



NOTRE DAME ACADEMY

Curriculum Catalog

2011-2012

TABLE OF CONTENTS

Introduction	3
Registration Procedure	3
Graduation Requirements	4
Course Sequence	5
University and College Requirements	8

CURRICULUM OFFERINGS

Art and Art History.....	10
Computer Science Department	13
English Department	14
Mathematics Department	17
Performing Arts Department.....	20
Physical Education Department	24
Religion Department	26
Science Department.....	28
Social Studies Department.....	31
World Languages Department	34
Non-Departmental Offerings	39
Zero and Seventh Period Offerings	40

INTRODUCTION

This *Curriculum Catalog* has been prepared carefully and thoughtfully for you as a guide in planning your courses for the next academic year and the remainder of your high school career.

The curriculum at Notre Dame Academy, in accord with the basic philosophy of the school, has been designed with the particular intellectual thrust of preparing its students for college. As you study the course offerings, remember that your high school years should be productive years of preparation for your future. Let your academic needs and preferences govern your choices. Before making final decisions about your courses for next year, you should consult your parents. Select your courses carefully, building a solid schedule for yourself.

One of the most valuable outcomes of educational and career planning is the participation and growth of the student in the decision-making process. For this reason, great emphasis is placed on the careful projection of curriculum offerings, the student course selection process each spring, and the general policy of non-withdrawal from classes. Parents and students should understand that Notre Dame is, out of necessity, a tightly-scheduled school. Therefore, the individual student may not change a class unless there has been incorrect placement recognized as such by the teacher and/or the administration. Students should complete all courses they have begun. If a course does not meet the needed number of students, the course will not be offered.

REGISTRATION PROCEDURE

1. Discuss your college and career plans with your academic advisor who will be able to assist you in thoughtful course selection. Check the requirements for colleges that interest you and the preparation necessary for careers you may pursue.
2. Study the graduation requirements on the next page.
3. Study the course offerings for 2011-2012 on your Course Selection Worksheet. Check this Curriculum Catalog (also at www.ndala.com) to see if you have the prerequisites you need for certain courses.
 - Academic advisors will also confirm your eligibility for your selected courses.
 - If your eligibility rests (with teacher approval) on your June grades or summer school, you must be extremely careful to get the grades you need. Otherwise, your schedule may be adjusted after the end of second semester.
4. With the help of your parents, complete the Course Selection Worksheet.
 - Your choices are expected to be permanent.
 - The only schedule changes made at the beginning of the school year are those initiated by teacher recommendation or administrative necessity.
5. Log onto your PowerSchool account (you will find the link on the www.ndala.com website), select Class Registration, then fill out the online form according to your worksheet. Be sure to press the submit button when you have finished.
6. Meet with your academic advisor to discuss any difficulties you may encounter.

GRADUATION REQUIREMENTS

To graduate from Notre Dame Academy, a student must have completed a minimum of 240 semester credits, including the following specific requirements. Students receive five credits for each semester course. Please be aware that entrance requirements for colleges are not always equivalent to NDA graduation requirements. See University and College Requirements on p.

University and College Requirements8.

<i>Religion*</i>	<i>8 semesters</i>
<i>English</i>	<i>8 semesters</i>
<i>Social Studies</i>	<i>6 semesters</i>
<i>Mathematics</i>	<i>6 semesters</i>
<i>World Languages**</i>	<i>4 semesters</i>
<i>Laboratory Science***</i>	<i>4 semesters</i>
– <i>Life Science</i>	<i>2 semesters</i>
– <i>Physical Science</i>	<i>2 semesters</i>
<i>Physical Education/Health****</i>	<i>2 semesters</i>
<i>Visual and Performing Arts (VPA)*****</i>	<i>2 semesters</i>
<i>Oral Communication/Speech</i>	<i>1 semester</i>
<i>Computer Literacy*****</i>	<i>1 semester</i>

* In keeping with the mission of the Sisters of Notre Dame, a full year of religion is required for each grade level. In addition, each student must complete a minimum of 25 hours of Christian service per year. Failure to complete the yearly Christian service requirement will result in the student's receiving an "Incomplete" in her religion course for second semester. The student then has until the beginning of the following school year to fulfill the requirement. If the student does not complete her obligation by this time, the "Incomplete" will become an F for the fourth quarter and be averaged into the semester grade.

** All semesters should be consecutive and in the same foreign language (Spanish or French).

*** Beginning with the class of 2015, students will begin taking biology during the freshman year.

**** Beginning with the class of 2015, students will have to satisfy one semester of their PE/Health requirement through participation in sports, sports conditioning, or dance classes, either during freshman year or later.

***** The VPA requirement can be met through courses in the Art and Art History Department or the Performing Arts Department.

***** Beginning with the class of 2015, students are required to complete at least 3 credits of Computer Literacy, either during NDA Summer School or during 0 Period during the school year.

Electives: Students may select the remainder of the 240 units of credit from available courses offered in the curriculum. Students may base their selections on individual ability, interest and need. No course with a grade of F will be credited toward graduation. Requests to participate in off-campus college/university courses in order to fulfill the VPA graduation requirements must be submitted in writing to the Director of Academics. All other NDA graduation requirements must be taken on campus at NDA unless otherwise approved by the administration. Requests and credit will be handled on an individual basis.

AP/Honors Limit: Because of Notre Dame Academy’s holistic approach to education and its commitment to standards of excellence, **a student’s schedule is capped at three Advanced Placement and one honors course per semester** unless administrative approval is granted, on a case-by-case basis.

Summer School: Students who earn a D or F in a mathematics, a world language, or an English course at NDA must make up that course during the summer at another accredited institution or with an NDA-approved online course. NDA offers numerous course options during the summer; students are encouraged to consider these as a means of opening up more elective course options in their schedules during the school year. Please consult the separate NDA Summer School Curriculum Catalog for more information.

Absences: Excessive absences (more than 12 classes per semester) may affect the amount of credit given for a course. Each case is treated individually.

COURSE SEQUENCE

In addition to the following courses, students may choose to register for elective courses during Zero or Seventh Period, such as Visual and Performing Arts courses. Please consult the course listings on p. 40 for possible options.

Grade 9 (Class of 2015)	
Religion:	The Revelation of Jesus Christ in Scripture/ Who Is Jesus Christ? <i>(Class of 2013 and before: Introduction to Sacred Scripture)</i>
English:	Introduction to Literature/Composition or Honors Introduction to Literature/Composition
Mathematics:	Algebra I or higher
World Languages:	Spanish I, French I, or higher
Social Studies:	Global Civilization
Science:	<i>Class of 2015 and beyond:</i> Biology
Freshman Requirements: <i>Class of 2015: please see information on p.13 and p.24 for NDA Summer School and Zero/Seventh Period options for completing these requirements.</i>	<i>Class of 2014 and before:</i> Physical Education/Health Science I Computer Literacy

Grade 10 (Class of 2014)	
Religion:	The Paschal Mystery/Jesus Christ's Mission <i>(Class of 2013 and before: Morality/Worship)</i>
English:	World Literature/Composition <i>or</i> Honors World Literature/Composition <i>(Class of 2013 and before: American Literature/Composition or Honors American Literature/Composition)</i>
Mathematics:	Geometry <i>or higher</i>
World Languages:	Spanish II, French II, <i>or higher</i>
Science:	Biology <i>(Class of 2015 and beyond: Chemistry) or Honors Chemistry</i>
Sophomore Requirements:	Physical Education/Health Science II Oral Communication/Speech

Grade 11 (Class of 2013)	
Religion:	Church/Catholic Social Teaching <i>(Class of 2014 and beyond: new junior religion course)</i>
English:	British Literature/Composition <i>(Class of 2014 and beyond: American Literature/Composition) or AP English Language/Composition</i>
Mathematics:	Algebra II <i>or higher</i>
World Languages (optional):	Spanish III, French III, <i>or higher</i>
Social Studies:	United States History <i>or AP United States History</i>
Science: (Class of 2015 and beyond: optional)	Chemistry <i>or higher</i>
Elective Course(s) (optional)	

Grade 12 (Class of 2012)	
Religion:	Christian Life Skills/Lifestyles <i>(Class of 2014 and beyond: new senior religion course)</i>
English:	World Literature/Composition <i>(Class of 2014 and beyond: British Literature/Composition) or AP English Literature/Composition</i>
Mathematics (optional):	Pre-Calculus/Trigonometry <i>or higher</i>
World Languages (optional):	Spanish IV, French IV, <i>or higher</i>
Social Studies:	Government/Economics <i>or AP Government (with Summer School Economics)</i>
Science (optional):	Anatomy and Physiology/Lab <i>or other</i>
Elective Course(s) (optional)	

ELECTIVE COURSES

Please check the specific course listings for prerequisites and details.

Anatomy and Physiology	Honors Physics
Anatomy and Physiology	French I, II, III, IV, or AP
AP Art History	Introduction to Song
AP Biology	Japanese I, II
AP Calculus	Journalism
AP Chemistry	Law/Psychology
AP Psychology	Painting
AP Studio Art	Photography I, II
AP World History	Physics/Lab, Honors Physics/Lab
Art Appreciation I, II	Play Production
Basketball Conditioning	Pre-Calculus, Honors Pre-Calculus
Concert Choir I, II, III, IV	Spanish I, II, III, Honors III, IV, AP
Dance (Intro/Intermediate/Advanced/Perf.)	Statistics
Drama I, II, III, IV	2-D Design
Drawing	Yearbook

ZERO/SEVENTH PERIOD COURSES

Please see the comprehensive listing on p. 40.

UNIVERSITY AND COLLEGE REQUIREMENTS

1 year = 10 credits

The University of California/California State University (UC/CSU) eligibility is based on a student's GPA from 10th and 11th grades a-g subjects. Calculate your eligibility online at: www.UniversityofCalifornia.edu/admissions/scholarshipreq.

INSTITUTION	SUBJECT REQUIREMENT	EXAM REQUIREMENT
University of California (UC)* Berkeley * Davis * Irvine * Los Angeles * Merced * Riverside * Santa Barbara * Santa Cruz * San Diego	a. 1 year US History 1 year World History b. 4 years English c. 3 years math (4 years recommended) d. 2 years lab science (3 years recommended) e. 2 years same foreign language (3 years recommended) f. 4 additional semester courses (check with advisor for acceptable NDA classes and electives) g. 1 year of visual or performing arts	SAT I or ACT with writing * Some programs have specific SAT II Subject Test requirements
	<ul style="list-style-type: none"> • In addition to other specified electives, advanced foreign language or advanced VPA can satisfy the “g” requirement. • The University of California does not accept online laboratory science courses. • Community college courses are acceptable to meet the a-g requirements if and only if they articulate to the UC/CSU. The web site at www.assist.org lists all community college courses that articulate to the UC/CSU. Since these courses will not appear on the student's NDA transcript, the community college transcript should be submitted along with the student's NDA transcript once the UC/CSU requests documentation from the student. The NDA student must, however, receive administrative approval prior to taking a VPA course at a community college. 	

INSTITUTION	SUBJECT REQUIREMENT	EXAM REQUIREMENT
<i>Cal State Universities</i>	<ul style="list-style-type: none"> a. 4 yrs. English b. 3 yrs. Math c. 1 yr. US History d. 1 yr. lab science e. 2 yrs. foreign language f. 1 yr. visual or performing arts g. 3 yrs. electives 	<p>SAT I or ACT</p> <p>The California State University System will not use the writing section of the SAT I or ACT to determine an applicant's eligibility.</p> <p>CSU Eligibility Requirements: 2.0-2.99 GPA requires specific SAT I or ACT scores: GPA=2.00: SAT=1300, ACT=30 GPA=2.20: SAT=1140, ACT=26 GPA=2.40: SAT=980, ACT=22 GPA=2.60: SAT=820, ACT=18 GPA=2.80: SAT=660, ACT=14</p>
<i>Independent Colleges</i>	Usually same requirements as UC. Additional math, science, social studies may be required.	SAT I or ACT with writing. Check each institution for subject test requirement or test optional.
<i>Community Colleges</i>	High school graduation GED	Placement exams for math, English, foreign language.

CURRICULUM OFFERINGS

Courses are worth ten credits unless otherwise noted.

ART AND ART HISTORY

In keeping with University of California and California State Visual and Performing Arts (VPA) requirements, students must complete ten VPA credits (one year). All NDA Visual Arts courses are approved by the University of California and qualify for VPA credit, unless otherwise noted.

Art Appreciation I, B6010

This course introduces students to the foundations of art production. Students move through the basics of two-dimensional and three-dimensional forms: drawing, collage, mixed media, painting and sculpture. The elements and principles of image design are addressed and stressed giving the student the opportunity to analyze artwork in both a formal and objective manner. Students will also learn to compare and contrast works of art and art movements in relationship to their historical and cultural context. Two museum visits are required during the year (one each semester). A critical response paper will accompany each visit. Grades are based on a portfolio of work created during each quarter, class discussions and papers. *An \$80.00 materials fee will be charged for supplies.*

Art Appreciation II, B6020

This course expands upon all of the disciplines learned in Art Appreciation I. Students will refine skills through creative and active problem solving. Drawing, painting, and other two-dimensional projects continue to dominate the class. Three-dimensional work is also explored. The course will also consist of art appreciation whereby students will learn about concepts through viewing artists who have dealt with the particular problems being introduced. **Prerequisite: Art Appreciation I and/or the consent of instructor.** *An \$80.00 materials fee will be charged for supplies.*

*Advanced Placement Studio Art (Drawing), Daytime B6030 or Friday
B6030F*

*Advanced Placement Studio Art (2-D Design), Daytime B6035 or
Mon/Wed 6035M*

The emphasis of this course will be either Drawing or 2-D Design. The Advanced Placement Program in Studio Art is intended for highly motivated students interested in the serious study of art. This course includes theory, practice, art history and cultural context. Students are expected to have a portfolio of artwork by the end of the year consisting of 12 works for breadth and 12 works in a concentration initiated by the student. Students will also be required to demonstrate their ability to deal with the fundamental concerns of the visual arts so that they may be given credit for advanced placement on the college level. Students must realize that an AP class involves significantly more time than the typical high school course. **Please note:** Students interested in taking AP Studio Art as a senior will find that taking AP Art History first will provide a strong foundation for successful completion of AP Studio Art. **Prerequisite: Art Appreciation I, II, Drawing, or Painting and/or the approval of the art teacher. Students will be required to have five summer projects completed by the start of the school year.** *Tuition \$575.00 (inclusive of materials fee) for Seventh Period course, or \$80 materials fee for daytime course. This is a UC/CSU weighted course.*

Drawing, B6455F

This course introduces students to the basics of drawing. Students develop creative intelligence, eye/hand coordination, visual language and thinking through the use of materials and analysis of existing drawings. Students explore realism, abstraction, narrative, surrealism and expressionism. Each quarter students present a portfolio. Evaluation is based on the following: conceptual strength of the work and problem solving, formal concerns, effort and labor, overall success, improvement, and risk taking. Bi-weekly critiques help develop students' understanding of art critics and esthetic views. Students describe their artwork, analyze it formally, and interpret and judge based on their choice of esthetic view, which they must articulate. This course also includes analysis of artwork within art historical and cultural context. Written essays are assigned each semester along with a visit to a museum. **Seventh Period class meets Friday, 1:15-5:15 p.m.** *Tuition \$575 (inclusive of materials fee).*

Painting, B6300F

This course is an introduction to the different mediums (e.g. watercolor, tempura and acrylic) and processes which comprise the discipline of painting. Basic painting skills are introduced and refined through an exploration of specific assignments involving still life, landscape, natural forms, abstraction and portraiture. Assignments and class structure are geared towards developing an understanding

of the potential of each of these mediums. Instruction covers preparation, brush handling, color mixing, manipulation of medium, etc. A fundamental understanding of basic art techniques and competency is desired. **Seventh Period class meets Friday, 1:15-5:15 p.m.** *Tuition \$575 (inclusive of materials fee).*

Photography I, Daytime B6350 or Mon/Wed B6350M

This course is an introduction to digital photography as an art form that explores visual ideas and language for beginners; therefore no art experience is necessary. This course will prepare students for further work in traditional and digital photography or for collaboration with other media in art including computer arts. In this course, students will investigate technical, visual and expressive aspects of traditional, digital and non-traditional photography. Technical control of the camera and use of imaging software will be demonstrated throughout the course. Discussions and critiques of coursework begin the process of creating an aesthetic language for the evaluation of digital images as an art form as well as the individual's work. **Please note:** Students are required to supply their own digital camera. **Seventh Period class meets Monday and Wednesday, 2:45-4:45 p.m.** *Tuition \$575.00 (inclusive of materials fee) for Seventh Period course, or \$80 materials fee for daytime course.*

Photography II, Daytime B6355 or Mon/Wed B6355M

This course expands upon the disciplines learned in Photography I. Students will refine skills through creative and active problem solving. Students will develop greater knowledge of computer graphics as well as the general history of art and of photography in particular. Not only will students be expected to work on teacher-driven projects but also develop a visual language and interest of their own. At the end of the year students will have a strong portfolio of photographs that represents their work as well as an understanding of contemporary theoretical concepts surrounding picture taking. Upon completion of the course, students are eligible to submit an AP portfolio for possible AP credit. **Please note:** Students are required to supply their own digital camera. **Prerequisite: completion of Photography I. Seventh Period class meets Monday and Wednesday, 2:45-4:45 p.m. Pending UC/CSU approval.** *Tuition \$575.00 (inclusive of materials fee) for Seventh Period course, or \$80 materials fee for daytime course.*

2-D Design, Daytime B6210 or Mon/Wed B6210M

This course provides an introduction to the elements and principles of visual design, such as line, shape, space, color and balance through a series of projects in various media including tempera, acrylics, ink, printmaking and a variety of papers and boards as well non-traditional and recycled materials. Students are also introduced to computer design in a series of projects utilizing Adobe Creative Suites (Illustrator, Photoshop and In-Design). Discussion, research, and analysis 20th Century design and its context as well as design from non-Western cultures will introduce students to the fascinating world of design in general. Second

semester class projects include designing hats, masks or handmade books. Students will be encouraged to image design solutions for the 21st Century. **Seventh Period class meets Monday and Wednesday, 2:45-4:45 p.m.** *Tuition \$575.00 (inclusive of materials fee) for Seventh Period course, or \$80 materials fee for daytime course.*

Advanced Placement Art History, B6050

AP Art History is designed to provide the same benefits to secondary school students as those provided by an introductory survey college course in art history or humanities: understanding of architecture, sculpture, painting, and other art forms within the appropriate historical and cultural contexts. This course examines major forms of artistic expression from pre-history to post-modernism, and from a variety of cultures. Students will learn to look at works of art critically, with intelligence and sensitivity, and to articulate what is seen or experienced. No prior exposure to art or art history is required. However, students who have done well in other courses in the humanities, such as history and literature, or in any of the studio arts are especially encouraged to enroll. Students must realize that an AP class involves significantly more time than the typical high school course. **Please note:** Students interested in taking AP Studio Art in their senior year will find this course extremely beneficial for the successful completion of AP Studio Art. **Prerequisite: approval of the AP Art History instructor.** *This is a UC/CSU weighted course.*

COMPUTER SCIENCE DEPARTMENT

Beginning with the class of 2015, freshmen will fulfill their NDA computer literacy requirement by taking a three-credit course either during the summer or during one of three Zero Period sessions during the school year. (10-week sessions begin August 22nd, January 9th, and March 19th.) Students not taking the course during NDA Summer School should register for Zero Period, with the session to be determined later.

Computer Literacy, C4005Z – 3 credits

This freshman requirement for graduation provides students with a variety of computer skills, including keyboarding, word processing, spreadsheets, drawing tools, presentation software, Internet, HTML, and the Windows XP operating systems. History of technology, computer architecture (hardware and software), computer terminology, information literacy, careers in computing, ethical use of the Internet, and library research are covered. **Zero Period class meets Monday through Friday, 7:00-7:50 a.m.** *This course is an NDA graduation requirement and is not UC/CSU approved.* *Tuition \$250.*

ENGLISH DEPARTMENT

According to the department's literature sequence, students study English in the following course order:

Classes of 2013 and before: freshmen take a survey overview course, sophomores study American literature, juniors study British literature, and seniors study world literature.

Classes of 2014 and beyond: freshmen take a survey overview course, sophomores study world literature, juniors study American literature, and seniors study British literature.

Each summer, students must complete the summer reading requirement. This requirement includes reading specified novels and completing written assignments and creative projects. Students are tested on these novels at the beginning of the school year. Students taking the Summer Reading course will complete the summer reading assignment in the class.

Oral Communication/Speech, E2500 – 5 credits

One semester (sophomores), paired with one semester of Physical Education/Health Science II

This sophomore class fosters the following: development of self-confidence and poise in front of an audience; learning and mastering various communication techniques (gestures, eye contact, posture, vocal articulation, volume, and inflection); presentation of expository and persuasive speeches; dramatic interpretation of literature. *This course is an NDA graduation requirement and is not UC/CSU approved.*

COLLEGE PREPARATORY PROGRAM

Introduction to Literature/Composition, E2510

In order to provide incoming freshmen with the skills needed for the Notre Dame Academy English program, all students study the various genres of literature and intensively practice the art of communication. Major units include written and oral communication, grammar, vocabulary, the short story, the novel, poetry, drama, and mythology. Emphasis is placed on paragraph development and writing the multi paragraph essay. Research, compare-contrast, and literary analysis essays are taught.

World Literature/Composition (sophomore level), E2570

Communication skills continue to be refined during this sophomore-level course. The paragraph writing skills developed in the freshman year are the basis for writing well organized, multi-paragraph compositions. Research paper writing is expanded in World Literature/Composition, and the persuasive essay is introduced. Units in vocabulary and grammar and SAT preparation are also covered. *Pending UC/CSU approval.*

British Literature/Composition, E2530

British literature is studied both chronologically and thematically in the junior year. Students prepare written compositions, including a research paper and a persuasive essay. Study of vocabulary, grammar, literary analysis, and critical thinking will be intensified in preparation for college entrance examinations including the SAT.

World Literature/Composition (senior level), E2540

Seniors study selected masterpieces of world literature; included are short stories, literary criticism, poetry, drama and the novel. Emphasis is on improving written composition skills in preparation for college-level writing. Skills developed in previous courses are refined. Essays include timed in-class essays as well as those requiring formal preparation and research outside of class.

Journalism, Mon/Wed E2560M – 5 credits

This course develops students' skills in news writing, reporting, editing, computer graphics and the layout and copy work involved in printing a monthly publication. The course emphasizes fundamentals in the journalism process. Students write, edit and lay-out the school newspaper for monthly publication. Open to grades 10-12. **Class meets Monday and Wednesday, 2:45-3:45 p.m.** Limited enrollment. *Tuition \$250.*

THE HONORS ENGLISH PROGRAM

Prerequisites

English 9, 10 and 11 students in the college preparatory classes who wish to move into the next level of Honors/AP courses must have at least a 90% average for the first semester, pass the Honors/AP placement test, and receive approval from the English department.

Honors and Advanced Placement English Language students who wish to go on to

the next level of Honors/AP courses must maintain at least an 83% average to be automatically registered for the next level Honors/AP course. Students must maintain this grade to remain qualified for Honors/AP courses. Tenth and eleventh grade students in Honors American Literature, Honors World Literature, or AP English Language whose grade averages below 83% must pass the AP placement test and have the approval of the English Department Chair in order to move to the next AP level.

All Honors/AP classes have a limited enrollment.

Students enrolled initially in the four-year sequential Honors English Program are expected to remain in the program for 9th, 10th, 11th and 12th grades. If a student leaves the program, she may not re-enter without approval of the Director of Academics and the English Department Chair.

Honors Introduction to Literature/Composition, E2610

Students will study various genres of literature and intensively practice the art of communication. This honors course covers material similar to that in the standard introduction course but in greater depth and with more demanding course work. Students will review grammar and writing structure with more emphasis placed on analysis of literature in both writing and oral discussions. This course is designed to prepare students for the Honors American Literature Course in tenth grade. *According to UC/CSU standards, this is an unweighted course.*

Honors World Literature/Composition (sophomore level), E2670

Material studied and skills developed in this course are similar to those of the college preparatory course; however, work is more highly concentrated. Representative works of world literature are studied in depth. Compositions based on the literature are regularly assigned. The course is designed to be a pre-AP English introduction and to prepare students for the AP English sequence of courses. **See prerequisites above.** *According to UC/CSU standards, this is an unweighted course. Pending UC/CSU approval.*

Advanced Placement English Language/Composition, E2630

This course prepares the student for the AP English Language/Composition Examination through training in rhetorical and persuasive writing. In this course, the student is involved in an in-depth study of British literature through both a chronological and thematic approach. The emphasis is on critical analysis through written compositions of varying lengths. The student independently continues the directed study of grammar and vocabulary to sharpen her skills in these areas. **See prerequisites above.** *This is a UC/CSU weighted course.*

Advanced Placement English Literature/Composition, E2640

The student is challenged in the reading of literary classics and literary criticism, as well as in the sharpening of her skills of critical analysis expressed in writing. This course prepares the student for the AP English Literature/Composition Examination. The student is expected to have an above-average interest in reading, the ability to work independently, and a command of advanced composition. The course includes an in-depth study of the essay form, poetry, the short story, and the novel as the basis for critical essays. **See prerequisites above. This is a UC/CSU weighted course.**

MATHEMATICS DEPARTMENT

Algebra I, M4210

This introductory course for freshmen, which forms the foundation for all further mathematics studies, emphasizes improving problem solving skills, understanding the structure of the real number system, and solving and graphing elementary equations and inequalities. **Prerequisite: successful completion of summer Algebra Skills course or a passing score on placement test.**

Geometry, M4220

This course stresses geometric definitions, postulates and theorems, covering such topics as angles and angle relationships, perpendicular and parallel lines and planes, polygons and circles, congruence and similarity, and an introduction to trigonometry. Deductive reasoning in problem solving and real world applications is emphasized throughout the course. **Prerequisite: grade of 70% or above in both semesters of Algebra I. Additionally, incoming freshmen must achieve a passing score on the Algebra I mastery test.**

Algebra II, M4230

Following an in-depth review of Algebra I, topics include the study of systems of linear equations and inequalities, conic sections, matrices, linear, quadratic, cubic, exponential, and logarithmic functions. Problem solving is stressed throughout the course. **Prerequisite: grade of 70% or above in both semesters of Geometry.**

Pre-Calculus/Trigonometry, M4240

This course is a college-preparatory elective in mathematics for those students who have successfully completed Algebra II. The course presents polynomial, rational, exponential, logarithmic and trigonometric functions, their applications, graphs, and properties. **Prerequisite: grade of 70% or above in both semesters of Algebra II.**

Statistics, M4250

This course is an introduction to statistics. Students will learn about major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics that will be covered include: probability, frequency distribution, graphs, permutations, combinations, normal distribution, sampling, chi-square, and confidence intervals. **Prerequisite: grade of 70% or higher in Algebra II or Honors Algebra II/Trigonometry.**

THE HONORS MATHEMATICS PROGRAM

The honors mathematics program is designed for the high-ability mathematics student. To be eligible for an honors or Advanced Placement class, a student must meet the criteria for grades, test score(s) (when required), and teacher recommendation. **Enrollment is limited.**

Honors Geometry, M4225

In addition to the topics covered in the regular geometry course, this course includes the study of logic, coordinate geometry, area and volume, and an intense study of trigonometry. **Prerequisites: grade of 90% or above in both semesters of Algebra I, a passing score on the Algebra I mastery test (if required), and the recommendation of her current math teacher.** *According to UC/CSU standards, this is an unweighted course.*

Honors Algebra II/Trigonometry, M4235

This course covers the topics of Algebra II but includes a more in-depth study of each topic. The study of trigonometry includes circular functions, and trigonometric identities. Optional topics include matrices, series and sequences, permutations and combinations, and probability. **Prerequisites: grade of 90% or above in both semesters of Algebra I and in both semesters of geometry (80% or above in Honors), a passing score on the Algebra II readiness test (if required), and the recommendation of her current math teacher.** *According to UC/CSU standards, this is an unweighted course.*

Honors Pre-Calculus, M4245

This course is an in-depth study of the algebraic, geometric, and trigonometric concepts used extensively in calculus. Topics include an in-depth study of linear, polynomial, exponential, logarithmic and trigonometric functions and their graphs; analytic geometry; the theory of limits; selected topics in discrete mathematics; and differentiation of elementary functions of a single variable. **Prerequisites: Grade of 90% or above in both semesters of Algebra II (80% or above in Honors), a passing score on the Pre-Calculus readiness test (if required), and the recommendation of her current math teacher.** *This is a UC/CSU weighted course.*

Advanced Placement Calculus, M4265

This is the first course in the study of the differential and integral calculus. Topics include the study of the real numbers, limits and continuity, differentiation and integration of functions of one variable with applications, and an introduction to solving elementary differential equations. Related topics include concepts of analytic geometry. This college-level course is designed to prepare the student for the Advanced Placement Examination in Calculus AB. The student must assume greater responsibility for the rigors of this course. A minimum of one hour of homework per class meeting is required. **Prerequisites: Grade of 90% or above in both semesters of Pre-Calculus (80% or above in Honors), a passing score on the Calculus readiness test (if required), and the recommendation of her current math teacher.** *This is a UC/CSU weighted course.*

PERFORMING ARTS DEPARTMENT

In keeping with University of California and California State Visual and Performing Arts (VPA) requirements, students must complete ten VPA credits (one year). All NDA Performing Arts courses are approved by the University of California and qualify for VPA credit, unless otherwise noted.

CHOIR

Introduction to Song, Thursday N7005T

This course is intended for musicians and non-musicians to learn the craft that goes into fashioning classic popular songs, with emphasis on analyzing musical and lyrical forms. Students trace the tradition of songs from early Blues and parlor songs through the “Great American Songbook,” early country and rock and roll, and on to contemporary song craft. Students construct their own melodies and songs, practice lyric writing, and study music appreciation and theory. **Seventh Period class meets Thursday, 2:45-4:15 p.m. Pass/Fail.** *Tuition \$200 (inclusive of materials fee). This is not a UC/CSU-approved course.*

Concert Choir I, Tues/Wed N7010T

This course is an introductory course designed to develop a student's individual and choral singing skills. Instruction will cover basic music theory, history, sight-reading skills, vocal technique, artistic interpretation, and performance etiquette. The repertoire may include music from all styles and periods, from medieval chant to contemporary songs. Students will critique their own performances and the performances of other choirs, both orally and in writing. This course requires extracurricular performances and additional rehearsal time. **Seventh Period class meets Tuesday and Wednesday, 2:45-4:45 p.m.** *Tuition \$575 (inclusive of materials fee).*

Concert Choir II, Tues/Wed N7020T

Concert Choir III, Tues/Wed N7030T

Concert Choir IV, Tues/Wed N7040T

These courses are an extension of Concert Choir I, requiring a higher level of vocal skill and technique. The course description for Concert Choir I applies. However,

the repertoire will focus on three-part and four-part arrangements, emphasizing improved sight-reading and harmonizing. These courses cover more advanced theory and analysis of music. More advanced students also have the opportunity to audition for the select Chamber Choir, which requires some additional rehearsal time outside of class. **Prerequisite: Completion of the previous level of Concert Choir and consent of the instructor. Seventh Period class meets Tuesday and Wednesday, 2:45-4:45 p.m. Tuition \$575 (inclusive of materials fee).**

Liturgical Choir, Monday N7050M – 5 credits

Liturgical Choir prepares students to sing at all liturgical celebrations and other religious services throughout the school year. Students will practice a wide range of music and develop harmonization and music reading skills. **No prerequisites for singers; instrumentalists must audition. Class meets Monday, 2:45-4:15 p.m. Pass/Fail. Fee: TBD. This is not a UC/CSU-approved course.**

DANCE

Introduction to Dance, Daytime N6810 or Mon/Wed N6810M

This class focuses on dance technique and style in ballet, jazz, and modern dance. Students will learn how to execute dance steps while studying the origins of the steps and styles. This course will also include dance history and cultural awareness. An appreciation of dance as an art form will be explored. Students will be required to view dance concerts or performances in class and write critical assessments. No previous dance experience necessary. Students are required to perform in Fine Arts Night Program and the Spring Dance Concert. Limited enrollment. **Seventh Period class meets Monday and Wednesday, 2:45-4:45 p.m. Tuition \$575 (inclusive of materials fee) for Monday/Wednesday class, or \$80 materials fee for daytime class.**

Intermediate Dance, Daytime N6820 or Tues/Thurs N6820T

This class is a continuation of *Introduction to Dance*. Students will be challenged with more difficult technique and movement styles. Concert performance is required. Limited enrollment. **Prerequisites: successful completion of Introduction to Dance and/or approval of the instructor. Seventh Period class meets Tuesday and Thursday, 2:45-4:45 p.m. Tuition \$575 (inclusive of materials fee) for Tuesday/Thursday class, or \$80 materials fee for daytime class.**

Advanced Dance, Friday N6830F

This class is designed for the dancer who is already proficient with technique. This class focuses on advanced jazz technique with extensive preparation for performances and showcases. Dance composition will be studied and students will practice composition techniques. The history of dance will also be explored. Students will receive specialized instruction from guest teachers and participate in annual dance events. **Prerequisites: successful completion of Intermediate Dance and/or approval of instructor. Seventh Period class meets Friday, 1:15-5:15 p.m.** *Tuition \$575 (inclusive of materials fee).*

Advanced Dance Performance, Friday N6840F

This class is a continuation of *Advanced Dance*. Students are encouraged to choreograph as well as learn and master several pieces for performance and competition. Students will be challenged to perfect their technique and choreography skills in addition to analyzing the history of dance. Students will receive specialized instruction from guest teachers and participate in annual dance events. **Prerequisites: successful completion of Advanced Dance and/or approval of instructor. Seventh Period class meets Friday, 1:15-5:15 p.m.** *Tuition \$575 (inclusive of materials fee).*

DRAMA

Drama I, Daytime N6510, Zero N6510Z, or Friday N6510F

This course introduces the student to basic theatrical vocabulary and beginning acting technique. Through the study of improvisation, movement, voice, theatre games, monologues and scenes, the student learns the basic techniques of dramatic performance based on the principles of Stanislavski. The student will also explore the history of the theatre and interpret several playwrights through detailed written reports. Performances outside of class will be viewed and critically assessed through written work as well. The student is also involved in the production of the school play and other drama presentations and festivals throughout the year. Performance is required. **Zero Period class meets Monday through Friday, 7:00-7:50 a.m.; Seventh Period class meets Friday, 1:15-5:15 p.m.** *Tuition \$575.00.*

Drama II, Daytime N6520, Zero N6520Z, or Friday N6520F

This course is a continuation of *Drama I* offering an in-depth study of acting technique. The student will assess several genres through written work and performance. The student is encouraged to develop the techniques of building a

character, scene study and performance technique. Each student is extensively involved in the production of the school play, the DTASC Interscholastic Drama Competition and various drama presentations throughout the year. Performance required. Additional rehearsal is needed. **Prerequisite: completion of Drama I. Zero Period class meets Monday through Friday, 7:00-7:50 a.m.; Seventh Period meets class Friday, 1:15-5:15 p.m. Tuition \$575.00.**

Drama III, Daytime N6530, Zero N6530Z, or Friday N6530F

This course is a continuation of *Drama II* and is for the more advanced drama student. The student will continue to develop acting techniques at a more in-depth level. There is more emphasis on performance and analysis incorporating written assessments of the student's work. Additional rehearsal is needed. **Prerequisite: completion of Drama II. Zero Period class meets Monday through Friday, 7:00-7:50 a.m.; Seventh Period class meets Friday, 1:15-5:15 p.m. Tuition \$575.00.**

Drama IV, Daytime N6540, Zero N6540Z or Friday N6540F

This course is for the most advanced drama student. The student will continue to apply her skills as an artist in several festivals and performances throughout the year. Written critical assessments and theory are a major component of this class. Additional rehearsal is needed. **Prerequisite: completion of Drama III. Zero Period class meets Monday through Friday, 7:00-7:50 a.m.; Seventh Period class meets Friday, 1:15-5:15 p.m. Tuition \$575.00.**

Play Production, N6590, Second Semester – 2.5 credits

This course is an intense workshop required for students who audition for and are cast in the spring theatrical production. Students will focus on rehearsal and performance techniques, voice and diction, body awareness and an overall appreciation of the theatrical process. This class **does not** fulfill the Performing Arts requirement, nor does it include stage crew members. **The class meets after school during the spring semester from February-April as designated by the rehearsal schedule. Pass/Fail. Tuition \$200.00. This course is not UC/CSU approved.**

PHYSICAL EDUCATION DEPARTMENT

Beginning with the class of 2015, the freshman year Physical Education/Health Science I course will be replaced by a requirement to accumulate at least 5 credits through after-school participation in sports conditioning classes, athletic teams, and/or dance class (not also counting toward VPA credit). These credits do not have to be completed during freshman year, although completing them as a freshman is beneficial.

The sophomore Physical Education/Health Science II course takes place during the school day.

Physical Education/Health Science II, V8100 – 5 credits

One semester (sophomores), paired with one semester of Oral Communication/Speech

This sophomore course is designed to integrate Physical Education and Health Science studies. The course introduces the student to individual and team sports such as volleyball, basketball, lacrosse, indoor hockey, weight lifting, flag football, and badminton. Integrated with these sports are physical fitness testing and aerobic conditioning. Students will research and write reports about the environment, alcohol, tobacco, nutrition and drugs. *This course is a state requirement but is not UC/CSU approved.*

PHYSICAL EDUCATION: DANCE

Physical Education: Introduction to Dance, Mon/Wed V6810M

Physical Education: Intermediate Dance, Tues/Thurs V6820T

Physical Education: Advanced Dance, Friday V6830F

Physical Education: Advanced Dance Performance, Friday V6840F

– 5 credits

These 5-credit, first-semester courses meet the requirement for freshman year physical education. See the course descriptions on p. 21. Students wishing to take the course for the entire year may earn physical education credit for one semester, then performing arts credit for the second semester. *Tuition \$300. These courses are not UC/CSU approved.*

SPORTS CONDITIONING CLASSES

Sports conditioning classes are open to students of any grade level. Class activities will reinforce the fundamental skills necessary for the given sport and will provide overall physical fitness conditioning. Participation in a conditioning class does not guarantee a student a place on an NDA team. Likewise, it is not mandatory to participate in a conditioning class to secure a position on a team. Specific class meeting dates will be announced. Volleyball and Cross Country conditioning classes are part of the NDA Summer School program.

Basketball Conditioning, Mon/Wed V9810M, First Semester – 2 credits

Location: on campus/park. **Class meets Monday and Wednesday from 3:00-4:30 p.m. during the first semester. Pass/Fail. Tuition: \$150. This course is not UC/CSU approved.**

Soccer Conditioning, Tues/Thurs V9110T, First Semester – 2 credits

Location: TBD. **Class meets on Tuesday from 3:00-4:30 p.m. and Thursday from 1:30-3:00 p.m. during the first semester. Pass/Fail. Tuition: \$150. This course is not UC/CSU approved.**

Swim Conditioning, Mon/Wed V9210M, Second Semester – 2 credits

Location: TBD. **Class meets on Monday and Wednesday from 3:00-4:30 p.m. during the second semester. Pass/Fail. Tuition: \$150. This course is not UC/CSU approved.**

Track and Field Conditioning, Tues/Thurs V9310T, Second Semester – 2 credits

Location: TBD. **Class meets on Tuesday from 3:00-4:30 p.m. and Thursday from 1:30-3:00 p.m. during the second semester. Pass/Fail. Tuition: \$150. This course is not UC/CSU approved.**

RELIGION DEPARTMENT

Notre Dame Academy's Religion Department is revising its courses in accordance with the United States Conference of Catholic Bishops' 2008 *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age*. The class of 2014 is the first class to take each level of the new courses, with all following classes taking the same new curriculum.

At Notre Dame Academy, students are required to take four years of religion and must complete 25 hours of Christian Service each year (please see Graduation Requirements on p. 4). Also, a Sisters of Notre Dame Heritage unit will be presented through each of the religion classes.

The Revelation of Jesus Christ in Scripture/Who Is Jesus Christ?, A1010

The purpose of this course is two-fold: to give freshmen a general knowledge of and appreciation for the Sacred Scriptures and to introduce these students to the mystery of Jesus Christ, the living Word of God. Students will learn about the *Bible*, authored by God through Inspiration, and its value to people throughout the world, paying particular attention to the Gospels. The goal is that the students will grow to know and love Jesus Christ more personally. Students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

In addition, this course includes a component unique to Notre Dame Academy as it focuses on a segment of the heritage of the Sisters of Notre Dame. This unit explains the life and spirituality of St. Julie Billiart, spiritual mother, and Sister Maria Aloysia, foundress. The unit traces the history of the Sisters and shows how St. Julie's spirit took root in her Sisters in the Congregation de Namur, the Sisters of Amersfoort and spread to the Sisters of Notre Dame of Coesfeld who came to the United States. The life and work of Sister Maria Aloysia is studied in the light of the Sisters' call to touch the hearts of those in need. The unit gives special attention to how NDA celebrates the life of St. Julie and Sister Maria Aloysia each year. *This course is an NDA graduation requirement and is not UC/CSU approved.*

The Paschal Mystery/Jesus Christ's Mission, A1025

The purpose of this sophomore course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. They will also be introduced to what it means to be a disciple of Christ, what life as a disciple entails, and how it is through the Church that they encounter the living Jesus Christ. Students will learn that the Church was founded by Christ

through the Apostles and is sustained by him through the Holy Spirit. They will also come to know that the Church is the living Body of Christ today, consisting of both divine and human elements.

The Sisters of Notre Dame Heritage unit emphasizes how God sends special friends into our lives to support us and help us to discover our gifts and talents. The unit will unfold the friendship of St. Julie and Françoise of Belgium and Sister Maria Aloysia and Sister Maria Ignatia of Coesfeld. The unit shows how friendship helped each discover the gifts and talents that would one day be shared through the spiritual, educational ministries of the Sisters today. *This course is an NDA graduation requirement and is not UC/CSU approved.*

Church/Catholic Social Teaching, A1030

Third year religion is comprised of three courses: Catholic Social Teaching, Church, and a mini-course in World Religions. The purposes of this year are to focus on Catholic tradition and its justice teachings, to foster hope and compassionate understanding, to examine the causes and consequences of injustice, and to encourage a life of faith rooted in the gospels. In Catholic Social Teaching, the student will look more deeply into the human experience. By examining the components of an ideal world and the seven principles of Catholic social teaching, the student will have the opportunity to learn more about the real world and the avenues available to help make a positive contribution. In Church, the student will examine biblical and primary source material concerning topics relating to the early Christian communities and the history of the Catholic Church. This will provide a framework for understanding our Church today both locally and globally. The mini-course in World Religions will provide the tools necessary for the student to understand other religions while validating her own.

The Sisters of Notre Dame Heritage unit discusses the internationality and call to global ministry which are central to today's SND response to the missions of St. Julie and Sister Maria Aloysia. The unit also explores the meaning of the various symbols on the "Coat of Arms" of the Sisters which is imprinted on the junior class ring. *This course is an NDA graduation requirement and is not UC/CSU approved.*

Christian Life Skills/Lifestyles, A1040

The senior religion course is concerned primarily with deepening life skills and forming women of faith. In preparing maturing young women to take their places in the larger society, Christian Life Skills/Lifestyles places special emphasis on an appreciation for God's creation of self as woman and the Christian commitment to be of service and to witness. In her study of the life skills essential to Christian living, the senior deepens her knowledge in areas such as personality and temperament, communication skills, human sexuality issues, decision-making strategies, healthy relationships, and the impact of media on values. The Media and Values unit is designed to provide students with an understanding of how

different types of media function and shape values, opinion and society. The student will explore her own values, examine how these have been shaped by the media, how they compare with Gospel values, and how they impact decisions for which she must take personal responsibility. Development of these life skills provides a context through which the senior approaches the discussion of Christian lifestyles. The Christian lifestyle options of single life, ordained ministry, religious life and married life are explored, with a greater amount of time devoted to preparing for and living a sacramental marriage.

The Sisters of Notre Dame Heritage unit recalls the lives of Mary, St. Julie and Sister Maria Aloysia. The unit reflects on their spirituality of God as central in their lives and how their faith in a good and provident God helped them through the joys and challenges of life. By being open to the graces of God, each one made a difference in the world. As daughters of these three great women, NDA students are called to make a difference by sharing their gifts and talents through their life choices. *This course is an NDA graduation requirement and is not UC/CSU approved.*

SCIENCE DEPARTMENT

The general science sequence is intended for the student to satisfy Notre Dame Academy graduation requirements and UC/CSU a-g requirements. The sequence of courses is as follows:

Classes of 2014 and before: sophomores take Biology (or Honors Chemistry), juniors take Chemistry (or AP Biology), and seniors have the option to take any of several science elective courses.

Classes of 2015 and beyond: freshmen will take Biology, sophomores will take Chemistry (or Honors Chemistry), juniors may choose to take AP Biology or another science elective, and seniors may also choose among the science elective courses.

Biology/Lab, Q6010

This laboratory course in modern biology stresses the thematic approach to scientific inquiry and investigative techniques in solving problems. Topics covered are: the cellular basis of life, evolution, relationship of structure and function in living systems, genetics, classification, and the interaction of organisms with their environment.

Chemistry/Lab, Q6020

This course is designed to develop a basic understanding of the composition and chemical properties of matter and the fundamental facts and key principles governing the behavior of the physical world. The laboratory sessions explore the physical and chemical properties of matter and how these properties relate to the world around us. Students use the scientific method to perform measurements, make observations, analyze data and form conclusions. **Prerequisites: completion of biology and junior or senior class standing.**

Physics/Lab, Q6040

This laboratory course deals with topics of motion, resolution and composition of forces, wave motion of light, optics, electricity, magnetism and atomic structure. This course is recommended for the student planning to study science or engineering related fields. **Prerequisites: senior class standing, first and second semester grades of 83% or above in Chemistry or 73% or above in Honors Chemistry, and first and second semester grades of 83% or above in current mathematics class or 73% or above in honors mathematics.**

Anatomy and Physiology/Lab, Q6060

This senior-level laboratory course explores the eleven systems of the human body, focusing on the structure and functions of the tissues and organs in these systems. A hierarchy of the levels of organization from the atom and cell up to organs and organ systems will provide the framework for studying the anatomy of each system. The appropriate physiological functions of each system will be discussed as well as related injuries and diseases. Laboratory sessions challenge students to participate in the hands-on experience of testing various physiological functions. Students are expected to dissect a selection of whole specimens and selected organs in order to observe and compare anatomical features. Students will also design experiments in which data will be collected and analyzed. This course is designed for students interested in biology, medicine, and their related fields. **Prerequisites: senior class standing; completion of Biology/Lab and Chemistry/Lab with first and second semester grades of 70% or higher; and successful completion of Algebra I.**

THE HONORS SCIENCE PROGRAM

This program is designed for the student intending to pursue engineering or a science-related major in college. All classes may have limited enrollment. Any exceptions for placement in Honors Chemistry, AP Biology, AP Chemistry or Honors Physics will be handled by the Director of Academics.

Honors Chemistry, Q6030

This sophomore-level course leads the student from concrete observations of the physical world to an abstract understanding of the atomic and molecular composition of the matter which makes up the physical world. Much of this study is quantitative and requires the solution of mathematical and word problems. The study includes stoichiometry, gas laws, chemical kinetics, equilibrium, oxidation-reduction and periodicity. This class is designed to prepare students for AP Biology in the junior year. **Prerequisites: sophomore class standing, first and second semester grades of 93% in Algebra I or 83% or higher in Honors Geometry or Geometry, and consent of the department chair. This is a UC/CSU weighted course.**

Advanced Placement Biology, Q6080

This course is designed for the high-ability, highly motivated and science-oriented junior or senior who has successfully completed Honors Chemistry and the Summer School AP Biology Prep course. This course seeks to meet the objectives of general biology courses at the college level. The course deals with the major subdivisions of biology: cellular and molecular, organismal, ecological, evolutionary, and population biology. This course prepares the student for the AP Biology Examination given in May. **Prerequisites: junior class standing, first and second semester grades of 83% or above in Honors Chemistry, and successful completion of the NDA Summer School AP Biology Prep course, and/or consent of the department chair. This is a UC/CSU weighted course.**

Honors Physics, Q6050

This course is designed for the high ability, highly motivated senior who has successfully completed biology and chemistry. This laboratory course studies topics of motion, resolution and composition of forces, wave motion of light, optics, electricity, magnetism and atomic structure. All topics will incorporate high level mathematical analysis involving trigonometric functions. **Prerequisites: senior class standing; first and second semester grades of 90% or above in chemistry or 80% or above in Honors Chemistry; first and second semester grades of 90% or above in Algebra II, or 80% or above in Honors Algebra II/Trig, Pre-Calculus, or Honors Pre-Calculus; and/or consent of the department chair. Limited enrollment. This is a UC/CSU weighted course.**

Advanced Placement Chemistry, Q6070

This course is designed for the high ability, highly motivated and science oriented senior who has successfully completed chemistry or Honors Chemistry. The course places emphasis upon the principle topics covered in introductory college chemistry courses, and seeks to meet the objectives of general chemistry courses at

the college level. This laboratory course extends the study of stoichiometry, gas laws, kinetics, equilibrium, oxidation-reduction, and periodicity. This course prepares students for the AP Chemistry examination given in May. **Prerequisites: senior class standing; first and second semester grades of 90% or above in Honors Chemistry, or 90% or above in chemistry and a passing score on the AP Chemistry readiness test; first and second semester grades of 90% or above in Algebra II or Pre-Calculus, or 80% or higher in Honors Algebra II/Trig or Honors Pre-Calculus; and/or consent of the department chair.** *This is a UC/CSU weighted course.*

SOCIAL STUDIES DEPARTMENT

The Social Studies sequence consists of Global Civilization freshman year, U.S. History or AP U.S. History junior year, U.S. Government and Economics or AP U.S. Government (with summer school *Economics*) senior year, and an elective AP World History available for sophomores through seniors.

Global Civilization, S1510

Global Civilization is the study of history that spans major eras from classical times to the present. Universal concepts and patterns of change are emphasized and analyzed. This course also fosters an appreciation of specific cultures and the specific contributions of their people.

United States History, S1530

This course is a study of the major turning points in American History. In addition to defining and identifying appropriate terms, concepts, persons and events, the student will strengthen research and communication skills and become aware of the effects various historical, political, and social movements have had on American culture.

Advanced Placement United States History, S1540

AP United States History covers the same material as the United States History course but with a broader in-depth study of the United States in the areas of political, economic, diplomatic, and cultural development. The student will be expected to use logical, critical, and objective thinking in assessing major historical events and controversies. The student will learn to synthesize, critique and evaluate the meaning of historical source materials. The course is designed to prepare the student for the AP examination with emphasis on the methodology of testing in that examination. **Prerequisites: demonstrating AP-level essay and critical thinking skills on the eligibility test, successful completion of the NDA summer school United States History course, and verification by the tenth grade literature and composition teacher. This is a UC/CSU weighted course.**

United States Government/Economics

One year comprised of the following courses:

United States Government, First Semester, S1555A – 5 credits

This course explores the basic philosophy, principles and implementation of the federal, state, and local government structures of the United States. Analysis of the philosophical origins of government as well as analysis of contemporary issues and practices constitutes an intrinsic component of the course through regular use of printed and electronic media.

Economics, Second Semester, S1555B – 5 credits

Macro economics focuses on the distinctive characteristics of the free market system, private property, freedom of contract, competition, the profit motive, government regulation, and the structure of the private enterprise system. The course involves familiarizing the student with other economic systems, as well as with domestic and international challenges to the economy of the United States. Emphasis is placed on global economics which stresses responsible citizenship and participation in global society.

Advanced Placement Government and Politics: United States, S1575

This course explores the political theory and everyday practices that direct the daily operation of our government and shape our public policies. Because this course prepares students for the AP exam, the course requires a substantial amount of reading and preparation for every class. The objectives of this course go beyond a

basic analysis of how our government works. Students will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their rights and responsibilities as citizens. Students will study and analyze government institutions and political processes, and examine policy choices. The institutions and policies of the U.S. government will be considered in light of historical change, constitutional procedures, and comparative perspectives. This is a year-long course. **Prerequisites: Senior class standing; demonstration of AP level essay and critical thinking skills on the eligibility test; first and second semester grades of 87% or above in United States History or 83% or above in AP United States History; and completion of a mandatory two and one-half week NDA Summer School Economics course. *This is a UC/CSU weighted course.***

Law/Psychology, S1580

One year comprised of the following courses:

Law in American Society, First Semester

Law introduces the student to the everyday application of the American legal system and how it impacts daily life. The course aims at developing a more positive awareness and attitude toward the role law plays in society. The course enables the student to prepare to meet legal situations that may confront her later in life. Through case study, discussion and role-playing the student will study major fields such as constitutional law, criminal law, consumer law, and family law. **Prerequisite: senior class standing. *This course is not UC/CSU approved.***

Developmental Psychology, Second Semester

This course surveys fundamental topics in psychology, the scientific study of behavior and mental processes. The topics covered include the history of psychological thought, neuroscience, states of consciousness, developmental psychology, theories of personality, abnormal psychology, sensation and perception, memory, learning and motivation. **Prerequisite: senior class standing. *This course is not UC/CSU approved.***

Advanced Placement Psychology, S1585

The AP Psychology course is for students who are highly motivated and willing to accept the challenge of a rigorous academic curriculum. This year-long course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each

of the major subfields within psychology. They will also learn about the ethics and methods psychologists use in their science and practice. The course is designed to prepare the student for the AP examination in May. This course is dependent on enrollment. **Prerequisites: senior class standing; first and second semester grades of 87% or above in United States History or 83% or above in AP United States History, and first and second semester grades of 87% or above in British Literature/Composition or 83% or above in AP English Language.** *This is a UC/CSU weighted course.*

Advanced Placement World History, Zero S1590Z

The goal of Advanced Placement World History is to develop an understanding of the evolution of world history and the interactions of human societies from earliest times to today. This course looks at the history of the world beginning with the civilizations in Sumer, Egypt, India, and of the world's great empires, the development of the world's religions, philosophical traditions, the roles of law and government, and social changes. The second semester focuses primarily on the modern era from about 1500 CE to the present a period in which the world became increasingly integrated. **Prerequisites: sophomore, junior, or senior class standing; demonstration of AP-level essay and critical thinking skills on an eligibility test; and a cumulative GPA of 3.6 or higher. Zero Period class meets Monday through Friday, 7:00-7:50 a.m. Tuition \$575.** *This is a UC/CSU weighted course.*

WORLD LANGUAGES DEPARTMENT

In keeping with University of California and California State Foreign Language requirements, students must complete two years (20 credits) in the same foreign language, with three years recommended. We highly recommend that students complete a fourth year to develop greater mastery of their selected language before moving on to university language study. Please note that Japanese I and II are new elective courses offered during Zero Period that do not satisfy the UC/CSU requirement, though they are excellent opportunities for enthusiastic linguists.

A freshman who wishes to begin her study of a foreign language at a level higher than first year may be admitted to a higher-level class on the basis of her score on a diagnostic test given by the World Languages Department. The Director of

Academics will handle any exceptions to this policy.

Spanish I, G3210

The Spanish I course introduces students to the basic elements of the language. Students develop basic listening, speaking, reading, writing, and cultural knowledge skills. The course employs dramatic skits and songs to enhance the learning experience and advance vocabulary and pronunciation skills. A key goal of this course is the development of an appreciation of customs and traditions associated with Spanish-speaking cultures. Students are encouraged to begin using Spanish phrases as soon as they learn them, with classroom instruction increasingly carried out in Spanish, especially in the fourth quarter. **Anyone with any previous experience with Spanish must take the Spanish placement exam before beginning this class.**

Spanish II, G3220

Spanish II develops listening, speaking, reading, writing, and cultural knowledge skills to a higher level than in Spanish I. Grammar work is more detailed at this level, where idiomatic expressions are emphasized. Audio and visual technologies enhance listening comprehension skills. The appreciation of customs and traditions associated with Spanish is further developed with students engaging in traditional arts and crafts. Students will give oral presentations in Spanish. Almost all instruction is in Spanish. **Prerequisite: grade of 70% or better for both semesters of Spanish I.**

Spanish III, G3230

Spanish III covers more advanced listening, speaking, reading, writing, and cultural knowledge skills. Audio and visual technology is used extensively to enhance communication and comprehension skills. Students report on daily news items, read authentic materials in Spanish, and engage in discussions on current events. They also begin to read and write about Spanish literature. Conversation and participation are essential. All instruction is in Spanish. **Prerequisite: grade of 70% or better for both semesters of Spanish II.**

Honors Spanish III, G3235

Honors Spanish III covers the curriculum of Spanish III, but at a faster pace and with the focus on preparing the student for the Advanced Placement Spanish Language course. In addition to the content of Spanish III, this course places even greater emphasis on advanced reading, writing, speaking, and listening comprehension skills. As this course is intended to prepare the student for AP Spanish, it will be especially rigorous, requiring active participation in the target language. Students will study Spanish literature and debate world issues. Authentic materials such as radio broadcasts will also be frequently used. **Prerequisites: grade of 90% or better in both semesters of Spanish II and/or the consent of**

the Spanish II teacher, and a passing score on the Honors Spanish III eligibility test (if required). *This is a UC/CSU weighted course.*

Spanish IV, G3240

Spanish IV is designed to develop in the student a measure of fluency with regard to reading, writing, speaking, and listening comprehension skills by means of a comprehensive review of material covered in the previous Spanish courses. The culture of Spain and Latin America is explored by means of articles from newspapers, short stories, songs, movies, and typical regional foods. **Prerequisites: grade of 80% or better for both semesters of Spanish III or 70% in Honors Spanish III, and/or the consent of the student's Spanish III teacher. A summer assignment given at the end of Spanish III will be due when the course begins in the fall.**

Advanced Placement Spanish Language, G3245

Advanced Placement Spanish Language is designed to sharpen the language skills of the student through an intensive grammar review, extensive vocabulary building, and the continued use of reading, writing, listening, and speaking skills. Speaking skills are developed through special class exercises, oral presentations including group and individual presentations, prepared and impromptu speeches, and consistent use of the language in the class. Listening comprehension skills are developed through the use of audio-visual materials. The student writes compositions regularly and is given practice in impromptu writing. The course is taught entirely in Spanish. The course is designed to prepare the student for the Advanced Placement Examination in Spanish Language, and thus requires that the student show a high level of maturity in taking responsibility for her own progress. **Prerequisites: Grade of 80% or better in both semesters of Honors Spanish III or 90% in Spanish III, and/or the consent of the of the Honors Spanish III or Spanish III teacher; and a passing score on the AP Spanish eligibility test, if required. A summer assignment given at the end of Honors Spanish III or Spanish III will be due when the course begins in the fall. *This is a UC/CSU weighted course.***

French I, G3310

French I begins the student's development of reading, writing, speaking and listening comprehension skills. The course introduces the basic elements of French grammar as well as aspects of French history and culture. Dramatic skits and songs are used to increase vocabulary and improve pronunciation. This is a class for beginners. **Anyone with any previous experience of French must take the French placement exam before beginning this class.**

French II, G3320

French II continues the student's development of reading, writing, speaking and

listening comprehension skills through the use of material relating to French history, culture, and literature. The student's vocabulary is expanded and pronunciation strengthened through the use of dramatic skits and French songs. **Prerequisite: grade of 70% or better for both semesters of French I.**

French III, G3330

French III continues the student's development of reading, writing, speaking and listening comprehension skills. Review of grammar, geography, contemporary culture, and oral expression is stressed. Other aspects of French culture are explored through songs, movies, celebration of French holidays, and a sampling of French cuisine. **Prerequisites: grade of 70% or better for both semesters of French II.**

French IV, G3340

French IV continues the student's development of reading, writing, speaking and listening comprehension skills with emphasis on both written grammatical accuracy and oral fluency. The student reads short stories in French and material relating to contemporary French culture. Other aspects of French culture are explored through songs, movies, celebration of French holidays, and *la bonne cuisine*. **Prerequisites: grade of 80% or better for both semesters of French III and/or the consent of the student's French III teacher. A summer assignment given at the end of French III will be due when the course begins in the fall.**

Advanced Placement French Language, G3345

Advanced Placement French Language continues the student's development of reading, writing, speaking and listening comprehension skills with emphasis on both written grammatical accuracy and oral fluency. The student reads short stories in French and material relating to contemporary French culture. Other aspects of French culture are explored through songs, movies, celebration of French holidays, and *la bonne cuisine*. The course is designed to prepare the student for the Advanced Placement Examination in French Language, and thus requires that the student show a high level of maturity in taking responsibility for her own progress. **Prerequisites: grade of 87% or better for both semesters of French III and/or the consent of the student's French III teacher. A summer assignment given at the end of French III will be due when the course begins in the fall. This is a UC/CSU weighted course.**

Japanese I, Zero G3410Z

This introduction to basic Japanese language is a beginning-level course that focuses on the polite form of the language. Students learn to understand and respond to simple expressions, identify and use elements of Japanese sentence structure, and develop a basic useful vocabulary. They also learn how to read and

write simple passages using the two Japanese phonetic writing systems (hiragana and katakana), as well as learn how to recognize, read, and use approximately 150 kanji characters. Students do short writing exercises and learn some of the most important elements of Japanese culture and customs. **Zero Period class meets Monday through Friday, 7:00-7:50 a.m. This is an elective course that does not count toward the required 20 credits in a foreign language. Tuition \$575. This course is not UC/CSU approved.**

Japanese II, Zero G3420Z

This course continues to help students expand their vocabulary, adding 150 more kanji to their store of characters learned. At this level students begin to read and write essays on selected topics, combining all the kana and kanji. More aspects of the culture are explored in greater depth including calligraphy and Japanese art. Students also learn about Japanese student life and present a project about Japanese cultural themes. **Zero Period class meets Monday through Friday, 7:00-7:50 a.m. This is an elective course that does not count toward the required 20 credits in a foreign language. Tuition \$575. This course is not UC/CSU approved.**

NON-DEPARTMENTAL OFFERINGS

A student wishing to enroll in the following offerings must have the consent of the instructor.

Library Assistant, Y8700 5 credits

The student will assist the librarian in providing basic reference and technical services. Duties include locating information and evaluating reference sources, book preparation and book repair, circulation functions such as desk duty and public relations, and a basic knowledge of cataloging systems. Prerequisites: junior or senior class standing. **Pass/Fail. This course is not UC/CSU approved.**

Office Assistant, Y8540 5 credits

The student will assist in the high school office with clerical work including typing, filing, record keeping, preparation of scheduling forms, etc. **Prerequisites: junior or senior class standing. Pass/Fail. This course is not UC/CSU approved.**

Study Hall, Y8800 No credit

Open to the student taking at least three AP courses. This course requires the approval of the administration. **Pass/Fail. This course is not UC/CSU approved.**

Yearbook Production, Tues/Wed Y8660T 5 credits

Students will produce the school yearbook, *Royale*. Tasks include theme development, writing and editing copy, designing layouts, and taking and editing photographs. **Class meets Tuesday and Wednesday from 2:45-4:15 p.m. Pass/Fail. Fee: TBD. This course is not UC/CSU approved.**

ZERO AND SEVENTH PERIOD OFFERINGS

Zero Period (before 8 a.m.) and/or Seventh Period (Mon-Thurs after 2:30 p.m./Fri after 1:00 p.m.)

Zero Period and Seventh Period classes are extended-day classes that carry their own tuition and fees. The times for the classes are indicated by each class. The tuition for these classes covers the cost of instruction and materials and is non-refundable if the student drops the class. **The tuition for Zero and Seventh Period classes will be included with FACTS if not paid with initial registration.** Insufficient enrollment may result in class cancellation. **Written parental and teacher consent is required for withdrawal from a class and is allowed only during the first two weeks of the class.** A grade of 0 will be given unless these requirements are met. Enrollment/withdrawal forms are available in the Business Office. If a student misses more than 1/5 of the number of classes per semester, she may lose full credit for the course. Please refer to the school calendar for days when Zero or Seventh Period classes are cancelled.

Since attendance at all Zero/Seventh Period classes is mandatory, and attendance for sports team participation is essential, **students who plan to participate in a sport may not sign up for Zero/Seventh Period classes during the sport's season. However, for those athletes wishing to take a Friday Seventh Period class, mandatory sports practice is waived.** In order to avoid conflict when selecting courses that may coincide with a particular season of sport, the following calendar is provided for your assistance.

SPORTS SEASON SCHEDULE

Volleyball	August	-	November
Cross Country	August	-	November
Basketball	November	-	February
Soccer	November	-	February
Softball	February	-	May
Swimming	February	-	May
Track & Field	February	-	May

Note: Dates do not include post-season play-off competition.

LIST OF COURSES

Please consult the course descriptions within the departmental listings for complete details of each course, including exact meeting times and any associated registration or materials fees. Courses are worth ten credits unless otherwise indicated.

Advanced Placement Studio Art (Drawing).....	Friday, B6030F
Advanced Placement Studio Art (2-D Design)	Mon/Wed, B6035M
Drawing.....	Friday, B6455F
Painting.....	Friday, B6300F
Photography I.....	Mon/Wed, B6350M
Photography II.....	Mon/Wed, B6355M
2-D Design.....	Mon/Wed, B6210M
Computer Literacy.....	3 credits, Zero, C4005Z
Journalism	5 credits, Mon/Wed, E2560M
Introduction to Song.....	Thursday, N7005T
Concert Choir I.....	Tues/Wed, N7010T
Concert Choir II	Tues/Wed, N7020T
Concert Choir III	Tues/Wed, N7030T
Concert Choir IV	Tues/Wed, N7040T
Liturgical Choir.....	5 credits, Monday, N7050M
Introduction to Dance	Mon/Wed, N6810M
Intermediate Dance.....	Tues/Thurs, N6820T
Advanced Dance.....	Friday, N6830F
Advanced Dance Performance.....	Friday, N6840F
Drama I.....	Zero, N6510Z Friday, N6510F
Drama II.....	Zero, N6520Z

	Friday, N6520F
Drama III	Zero, N6530Z Friday, N6530F
Drama IV.....	Zero, N6540Z Friday, N6540F
Play Production	Spring semester, 2.5 credits, N6590
Physical Education: Introduction to Dance	Mon/Wed V6810M
Physical Education: Intermediate Dance	Tues/Thurs V6820T
Physical Education: Advanced Dance	Friday V6830F
Physical Education: Advanced Dance Performance.....	Friday V6840F
Basketball Conditioning.....	First Semester, 2 credits, Mon/Wed V9810M
Soccer Conditioning	First Semester, 2 credits, Tues/Thurs V9110T
Swim Conditioning	Second Semester, 2 credits, Mon/Wed V9210M
Track and Field Conditioning..	Second Semester, 2 credits, Tues/Thurs V9310T
Advanced Placement World History	Zero, S1590Z
Japanese I	Zero, G3410Z
Japanese II	Zero, G3420Z
Yearbook Production.....	5 credits, Tues/Wed, Y8660M