" in Spanish II each quarter

UC Approved; One-year course

A.P. SPANISH IV LANGUAGE & CULTURE (AP) - GRADES 11, 12

A course conducted in Spanish to develop written and oral communication skills with accuracy and fluency approximate to that of native ability. The course includes study and discussion of Spanish and Latin American cultures and societal issues. Extensive preparation for the A. P exam is included. The use of technology is essential in this course.

Prerequisite "A" in Spanish III each quarter or a "B" in Spanish III for native speakers. Students who register must take the AP Exam.

UC Approved; One-year course

MATHEMATICS

St. Lucy's graduation requirements include 3 years or 30 credits of mathematics. However, it is highly recommended that a student with a strong academic record and a desire to attend a four-year university take four years of college preparatory mathematics.

GRADE 9 - REQUIRED

Algebra 1, Advanced Algebra 1 or Advanced Algebra 1 Honors

GRADE 10 - REQUIRED

Geometry, Advanced Geometry or Advanced Geometry with Honors.

GRADE 11 - REQUIRED

Algebra 2, Advanced Algebra 2 or Advanced Algebra 2 Honors

GRADE 12 -

Statistics and Probability, Computer Science 1 and or 2, Pre-Calculus, Calculus, or AP Calculus.

A grade 9 student who has had a full year of Algebra 1 in grade 8 AND successfully passes the Algebra examination may take Advanced Geometry and must complete 30 credits of college preparatory mathematics courses.

REQUIRED COURSES

ALGEBRA 1 (P)

A course designed to study the basic techniques of a standard first year algebra course with a limited study of the real number system with emphasis on the computational skills with integers and variables; algebraic concepts are applied.

UC Approved; One-year course

ADVANCED ALGEBRA I (P)

A systematic investigation of the properties of real numbers with emphasis on the acquiring of skills in the application of algebraic concepts.

Prerequisite: Above 40% tile on the entrance exam.

UC Approved; One-year course

ADVANCED ALGEBRA 1 HONORS (P)

A systematic investigation of the properties of real numbers and algebraic concepts. (Grade point of A=4 points).

Prerequisites: 90% tile in Quantitative Skills, Math Basic Skills, and Composite Score on the entrance exam.

UC Approved; One-year course

GEOMETRY (P)

A study of Euclidean plane geometry which emphasizes the deductive reasoning process and the application of Algebra in geometry as well as an introduction to Algebra 2.

Prerequisite: Algebra 1

UC Approved; One-year course

ADVANCED GEOMETRY (P)

An advanced course in geometry, which includes theory and application, inductive and deductive reasoning, a review of algebraic skills as they apply in geometry, and introductions to trigonometry, constructions and coordinate geometry. This course also includes a quarter-length introduction to Algebra 2.

Prerequisites: "C+" or higher each semester in Advanced Algebra 1, or "A" each semester in Algebra 1.

Note: Students with a "C+" or higher remain in the "Advanced" Track. Students with a "C" or below must have teacher approval to remain in the "Advanced" Track.

UC Approved; One-year course

ADVANCED GEOMETRY HONORS (P)

An honors course in geometry, which includes theory and application, inductive and deductive reasoning, introductions to trigonometry, constructions, coordinate geometry, and transformations and a quarter length introduction to Algebra 2. (Grade point of A =4 points)

Prerequisites: "B" or higher each semester in Adv. Algebra 1 Honors or an "A" each semester in Advanced Algebra 1.

Note: Students with a "B" or higher remain in the "Advanced Honors" Track. Students with a "C+" or below must have teacher approval to remain in the "Advanced Honors" Track.

UC Approved; One-year course

ALGEBRA 2 (P)

An axiomatic approach to the study of real and complex numbers and also an introduction to functions and analytic geometry.

Prerequisites: Algebra 1 and Geometry.

UC Approved; One-year course

ADVANCED ALGEBRA 2 (P)

An advanced course using an axiomatic approach to the study of real and complex numbers with an introduction to functions and analytic geometry; trigonometric functions and triangle trigonometry are included.

Prerequisites: "B" or higher each semester in Advanced Algebra 1 and Advanced Geometry.

Note: Students with a "C+" or higher remain in the "Advanced" Track. Students with a "C" or below must have teacher approval to remain in the "Advanced" Track.

UC Approved; One-year course

ADVANCED ALGEBRA 2 HONORS (P)

An honors course with an in-depth axiomatic approach to the study of real and complex numbers and an introduction to functions and analytic geometry. The study of trigonometric functions, circular functions and proofs of trigonometric identities is also included. (Grade point of A =4 points)

Prerequisites: "B" each semester in Advanced Algebra 1 Honors and in Advanced Geometry Honors.

Note: Students with a "B" or higher remain in the "Advanced Honors" Track. Students with a "C+" or below must have teacher approval to remain in the "Advanced Honors" Track.

UC Approved; One-year course

STATISTICS AND PROBABILITY (P)

The course is a non-calculus mathematics based introduction to statistics and uses statistical methods to interpret real-life data. Methods of gathering data are introduced; students collect, organize, analyze, and interpret numerical information and data is graphed on histograms, bar graphs, etc. Probability theory and binomial probability are defined and examined. Averages, variations, standard deviation, normal distribution, and sampling distributions are studied. Students explore concepts such as Confidence Intervals, Hypothesis Testing, Correlation and Regression and use data analysis for individual and for group projects.

Prerequisites: "B" each semester in Algebra 2 or a "C" or better in Advanced Algebra 2.

UC Approved; One-year course

COMPUTER SCIENCE 1

A semester course designed to introduce the student to the fundamentals of computer programming through the language of Python. Students will learn to use commands, functions, conditionals, booleans, and loops. No previous coding experiences is required.

One semester course

COMPUTER SCIENCE 2

A semester course designed to introduce the student to the advanced features of the Python language. Students are asked to have a working knowledge of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games.

Prerequisite: Computer Science 1, One semester course.

PRE-CALCULUS (P)

A course that prepares students for Calculus through a study of polynomial and rational functions, trigonometry, analytic geometry, limits and differential calculus.

Prerequisites: "B" each semester in Algebra 2 or a "C" or better in Advanced Algebra 2.

UC Approved; One year course

CALCULUS (P)

A full year course in the study of the limit theory and also of differential and integral calculus. Algebraic functions are used.

Prerequisites: "C" each semester in Advanced Algebra 2 Honors or a "B" in Advanced Algebra 2.

UC Approved; One year course

A.P. CALCULUS (AP)

An in-depth study of limit theory, differential and integral calculus with emphasis on techniques using algebraic functions.

Prerequisites: "A" in Advanced Algebra 2 Honors each semester Students who register must take the AP Exam. Advanced Algebra 2 students must obtain Teacher Approval.

UC Approved; One year course

PHYSICAL EDUCATION/HEALTH

PHYSICAL EDUCATION/HEALTH - GRADE 9

Two semesters of physical education must be completed before the completion of grade 9. Basic knowledge of team and individual sports is emphasized. Each unit includes basic strategy, game rules, skills, drills, tournament play, written and skills testing, and a writing component. Physical education also includes a health component consisting of the knowledge of three basic areas: physical health, mental and emotional health and social health.

Freshman requirement; One year course

SPORTS - GRADES 9, 10, 11,12

Students participate in seasonal sports, which are the following:

FALL: Golf, Volleyball, Tennis, Cross-Country;

WINTER: Basketball, Soccer, Water Polo;

SPRING: Softball, Swimming, Track & Field, Equestrian League

2.5 units per sport. Pass/Fail grading is used.

ATHLETICS STUDENT AIDE - GRADE 12

The student assists in the athletic office to help with general errands, mailings, filing, and other areas of need.

Prerequisite: Approval of the Athletic Director

Pass/Fail grading is used; One semester course

INDIVIDUAL EXERCISE - GRADES 11,12

This course is designed for the student who wishes to begin an exercise program. Concentration is on three areas of fitness: cardiovascular, strength and flexibility. Aerobic and anaerobic exercises, jogging, stretching, yoga, Pilates, weight lifting and circuit training are used to attain any fitness goal.

Pass/Fail grading is used; One semester course

SPECIAL SERVICES

OFFICE AIDE - GRADE 12

The student assists in the Main Office to help with general errands, mailings, filing, and other areas of need.

Pass/Fail grading is used; One semester course

RELIGION

All students are required to enroll in a religion class each semester; all students take two one-semester courses each year. Family Life is taught each year in accordance with the Archdiocese of Los Angeles and USCCB.

THE REVELATION OF JESUS CHRIST IN SCRIPTURE - GRADE 9

The course provides a general knowledge and appreciation of the Sacred Scriptures. The study of the Bible encounters Jesus Christ as the living Word of God. Particular attention to the Gospels allows growth in knowing and loving Jesus Christ more personally.

Freshman requirement; One semester course

WHO IS JESUS CHRIST? (CHRISTOLOGY) - GRADE 9

The course reveals the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. Jesus Christ is seen as the ultimate revelation from God in who Christ is and who the student is called to become.

Freshman requirement; One semester course

THE MISSION OF JESUS CHRIST- THE PASCAL MYSTERY- GRADE 10

This course helps students understand all that God has done for us through his Son, Jesus Christ. Students learn that God has planned for us to share eternal happiness with him. Students are also introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Sophomore requirement; One semester course

JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH - GRADE 10

This course helps students understand that in and through the Church they encounter the living Jesus Christ. Students learn not just the events in the life of the Church but the sacred nature of the Church.

Sophomore requirement; One semester course

SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST - GRADE 11

This course helps students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist.

Junior requirement; One semester course

LIFE IN JESUS CHRIST - GRADE 11

The course helps students understand that it is only through Christ that they can fully live out God's plan for their lives. Students learn the moral concepts and precepts that govern the lives of Christ's disciples.

Junior requirement; One semester course

CATHOLIC SOCIAL TEACHING- GRADE 12

The course provides the latest applications of the Church's social teaching. Highlighting two important principles-the dignity of the human person and respect for life- the course explores concepts like the common good, the preferential option for the poor, solidarity among all people and the stewardship of resources. Students will receive hands-on activities that motivate teens to effect positive social change.

Senior requirement; One semester course

CHRISTIAN LIFESTYLES - GRADE 12

A study of basic human relationships and the meaning of being an integrated person which embraces human sexuality, the value of chastity, the single life, dating, priesthood, religious life, and ordained ministry. The course also includes a study of the meaning of Christian Marriage including relationships, communication, commitment and sacrament.

Senior requirement; One semester course

SCIENCE

St. Lucy's graduation requirements include 2 years or 20 units of science. Students eligible for UC entry-level universities should strongly consider taking Chemistry Honors, Physics, or AP Biology.

GRADE 9 – REQUIRED

Biology

GRADE 10, 11, 12

Physical Science, Chemistry or Chemistry Honors

BIOLOGY (P) -GRADE 9

This is a standards-based lab course based on the study of living things that meets or exceeds state guidelines. Topics include cell structure and function, genetics, reproduction, evolution, and a survey of the kingdoms.

UC Approved; One-year course

PHYSICAL SCIENCE (P) - GRADES 10, 11, 12

The course is designed to explore a broad spectrum of science that introduces students to scientific research. They perform experiments, collect data, perform calculations based on the data and learn proper techniques of scientific laboratory reports.

Prerequisites: Biology

UC Approved; One-year course

CHEMISTRY (P) - GRADES 10, 11, 12

A college preparatory course in the basic concepts of chemistry. The major topics presented include phases of matter, nomenclature, chemical reactions, atomic structure and theory, general stoichiometry, periodic table, bonding, chemical equilibrium, and thermodynamics. Solution chemistry, acid/base chemistry, oxidation/reduction reactions are also discussed. Laboratory experiments are designed to illustrate principles covered in lecture.

Prerequisites: G. P. A of 3.0 each quarter and a "B" in Biology AND either "B's" in Physical Science each quarter or a score of 80% on a Chemistry Readiness Test.

UC Approved; One year course

CHEMISTRY HONORS (HP) - GRADES 10, 11

An in-depth survey course in the basic concepts of chemistry, which include phases of matter, nomenclature, chemical reactions, atomic structure and theory, general stoichiometry, periodic table, bonding, chemical equilibrium, and thermodynamics. Solution chemistry, acid/base chemistry, oxidation/reduction reactions are also discussed. Concepts and skills are reinforced by a strong emphasis of hands-on laboratory experiences with the utilization of mathematical, analytical skills with data acquisition. Chemistry Honors receives an extra grade point in the G.P.A.

Prerequisites: G. P. A of 3.5 each quarter and a "A" in Biology each quarter, a "B" each quarter in current math class AND either "B's" in Physical Science each quarter or a score of 90% on a Chemistry Readiness Test.

UC Approved; One year course

PHYSICS (P) - GRADES 11, 12

A college preparatory course in which motion, forces, vectors, heat, sound, electricity, and magnetism are treated from an investigative and conceptual approach. This course is recommended for all students planning a career in a science or technical field.

Prerequisites: 3.0 G.P.A., "B's" in Advanced Algebra 2 or Honors each quarter, and one year of Chemistry with an "A-" each quarter or Honors Chemistry with a "B" each quarter. Calculus or AP Calculus may be taken concurrently

UC Approved; One year course

ENVIRONMENTAL SCIENCE (P) - GRADES 11, 12

This course is designed to enable students to understand the relationship between humans and their environment. It will challenge them to appreciate the complexity of the web of life and our responsibilities as individuals to maintain and preserve this delicate planet. The roles of politics, the economy and science are analyzed in relation to this increasingly important subject.

Prerequisites: one year of Biology and one year of Physical Science or Chemistry. Non-lab Science.

UC Approved; One semester course

A.P. BIOLOGY (AP) - GRADES 11, 12

An intensive survey course intended for students whose college major may be in the biological lab sciences or associated fields. The course is designed to prepare students for the A.P. Biology examination which tests in the units of molecular biology, cellular structure and function, genetics, evolution, organisms and system populations, experimental design, data analysis, and critical thinking. Students will be required to attend a weekly extra half-hour class beyond the regular school schedule to allow longer laboratory activity.

Prerequisites: G.P.A. of 3.5 each quarter, an "A" in Biology and a "B" in Honors Chemistry or a "B+" in Physics each quarter. Students who register must take the AP Exam.

UC Approved; One year course

ANATOMY AND PHYSIOLOGY (P) - GRADES 11, 12

This two-semester course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, cytology, histology, and the integumentary skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems as well as metabolism and nutrition. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments, computer stimulations, and multimedia presentations.

Prerequisites: C+ in Biology

UC Approved; One-year course

SPORTS MEDICINE - GRADES 11, 12

This course introduces students to the study of human kinesiology. Course content is an in-depth study of the human musculoskeletal system as it relates to the prevention, treatment, and basic rehabilitation of common sports related injuries. Class provides a foundation for students who want to pursue college level work in a variety of health and science related fields.

One semester course

A.P. ENVIRONMENTAL SCIENCE (P) - GRADES 11, 12

This course stresses scientific principles and analysis and includes a laboratory component. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, to examine alternative solutions for resolving and/or preventing them, and to develop and focus on their own political perspective.

Prerequisites: GPA of 3.5 each quarter. Completion of two years of high school laboratory science with grades of B or better. Students who register must take the AP Exam.

UC Approved; One year course

SCIENTIFIC RESEARCH - GRADES 11, 12

A college preparatory course which stresses original and independent research. Students generate a research question, conduct a literature review, collaborate with content area experts, develop a hypothesis, collect and analyze data, and present research at an annual Student Independent Research Symposium.

Additionally, all students will be required to prepare and participate in the Los Angeles Science Olympiad.

Prerequisites: G.P.A. of 3.5 and must have taken Chemistry and earned a B+ or better every quarter.

One year course

SOCIAL SCIENCE

REQUIREMENTS TOTAL 30 CREDITS

GRADE 10 – REQUIRED

World History, World History Honors or AP European History

GRADE 11- REQUIRED

U.S. History or A.P. U.S. History

GRADE 12-

U.S. Government or
A.P. U.S. Government and Politics (Sem. 1) Economics (Sem. 2)

WORLD GEOGRAPHY AND CULTURES (P) - GRADE 10, 11, 12

A course that introduces students to an exploration of physical and human geography. Students learn about the methods and tools geographers use, such as mapping and population data. Themes explored include: the ways in which human populations are organized geographically and by nation, traits of cultural groups such as language, religion, race, ethnicities and values, and the relationship between culture and the environment.

UC Approved; One semester course

WORLD HISTORY (P) - Grade 10

A chronological account of the origin and development of Western and Eastern Civilization, including democratic ideals, institutions, practices and cultures. Emphasis is placed on causes and effects and underlying trends and movements.

UC Approved; One year course

U.S. HISTORY (P) - GRADE 11

A chronological exploration of the rich story of the United States. Focus will be placed on the major turning points in American history, with an emphasis on U.S. democratic ideals from American beginnings to modern times. An examination of the lives of Americans in various time periods will make history human and relevant for students.

UC Approved; One year course

OR

A.P. U.S. HISTORY (AP) - GRADE 11

This course is an intensive examination of the United States from the Age of Exploration to the present. The course prepares students for intermediate college courses through requirements equivalent to those of a full year introductory college course. Students develop the analytic skills and the factual knowledge necessary to deal critically with the problems and materials in U.S. History.

Prerequisites: G. P. A. of 3.5 each quarter and an "A" in sophomore English each quarter, or a "B" in sophomore English Honors. Students who register must take the AP Exam.

UC Approved; One year course

U.S. GOVERNMENT (P) - GRADE 12

A study of the basic principles of the United States Constitutional System with an emphasis on current events to show these principles as applied today. The law-making process is explained and discussed in terms of the current political situation in Congress. The student also experiences the American political system and is prepared to participate actively in our election system.

UC Approved; One semester course

A.P. U.S. GOVERNMENT AND POLITICS (AP) - GRADE 12

An intensive examination of the basic principles of the United States constitutional system and the political ideology of the United States government. The course will give students an analytical perspective on government and politics in the United States and will involve both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Important Supreme Court cases will be examined as a means of tracing the evolution of the United States legal system.

Prerequisites: G.P.A. of 3.5 each quarter, "A" in U.S. History each quarter or a "B" in A.P. U.S. History each quarter. Students who register must take the AP Exam.

UC Approved; One semester course

ECONOMICS (P) - GRADE 12

A course designed to provide students with an understanding of the American market economy that includes economic principles as applied to the United States and global economies. The course helps the student analyze, evaluate and apply economic theory to contemporary problems.

UC Approved; One semester course

A.P. EUROPEAN HISTORY (AP) - GRADES 10, 11, 12

An intense examination of modern European history from the Renaissance to the present, stressing democratic ideas, institutions and practices through cause and effect reasoning. Course structure consists of lecture, discussion, writing, and reading.

Prerequisites: G.P.A. of 3.5 each quarter, an "A" in English or a "B" in English Honors each quarter.

Students who register must take the AP Exam.

UC Approved; One-year course

PSYCHOLOGY I (GENERAL PSYCHOLOGY) (P) - GRADES 11, 12

This course provides students with an overview of general psychology, its theories, principles and practice. For the college-bound student this course provides a foundation and background for an introductory college course in psychology.

UC Approved; One semester course

PSYCHOLOGY III (PSYCHOLOGY FOR TODAY) (P) - GRADES 11, 12

This course provides students with an overview of health-related issues with a more in-depth perspective on topics including stress, depression, loss and grief, relaxation and self-regulation techniques, family dynamics, and relationships. Students are exposed to theories, perspectives, and applications. For the college bound student, this course provides a foundation and background for an introductory college course in health psychology.

UC Approved; One semester course

WORLD RELIGIONS (P) - GRADES 11, 12

The course builds on students' understanding of their own Catholic Christian faith to study different religious traditions. Beginning with Judea-Christian history, the class expands to include ancient religions including Islam, Hinduism and Buddhism. The course moves on to those religions that sprang from America's Protestant roots including Mormonism, Jehovah's Witnesses and the Church of Christ, Scientist.

UC Approved; One semester course

AP PSYCHOLOGY (P) – GRADES 11,12

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in the science and practice of psychology

Prerequisites: Cumulative 3.5 GPA and "B" grade or better in English. All students who register must take the AP Exam.

UC Approved; One year course

VISUAL & PERFORMING ARTS

REQUIREMENTS TOTAL 10 CREDITS

GRADE 10 – REQUIRED

Studio Arts, Dance I, Theater Arts, Music Theory or Choir.

STUDIO ARTS (P) - GRADES 10, 11,12

A sequential and cumulative yearlong course of study of the elements of art and the principles of design utilizing lecture, discussion and the critical analysis of famous works of art from ancient to contemporary cultures. Each area of study culminates in a two or three- dimensional artwork that students create using a variety of media. Techniques are demonstrated through group and individual instruction and practiced by students so that a high degree of competence is achieved and the skills necessary for creative expression are acquired.

UC Approved; One year course

THEATER ARTS (P) - GRADES 10, 11, 12

A course that introduces a variety of performance situations including experience in basic public speaking. Units include reader's Theater, monologues, performance of scenes from plays, dramatic readings, movement, terminology, interpretive reading, improvisation, dramatic literature, and the history of the Theater. Technical or public performance participation required.

UC Approved; One year course

MUSIC THEORY (P) - GRADES 10, 11, 12

Students will learn to enjoy music more fully by gaining an understanding of how music is constructed. Having gained this knowledge, the students will be prepared to compose music through melody, harmony, and chord progressions. An emphasis will be placed on traditional jazz and pop progressions.

UC approved; One year course

DANCE (P) - GRADES 10, 11, 12

A course encompassing the history of dance, the basic techniques of ballet, jazz, modern dance, hip hop, and the basics of choreography. Students are instructed in the elements of warm-up techniques, dance styles, choreography, and dance appreciation. Class performances are required.

UC Approved; One year course

ELECTIVE COURSES

ADV. ART II: (CALLIGRAPHY/COMMERCIAL ART) (P) - GRADES 11,12

This class is designed to prepare the student for the art/advertising field. The student learns several types of lettering and their appropriate uses in advertising layouts, posters, advertisements, letterhead, and package designs. Students learn the historical development of alphabets and calligraphic styles and practice Italic and Gothic alphabets.

Prerequisite: "B" in Studio Arts.

UC Approved; One semester course

ADV. ART III:(DRAWING) (P) - GRADES 11,12

A class to develop the student's drawing skills. The techniques of composition, perspective, light logic, contour, realism, and expression are studied, as well as use and care of materials.

The student works to develop a portfolio.

Prerequisite: "B" in Studio Arts.

UC Approved; One semester course

ADV. ART IV: (PAINTING/SCULPTURE) (P) - GRADES 11,12

This class expands the basics acquired in Studio Arts and Drawing (Adv. Art III) as the students learn more painting techniques. Color theory, realism and abstraction are studied. This course also offers experimentation with three-dimensional forms. The students work with wood, paper, cardboard, and clay to create abstract sculptures.

Prerequisites: "B" in Studio Arts and Drawing.

UC Approved; One semester course

ADV. ART V: (COMPUTER BASED VISUAL ARTS) (P) - GRADES 11,12

A course that allows students to utilize the computer as a medium for creating visual art forms and analyzing and responding to these art forms. Students will relate work completed in class to the work presented in society past and present. Students will respond to, analyze, and form both written and oral critical assessments on their personal and classmates' original works.

Prerequisite: "B" in Studio Arts.

UC Approved; One semester course

ADV. ART VI: (COMPUTER DRAWING/PAINTING) (P) - GRADES 11,12

A course developed for students interested in learning computer painting techniques while utilizing the latest computer drawing and painting programs. Students will respond to, analyze, and form both written and oral critical assessments on their personal and classmates' original works.

Prerequisite: Adv. Art V.

UC Approved; One semester course

ADV. ART VII: (INDEPENDENT ART PROJECTS) (P) - GRADE 12

A class designed to have students create two and three-dimensional artwork in their chosen areas of interest using professional media and learning advanced techniques through teacher demonstration, critique, periodicals and art reference books. Students work toward completion of a portfolio.

Prerequisites: Two art classes and permission of department chairperson. ONE ART CONTEST PER SEMESTER MUST BE ENTERED.

UC Approved; One semester course

ART APPRECIATION: THE WORLD OF ART AND MUSIC (P) - GRADES 11, 12

A chronological study of the humanities in the Western world. This course explores the major styles as they appear in the arts of painting, sculpture, literature, and music from antiquity to the present day.

UC Approved; One semester course

CONTEMPORARY MEDIA (P) - GRADES 11, 12

A course designed for students learning to analyze film critically as a medium of communication and a distinctive art form in the culture. Various genres, themes, and film elements are investigated and evaluated through discussion and viewing. Students apply what is learned as a result of their critical assessments by creating their own short film.

UC Approved; One semester course

DANCE 2 (P) - GRADES 11, 12

The course will expand the student's knowledge of the history of dance, the advanced techniques of ballet, jazz, modern dance, hip hop, and the application of choreography. Students will be instructed and expected to implement and respond to the dance styles, choreography, and dance appreciation in student produced pieces and presentations. Class performances are required. Dance attire is required.

Prerequisite: Dance or permission of instructor

UC Approved; One semester course

DANCE 3 (P) - GRADES 11, 12

The course will expand the student's knowledge of the history of dance, the advanced techniques of ballet, jazz, modern dance, hip hop, and the application of choreography. Students will be instructed and expected to implement and respond to the dance styles, choreography, and dance appreciation in student produced pieces and presentations. Class performances are required. Dance attire is required.

Prerequisite: Dance or permission of instructor

UC approved; One semester course

SEWING 1- GRADE 12

A course designed for the student with limited or no previous sewing experience. The student is introduced to the basic principles of apparel design, construction, and pattern alteration. Estimated cost of sewing equipment and project materials would be \$50-\$100.

Pass/Fail grading is used; One semester course

SEWING II - GRADE 12

A second semester course for the advanced student to pursue greater skill in apparel design and construction. Estimated cost of sewing equipment and project materials would be \$100-\$150.

Prerequisites: Sewing I. Teacher approval required.

Pass/Fail grading is used; One semester course

CHOIR 1: TREBLE CHOIR (P) - GRADES 10, 11, 12

This yearlong course is designed for the entry-level vocalist. The development of vocal technique, musicianship, basic piano, and performance will be strongly emphasized in order to prepare members for public performances and to promote life-long appreciation of and participation in music.

UC approved; One year course

CHOIR 2: CHAMBER CHOIR (P) - GRADES 10, 11, 12

This yearlong course is designed for the advanced vocalist. After auditioning for the program, students who are accepted will register for this class in order to become first year members of the Chamber Singers. Although the development of vocal technique, musicianship, basic piano, and performance will be strongly developed and emphasized, the pacing and environment will require the students to have an advanced vocal ability. This course aims to prepare students for public performances, to promote lifelong appreciation of and participation in music.

Prerequisite: Audition required.

UC approved; One year course

CHOIR 3: (CHAMBER CHOIR) (P) - GRADES 11, 12

This yearlong course is designed for the advanced vocalist who is returning to the Chamber Singers as a second-year member. Further development of vocal technique, musicianship, basic piano, and performance will continue as leadership skills and higher-level expectations are introduced. This course aims to prepare students for public performances, and to promote lifelong appreciation of and participation in music.

Prerequisites: Choir 2 and audition

UC approved; One year course

CHOIR 4: (CHAMBER SINGERS) (P) - GRADE 12

This yearlong course is designed for the advanced vocalist who is returning to the Chamber Singers as a third-year member. Further development of vocal technique, musicianship, basic piano, and performance will continue as leadership skills and higher-level expectations are introduced. This course aims to prepare students for public performances, and to promote lifelong appreciation of and participation in music.

Prerequisites: Choir 3 and audition

UC approved; One-year course