



**COURSE DESCRIPTION BOOKLET**

**2014-2015**

# TABLE OF CONTENTS

SCHEDULING INFORMATION .....	3
GRADUATION REQUIREMENTS .....	5
COURSE OF STUDIES.....	6
7 <sup>TH</sup> AND 8 <sup>TH</sup> GRADES .....	6
9 <sup>TH</sup> AND 10 <sup>TH</sup> GRADES .....	7
11 <sup>TH</sup> AND 12 <sup>TH</sup> GRADES.....	8
HONORS PROGRAM.....	9
COURSES OFFERED BY THE VARIOUS ACADEMIC PROGRAMS .....	10
ACADEMIC ASSISTANCE DEPARTMENT.....	10
ART DEPARTMENT .....	11
BUSINESS DEPARTMENT.....	13
COMPUTER EDUCATION DEPARTMENT.....	15
ENGLISH DEPARTMENT .....	16
FOREIGN LANGUAGE DEPARTMENT .....	20
MATHEMATICS DEPARTMENT .....	22
MUSIC DEPARTMENT .....	25
PHYSICAL EDUCATION DEPARTMENT.....	26
READING DEPARTMENT .....	27
RELIGION DEPARTMENT .....	27
SCIENCE DEPARTMENT .....	29
SOCIAL STUDIES DEPARTMENT.....	33

N.B. St. Stanislaus is happy to have a partnership with Our Lady Academy. To enhance both schools' curricula, special courses are made available to both groups of students at one or the other's campus throughout the academic day. It is our expectation that young men who enroll in courses offered at Our Lady Academy must be in attendance at OLA according to their calendar of classes regardless of SSC's calendar. Should OLA not be in session, SSC students should report to the SSC Attendance Office for further instruction. St. Stanislaus students are also responsible for any and all work missed at OLA because of SSC-sponsored activities. Students who attend classes at another school are governed by the respective schools' rules for academics and behavior while in attendance at the other school.

## SCHEDULING INFORMATION

### QUESTIONS ABOUT THE SCHEDULING PROCESS:

All questions which you or your parents have about the curriculum, course offerings or graduation requirements are to be directed to the appropriate teacher, your Guidance Counselor, Brother Barry Landry, or Mr. Patrick McGrath.

### DATES OF THE COURSE REQUEST PROCESS

Current SSC students in grades seven to eleven will become involved in the Course Request Process beginning Wednesday, February 19. It will conclude on Wednesday, February 26, 2014, when students return their *Curriculum Planning Sheets/ Course Request Sheets* to Bro. Barry.

Students who are new to St. Stanislaus should discuss the Scheduling Process and an appropriate scheduling timeline with the Admissions Office.

### THE COURSE REQUEST PROCESS

1. Parents and students should study carefully the *Graduation Requirements* and the *Course of Studies*, which are outlined on pages 5 through 9 of this booklet. The notes at the bottoms of these pages contain important information; please read them carefully. Students who plan to earn a college degree in any field should follow the recommended graduation requirements for the college-bound student.
2. Students currently in grades eight to eleven are expected to complete the *four-year Curriculum Planning Sheet (CPS)* to carefully plan their high school academic career and to insure that all graduation requirements are met. (N.B. This CPS is for planning purposes only. A student will not be held bound to their initial plan. It will be adjusted and modified throughout high school.)
3. Read carefully the description for each course in which you are interested. The *Course Description Booklet* is available at the school's website ([www.ststan.com](http://www.ststan.com)) in PDF format. Pay special attention to a course's grade requirements, pre-requisites, approval needed, and fees, if any. Please note well the years during which courses will be offered. If no specific year is listed, it is probable that the course will be available each school year.
4. Students should consult with parents and teachers before making final course requests. Your parent(s) will ultimately have to sign the *Course Request Sheet* indicating approval of your choices before you return it. Course Request Sheets for resident students who cannot get a parent's signature before the course selection process is complete should have their CPS signed by Bro. Barry outside of class time on any school day.

### INDICATING YOUR CHOICES ON COURSE REQUEST SHEETS

1. **REQUIRED COURSES:** On your *Course Request Sheet*, draw a circle around each required course's *number* indicating your course choice. (*see below*) (The required courses are circled for you.) For those courses with a line following them, you will also need to get a teacher's signature of approval in order to be scheduled for this course.

**EXAMPLE:** To request a regular English I class, Course 310, which is worth one (1) credit, get the teacher's approval first by having your teacher sign or initial next to the course and then circle the course number.

(310) English I (1)     Mr. Joe Teacher

2. **ELECTIVE COURSES:** Please read carefully the directions for each of your grade's **elective options** and **alternate elective options**. You may need to circle more than one course in a given section. Draw a circle around each elective course's *number* indicating your course choice (*see above*). Elective courses with a line following them will also need a teacher's signature of approval in order for you to schedule this course.

3. **ALTERNATE ELECTIVE COURSES:** Be sure you indicate an appropriate number of **alternate elective courses** in case you cannot be scheduled for all your first elective choice(s). Placement in elective courses depends on the number of students selecting a course and the availability of faculty to teach the course. If an elective you choose is not offered, you will be placed in one of your alternate elective courses. *If you do not choose alternates, you will be placed in the most convenient elective(s) by the administration.*

Remember: Your *four-year Curriculum Planning Sheet* (grades 8-11) and your *Course Request Sheet* (grades 7-11) must be returned to Bro. Barry no later than Wednesday, February 26, 2014.

All students turning in course selection information after the due date will be given secondary priority in assignment to classes. Also, a student's course selection requests are processed only after registration for the 2014 - 2015 school year is complete.

<b>Graduation Requirements</b>			
--------------------------------	--	--	--

	<i>Minimum Requirements</i>	<i>Recommended for College-Bound</i>	<i>Required for St. Stanislaus Honors Diploma</i>
Religion	4.0*	4.0*	4.0*
English	4.0	4.0	4.0
Mathematics	4.0~	4.0~	4.0~
Science	4.0	4.0	4.0
Social Studies	4.0	4.0	4.0
The Arts	1.0	1.0	1.0
Computer Appl./Keyboarding (a.k.a Information and Communication Technology II)	1.0	1.0	1.0
Health	0.5	0.5	0.5
Physical Education (or Band)	0.5	0.5	0.5
Foreign Language	0.0	2.0	2.0
Electives	2.0	2.0	3.0
	25.0 units**	27.0 units**	28.0 units**

\* A student must take and pass Religion each year that he is enrolled at SSC.

\*\* All students are required to complete a service program each year of their SSC high school career in order to be promoted to the next grade level and to receive an SSC diploma.

~ A student must successfully complete a math course each year he is enrolled at SSC. The State of Mississippi requires that by the end of his high school career, a student must have successfully completed two math courses above the Algebra I level.

# Saint Stanislaus Course of Studies 2014 - 2015

---

## ***7th Grade Courses***

**Required Courses:** Religion 7  
Integrated Science 7  
Social Studies 7  
(*World Civ. to A.D. 1750*)  
English 7  
Reading 7

**Math Requirement:** Math 7\*  
(Choose 1) Pre-Algebra 7\*

**Elective Options:** Physical Education JH  
(Choose 1) Concert Band (*Jr. High*)  
Percussion (*Jr. High*)  
  
English as a Second Lang.  
(*Jr. High*)  
Academic Assistance 7\*

## ***8th Grade Courses***

**Required Courses:** Religion 8  
Integrated Science 8  
U.S. History 8  
(*U.S. History to 1877*)  
English 8

**Math Requirement:** Pre-Algebra 8\*  
(Choose 1) (1 H.S. credit)  
Algebra I (8<sup>th</sup>) \*  
(1 H.S. credit)

**Elective Options "A":** Computer Technology II  
(Choose 1) (1 H.S. credit)  
  
Academic Assistance 8\*  
English as a Second Lang.  
(*Jr. High*)\*

**Elective Options "B":** Physical Education JH  
(Choose 1) Beginning Band (*Jr. High*)  
Advanced Band (*Jr. High*)

- \*Note:**
1. Placement in Math courses will be made by the school based on standardized test scores and previous grades and in consultation with teachers.
  2. Registration in the Academic Assistance course requires the approval of the Academic Assistance Teacher and the Principal. An additional fee of \$1,200 is required for this course.
  3. Students successfully completing Pre-Algebra, Algebra I and/or Computer Discovery will receive High School credit for this (these) course(s).

## 9th Grade Courses

**Required Courses:** Religion I (1)  
Mississippi Studies (0.5)  
Intro. World Geography (0.5)

**English Requirement:** English I (1)  
(Choose 1 - One Credit) English I (Honors) (1)

**Math Requirement:** Algebra I (1)  
(Choose 1 - One Credit) Algebra I (Honors) (1)  
Geometry (1)  
Geometry (Honors) (1)

**Science Requirement:** Biology (1)  
(Choose 1 - One Credit) Biology (Honors) (1)

**Arts Requirement:** Art I (1)  
(Choose 1 - One Credit) Beginning Band (1)  
Advanced Band (1)

### Elective Course Options\* (Choose One Credit)

#### Semester Electives:

Keyboarding (0.5)  
Health (0.5)  
Computer Appl. (0.5)  
Desktop Publishing (0.5)  
Graphic Design (0.5)  
Law Related Ed. (0.5)  
Physical Education (0.5)  
(0.5 each semester)

#### Full Year Electives:

Academic Assistance\* (0)  
Eng. as a Second Lang. (1)  
French I, II (1 each)  
Spanish I, II (1 each)  
Advanced Band (1)  
Beginning Band (1)

## 10th Grade Courses

**Required Courses:** Religion II (1)  
World History (1)

**English Requirement:** English II (1)  
(Choose 1 - One Credit) English II (Honors) (1)

**Math Requirement:**  
(Choose 1 - One Credit) Geometry (1)  
Geometry (H) (1)  
Algebra II (1)  
Algebra II (Honors) (1)

**Science Requirement:**  
(Choose 1 - One Credit) Chemistry (1)  
Chemistry (Honors) (1)

### Elective Course Options\* (Choose Two Credits)

#### Semester Electives:

Keyboarding (0.5)  
Health (0.5)  
Computer Appl. (0.5)  
Desktop Publishing (0.5)  
Graphic Design (0.5)  
Law Related Ed. (0.5)  
Physical Education (0.5)  
(0.5 each semester)  
Varsity Athletics (0.5)  
(0.5 each semester)  
Geology (0.5)  
Environmental Sci. (0.5)  
Astronomy (0.5)

#### Full Year Electives:

Academic Assistance HS\* (0)  
Art I, II (1 each)  
Accounting I (1)  
Eng. as a Second Lang. (1)  
French I, II, III (1 each)  
Spanish I, II, III (1 each)  
Beginning Band (1)  
Advanced Band (1)

### \*NOTES:

1. Registration for the Academic Assistance class requires the approval of the Academic Assistance Teacher and the Principal. An additional fee of \$1,200.00 is required for this course.
2. All students must successfully complete Biology by the end of the 10th grade.
3. All students must earn a half-credit in Computer Applications and a half credit in Keyboarding before graduation. Computer Technology II fulfills both of these requirements.
4. Students in grades 10 -12 who anticipate participating in varsity sports should consult their coach about enrolling in 8th Period Varsity Athletics. Enrollment in this course is optional for varsity athletes.
6. Some courses may be taught through a joint effort between SSC and OLA. These courses may be offered on either campus and may be taught by faculty members on either staff.

## 11<sup>th</sup> Grade Courses

**Required Courses:** Religion III (1)

**English Requirement:** English III (1)  
*(Choose 1 - One Credit)* English III (H) (1)  
 English III (AP) (1)

**Math Requirement:** *(Choose 1 - One Credit Course)*  
 Algebra II (1) Trig./Pre-Calculus (H) (1)  
 Algebra II (Honors) (1) Statistics & Adv. Alg. (1)

**Science Requirement:** *(Choose a total of One Credit)*

**Semester Electives:** **Full Year Electives:**

Astronomy (0.5)	Biology (AP) (1)
Geology (0.5)	Chemistry (1)
Environ. Science (0.5)	STEM (1)
STEM (0.5)	Marine Science (1)
	Physics (1)

**U.S. History Requirement:** U.S. History (1)  
*(Choose 1 - One Credit)* U.S. History (AP) (1)

**Elective Course Options\*** *(Choose Two Credits)*

<b>Semester Electives:</b>	<b>Full Year Electives:</b>
Keyboarding (0.5)	Academic Assistance HS* (0)
Astronomy (0.5)	Art I, II, III (1 each)
Computer Appl. (0.5)	Accounting I (1)
Graphic Design (0.5)	Eng. as a Second Lang. (1)
Desktop Publishing I (0.5)	Marine Science (1)
Zoology (0.5)	French I, II, III, IV (1 each)
Health (0.5)	Spanish I, II, III, IV (1 each)
Geology (0.5)	Journalism Laboratory (1)
Environmental Science (0.5)	Biology (AP) (1)
Physical Education (0.5)	Physics (1)
Ceramics (0.5)	Speech (1)
Creative Writing (0.5)	Advanced Band (1)
Law Related Ed. (0.5)	Photography (1)
Mythology (0.5)	STEM (1)
Varsity Athletics (0.5)	
STEM (0.5)	

## 12<sup>th</sup> Grade Courses

**Required Courses:** Religion IV (1)  
 U.S. Government (0.5)  
 Economics (0.5)

**English Requirement:** English IV (1)  
*(Choose 1 - One Credit)* English IV (H) (1)  
 English IV (AP) (1)

**Math Requirement:** *(Choose 1 - One Credit Course)*  
 Statistics & Adv. Alg. (1)  
 Calculus (AP) (1)  
 Trig./Pre-Calculus (1)  
 Trig./Pre-Calculus (H) (1)

**Elective Course Options\*** *(Choose Four Credits)*

<b>Semester Electives:</b>	<b>Full Year Electives:</b>
Keyboarding (0.5)	Academic Assistance 12* (1)
Law Related Ed. (0.5)	Art I, II, III (1 each)
Computer Appl. (0.5)	Accounting I (1)
Desktop Publishing I (0.5)	Photography (1)
Graphic Design (0.5)	Eng. as a Second Lang. (1)
STEM (0.5)	Spanish II, III, IV (1 each)
Ceramics (0.5)	French II, III, IV (1 each)
Environmental Sci. (0.5)	Advanced Band (1)
Geology (0.5)	Marine Science (1)
Astronomy (0.5)	Chemistry (1)
Zoology (0.5)	STEM (1)
Varsity Athletics (0.5)	Physics (1)
(0.5 each semester)	Journalism Laboratory (1)
Physical Education (0.5)	Speech (1)
(0.5 each semester)	STEM (1)
Health (0.5)	
Intro. to World Geography (0.5)	

**\*NOTES:**

1. Registration for the Academic Assistance class requires the approval of the Academic Assistance Teacher and the Principal. An additional fee of \$1,200 is required for this course.
2. All students must earn a half-credit in Computer Applications and a half credit in Keyboarding before graduation. Computer Discovery fulfills both of these requirements. Keyboarding and Computer Applications are courses only for students who have not completed Computer Discovery in grade 8.
3. Students in grades 10 -12 who anticipate participating in varsity sports should consult their coach about enrolling in 8th Period Varsity Athletics. Enrollment in this course is not required for varsity athletes.
4. Students who have not earned a credit in World History must elect World History (before the junior year).
5. All students must earn one credit in Fine Arts and a half-credit in Health before graduation.
6. Some courses may be taught through a joint effort between SSC and OLA. These courses may be offered on either campus and may be taught by faculty members on either staff.

## CRITERIA FOR ADMISSION AND PARTICIPATION IN THE HONORS PROGRAM

In order to encourage each student to work to his fullest potential, to use his talents more effectively, and to give himself a broader education, St. Stanislaus provides an Honors Curriculum for students in grades 10 through 12. After successful completion of the Honors Curriculum, the student receives an Honors Diploma at graduation.

1. **ELIGIBILITY:** In order to be eligible for admission to the Honors Program, a student must have: a) at least a 3.5 weighted grade point average for each semester of freshman year, b) no quarter grade below a D and no semester grade below a C, and c) be in good standing with SSC.
  
2. **PARTICIPATION:** In order to remain in the Honors Program, a student must maintain those minimum letter grade requirements and must have at least a 3.5 weighted semester gpa for at least five of the six semesters of your sophomore, junior, and senior years. In order to remain in honors classes or in the honors program, a student must have the pre-requisite grades and approvals (found in the Course Description Booklet available on our website), and the Academic Dean's approval each year. Both the teacher's written recommendation and the Dean's approval are based on the following:
  - a) a student must be in good standing with the school;
  - b) a student must maintain high standards of behavior and cooperation in all classes;
  - c) a student must maintain high standards of academic honesty and integrity. Academic dishonesty includes but is not limited to plagiarism or cheating on a test, quiz, paper or project, or assisting another to do so, or having someone else do an assignment for you.

Should a student fail to meet these requirements, he will be notified in writing by the administration that he is no longer a participant in the Honors Program, and he will not be eligible to receive an Honors Diploma. However, such a student may be eligible to take an honors course or honors courses based upon the recommendations of his teachers and the respective department chairpersons.

Enrollment in an Honors class is a privilege, not a right, and enrollment in an Honors class is not based on academic performance or academic potential alone. Your effort and behavior in classes must be appropriate for an Honors Student. If your behavior, effort or performance indicate that you do not take your or your classmates' studies seriously, you will be removed from the Honors Program and/or Honors classes.

(N.B. The administration will evaluate the transcript of a high school student who transfers into St. Stanislaus to determine if comparable honors courses, grade requirements and academic standards have been met for enrollment in the Honors Curriculum. A student must meet the necessary course, grade requirements and ethical practices and be an SSC student for his full junior and senior years to be eligible to receive an SSC Honors Diploma.)

3. A student who successfully completes the Honors Program will be so designated at graduation and awarded a St. Stanislaus Honors Diploma.

(N.B. The St. Stanislaus Chapter of the National Honor Society is an extracurricular organization that is separate from the Honors Program. An NHS member may or may not receive an Honors Diploma, depending on his successful completion of the Honors Curriculum.)

4. The valedictorian and salutatorian must successfully complete the Honors Program.
  
5. All determinations of Honors Program participation and Honors Diploma eligibility are subject to review by the school administration.

## ACADEMIC ASSISTANCE DEPARTMENT

### **090 Academic Assistance JH (7<sup>th</sup> and 8<sup>th</sup> Graders) (No credit)**

### **095 Academic Assistance (9 - 12<sup>th</sup> Graders) (0 credit or 1 credit)**

**Prerequisite:** Current psycho-educational assessment (i.e. an evaluation within the last three years)

**Approval Needed:** Academic Assistance Teacher and Principal

St. Stanislaus offers a special program of *Academic Assistance* to both resident and day students who have been diagnosed with learning differences. The goals of the program are designed to assist and support students who have been diagnosed with special learning needs. Because of the special nature of this course, an additional yearly fee of \$1,200.00 is required for students enrolled in this course.

Academic Assistance classes focus on assistance to students in academic subjects as needed. The daily Academic Assistance class maintains a structured curriculum, which includes teaching organizational skills, time-management, study skills, formation of good self-esteem, and tutoring. Special attention is given to the development of personal responsibility skills such as self-advocacy, self-control, and gaining knowledge about personal strengths and weaknesses.

The Academic Assistance teacher works with regular classroom teachers to make minor classroom modifications and accommodations designed to enhance the student's opportunities for success. Also, in selected grades and in certain subject areas, special courses are designed for students performing below the grade level norm. In addition to assistance in academic areas, program personnel seek to provide support in related personal matters through frequent consultations with prefects, parents, administrators, guidance counselors, and the school nurse to help solve problems with behavior, medication, and other needs or problems as they surface.

Placement in the program is limited and is made by the school based on an evaluation of the student's record. A current (i.e. within the last three years) psycho-educational assessment with accompanying professional recommendations is required for a student to be considered for admission to the program. A student who needs assistance beyond this program or who cannot be placed in it because of limited space or other reasons may avail himself of private tutoring. The cost of private tutoring is the responsibility of the parents or guardians. St. Stanislaus assists in trying to locate tutors but does not guarantee their availability.

## ART DEPARTMENT

### 110 Visual Arts I

*For Students in Grade(s):* **9 – 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

Art I, an elective course that fulfills Arts graduation requirement, provides an opportunity for creative and intellectual development through visual arts learning. Students explore the principles of art and design through various art projects. A variety of media, stylistic periods, and techniques are introduced in this course.

### 120 Visual Arts II

*For Students in Grade(s):* **10 – 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Satisfactory completion of Art I**

*Approval Needed:* **Art Teacher**

Art II is an elective course that continues the emphasis of creative and intellectual development through visual arts learning. Students further investigate the principles of art and design through a variety of art projects that emphasize expressive quality, creative approaches, and meaningful content in their work. Formal oral and written critiques are used to evaluate the process and product of their work. Students will begin developing their own artistic voice and a body of work for inclusion in a portfolio. Prerequisite requirement may be waived upon teacher recommendation based on a review of a body of work demonstrating accomplishment of Art I competencies, and approval of the Academic Dean.

### 130 Visual Arts III

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Satisfactory completion of Art II**

*Approval Needed:* **Art Teacher**

This program of study focuses on the creation and study of more advanced works of art and a continuation of the body of work for inclusion in a portfolio. Building on concepts and skills acquired in prerequisite courses – Art I and II – students will work at a more advanced level applying their knowledge of production, critical analysis, history and culture, aesthetics, and connections among the visual arts, other content areas and everyday life. Prerequisite requirement may be waived upon teacher recommendation based on a review of a body of work demonstrating accomplishment of Art I and Art II competencies, and approval of the Academic Dean.

### 135 Ceramics

*For Students in Grade(s):* **11 and 12**

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **Art Teacher**

This high school program of study focuses on knowledge and skill in three dimensional designs with clay. Students gain knowledge of production, critical analysis, history and culture, aesthetics and connections among ceramic arts and everyday life. Work will be limited primarily to three dimensional media, techniques and processes.

## **140 Photography**

*For Students in Grade(s):* **11 and 12**

*Credit:* **1 credit**

*Prerequisite(s):* **Successful completion of Art I**

*Approval Needed:* **Academic Dean or Principal**

**NOTE:** Supply Fee Required

This program of study focuses on developing in-depth knowledge and skills in two-dimensional design with photographic media. Students increase their knowledge of design as applied to photographic works, critical analysis, history and culture, aesthetics and connections among the photographic arts, other content areas, and everyday life.

## BUSINESS DEPARTMENT

### 210 Keyboarding

*For Students in Grade(s):* **9 - 12**

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **Academic Dean**

Keyboarding is required of any high school student who has not completed Computer Discovery in the 8<sup>th</sup> grade. This course is designed for the student to master the touch-method of key-stroking for entering alphabetic, numeric, and symbolic information on a standard keyboard. Emphasis is placed on the development of acceptable speed, accuracy, and proper posture. Students also learn about the history of computers and the basic functions of the computer. (N.B. Students who can demonstrate proficiency in all areas of the course as described above may test out of Keyboarding. This should be arranged through the Principal or Academic Dean.)

### 230 Accounting I

*For Students in Grade(s):* **10 - 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A 2.0 GPA for juniors and seniors; a 3.0 GPA for sophomores, and successful completion of Algebra I**

*Approval Needed:* **Business Teacher**

This elective course, open to sophomores, juniors and seniors, is designed to present basic accounting terminology, principles, and procedures. The accounting cycles for both a service business and a merchandising business organized as a proprietorship or as a partnership are covered. The course lays a good foundation for those who plan to study business at the college level, for those who will pursue a business-related career, or for personal use. Students enrolled in the course must purchase a workbook and a practice set of materials. (Offered yearly)

### 240 Entrepreneurship

*For Students in Grade(s):* **9 - 12**

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

Entrepreneurship is designed to equip students with introductory skills which help prepare them to organize and run a business. Business terminology, basic entrepreneurship concepts, and fundamental operating principles are emphasized. Through this course, students are involved with activities such as developing market plans and applying global economic concepts. They analyze supply and demand and understand how it affects price and profit. They also learn to calculate operational expenses in determining profit. Finally, they are exposed to ethical problems related to the work place and discuss possible solutions for some of these problems.

## COMPUTER EDUCATION DEPARTMENT

### 250 Computer Applications

*For Students in Grade(s):* 9 – 12

*Credit:* 0.5 credit

*Prerequisite(s):* **Keyboarding**

*Approval Needed:* **None**

Computer Applications is a required introductory course open to freshmen, sophomores, juniors, and seniors who have not completed Computer Discovery in the 8<sup>th</sup> grade. Students learn how to perform basic functions on word-processing, database, and spreadsheet applications software. They also learn how to properly format memoranda, personal-business letters, and MLA-style reports as well as how to use an Internet browser to conduct academic research using on-line resources on the World Wide Web. (N.B. Students who can demonstrate proficiency in all areas of the course as described above may test out of Computer Applications. This should be arranged through the Principal or Academic Dean.)

### 252 Desktop Publishing I

*For Students in Grade(s):* 9 – 12

*Credit:* 0.5 credit

*Prerequisite(s):* **Successful completion of Computer Applications or Computer Discovery with a "C" or better**

*Approval Needed:* **Computer Teacher**

Desktop Publishing I offers students the opportunity to use keyboarding and word processing skills in the production of attractive documents such as flyers, letterheads, business cards, report covers, and newsletters. Graphic design and page layout techniques are emphasized. Students will produce attractive documents that effectively use and display proper desktop publishing strategies.

### 254 Graphic Design

*For Students in Grade(s):* 9 – 12

*Credit:* 0.5 credit

*Prerequisite(s):* **Successful completion of Computer Applications or Computer Discovery with a "C" or better**

*Approval Needed:* **Computer Teacher**

This course is available for freshmen, sophomores, juniors, and seniors who have completed and can demonstrate mastery of basic computer applications. In this advanced course, students learn to design and launch fully integrated Web sites. Topics for the class include: HTML, Java, Flash, Swish, animated GIFs, FTP, and other skills depending on the progress of the class.

### 258 Information and Communication Technology II

*For Students in Grade(s):* 8

*Credit:* 1.0 credit

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This course is required for all eighth grade students. The course incorporates both Keyboarding and Computer Applications high school courses. Students successfully completing Computer Discovery receive one high school credit and are not scheduled into a Keyboarding or Computer Applications course in high school. The Keyboarding portion of the course is designed to help students master the touch-method of entering alphabetic and numeric data into a computer using a standard keyboard. Emphasis is placed on the development of acceptable speed, accuracy, and proper posture. The Computer Applications portion of the course is designed to introduce students to the use of word processing, database, spreadsheet, desktop publishing software, and Internet browser software. In addition, students learn about the history of computers, how to properly format memorandums, personal-business letters, and MLA-style reports, and how to use an Internet browser to access on-line resources to conduct academic research.

## ENGLISH DEPARTMENT

**Please note: Most English classes require students to purchase novels at the student's expense.**

### **307 English 7**

*For Students in Grade(s):* 7 *Credit:* **None (Jr. High courses are given no H.S. credit.)**  
*Prerequisite(s):* **Successful completion of English 6**  
*Approval Needed:* **None**

English 7 places emphasis on grammar, writing mechanics, sentence structure, and usage. Communication skills and effective spelling and vocabulary are also stressed. Literature is discussed through the introduction of the short novel as well as through reading a range of short nonfiction articles and essays. Study in the elements of writing, the types of paragraphs, and elements of fiction are begun at this grade.

### **687 Reading 7**

*For Students in Grade(s):* 7 *Credit:* **None (Jr. High courses are given no H.S. credit.)**  
*Prerequisite(s):* **None**  
*Approval Needed:* **None**

This seventh grade course is designed to improve the reading skills of students of various abilities. Students work on improving their decoding skills, study skills, spelling, vocabulary, and reading comprehension. These skills are refined and expanded through book reports and oral communication. Independent reading is fostered through the study of specific novels and authors with emphasis on biographies, American history, and mystery and science fiction literature. The students are also introduced to dictionary and library use.

### **308 English 8**

*For Students in Grade(s):* 8 *Credit:* **None (Jr. High courses are given no H.S. credit.)**  
*Prerequisite(s):* **Successful completion of English 7**  
*Approval Needed:* **None**

English 8 emphasizes grammar, spelling and vocabulary, literature, and composition. Effective communication skills are stressed in creative and technical writing assignments and verbal presentations. Students practice paragraph and essay writing skills and expand verbal expression skills in oral reports, speeches, and poetry recitations. Literature study includes short stories, poetry, dramas, and novels. Two novels selected by the teacher are studied at this level.

### **310 English I**

*For Students in Grade(s):* 9 *Credit:* **1.0 credit**  
*Prerequisite(s):* **Successful completion of English 8**  
*Approval Needed:* **None**

Required of all ninth graders, English I places emphasis on composition (the essay and introduction to the three-point paper), grammar and usage, literature, and vocabulary development for the freshman year of high school. Students compose original works of prose and poetry. The areas of grammar and usage are now incorporated within the study of compositions. Students survey world literature and the short story. Each student is required to read two to four novels selected by the teacher or chosen by the student from an appropriate grade level list. In conjunction with the required novels, English I students study the Shakespearean play Romeo and Juliet.

### **311 English I (Honors)**

*For Students in Grade(s):* 9

*Credit:* 1.0 credit

*Prerequisite(s):* A 3.5 GPA in previous English classes and successful completion of English 8

*Approval Needed:* Present English Teacher

English I (Honors) covers all components of regular English I and places additional emphasis on the in-depth study of the writing process as it relates to themes, creative writing, the research paper, in-depth study of the novel (four-five required), advanced grammar and vocabulary, and Shakespearean study. Honors students also receive instruction in world literature, where they examine cross-cultural literary themes and compare the writings of various time periods.

### **320 English II**

*For Students in Grade(s):* 10

*Credit:* 1.0 credit

*Prerequisite(s):* Successful completion of English I

*Approval Needed:* None

English II is required of all sophomores and places emphasis on the areas of composition and appropriate word usage, World Literature, and vocabulary development within context. Strategies and methods pertinent to expository, descriptive, narrative, and argumentative compositions are discussed and practiced. Students are required to complete a basic research paper. World Literature is examined in detail at the sophomore level. In addition to studying Shakespeare's *Julius Caesar*, each student is required to read four novels and one play selected by the teacher.

### **321 English II (Honors)**

*For Students in Grade(s):* 10

*Credit:* 1.0 credit

*Prerequisite(s):* A "B" in English I Honors or an "A" in English I

*Approval Needed:* Present English Teacher or English II Honors Teacher

Designed as a pre-Advanced Placement course, English Honors II covers the same basic course content as English II at an accelerated pace. Further emphasis is given to research skills, literary interpretation (both fiction and non-fiction), language and composition, and rhetoric. World literature is the literary focus of the class. In addition to the study of a Shakespeare play, students are required to read four to six novels, complete a research project, and complete a literary analysis project. Enrichment activities in various literary genres are covered. The goal for students in English II Honors is admission into the English III AP class.

### **330 English III**

*For Students in Grade(s):* 11

*Credit:* 1.0 credit

*Prerequisite(s):* Successful completion of English II

*Approval Needed:* None

Required of juniors, English III places emphasis in the areas of grammar and composition, American literature, research development, critiques, and critical analysis. The focus in literature is on the various styles and genres of American writing (i.e. short story, poetry, the American novel, etc.). A Shakespearean play will be read and discussed. Students are required to read three to four American novels and one American play assigned them by the teacher.

### **332 English III (H)**

*For Students in Grade(s):* **11**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A “B” in English II Honors or an “A” in English II and the recommendation of current English teacher**

*Approval Needed:* **Present English Teacher or English III Honors Teacher**

Honors English III covers the same course content as English III. Further emphasis is given to an extensive study of the novel, modern American authors, and creative writing. Special literary units are taught based on student interest and teacher recommendations. In addition to the four required novels, students will read two additional novels. A goal of the English III Honors class is preparation for possible admission in the English IV Advanced Placement class.

### **331 English III (AP)**

*For Students in Grade(s):* **11**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A “B” in English II (Honors) or an “A” in English II and the recommendation of current English teacher**

*Approval Needed:* **Present English III (AP) Teacher and Academic Dean or Principal**

English III Advanced Placement (Language and Composition) is an intensive study of rhetorical models of writing, history of literary periods, and language usage. Students will develop an understanding of linguistic choices including sentence structure, figurative language, style, and tone, through reading, annotating, and discussing various essays, articles, and excerpts. Further, students will study various genres and authors found within American literature. Students are encouraged to take the AP Examination in May. The cost of the AP Exam is approximately \$87.00, paid by the student.

### **340 English IV**

*For Students in Grade(s):* **12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of English III**

*Approval Needed:* **None**

English IV is required for all seniors and focuses primarily on the history and development of British literature and on composition writing. Completion of a research paper on an approved topic is required. Students survey British literature with emphasis on the various styles and periods of writing. A Shakespearean tragedy and/or comedy is/are covered in detail. Students are required to read four novels selected by the teacher from the senior level reading list.

### **331 English IV (H)**

*For Students in Grade(s):* **12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A “B” in English III (Honors or AP) or an “A” in English III**

*Approval Needed:* **English III Teacher or English IV Honors Teacher**

English IV Honors explores all aspects of regular English IV while incorporating some of the goals of and subjects covered in the English IV AP class. There is greater attention given to writing forms, novels, poetry, and literary elements. In conjunction with the four required novels, honors students are required to complete extra reading assignments, plot summaries, critical critiques, research projects, and essays.

## **341 English IV (AP)**

*For Students in Grade(s):* **12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A "B" in English III (AP) or an "A" in English III and the recommendation of current English teacher**

*Approval Needed:* **Present English (AP) Teacher and Academic Dean or Principal**

English IV Advanced Placement (Literature and Composition) is an intensive study of representative works from various genres and literary periods. Students are required to read a total of 10 novels, essays, poems, and/or plays beginning in the summer after their junior year. With a college approach, special attention is given to analyzing literary style, form, and structure in order to complete analytical, expository, and argumentative essays. Students are encouraged to take the AP Examination in May. The cost of the AP Examination is \$82.00, paid by the student. The student also incurs the cost of all required novels.

## **354 Speech**

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of English II**

*Approval Needed:* **Academic Dean or Principal**

This course presents general communication techniques designed to improve a student's oral expression, listening skills, speaking skills, and to help the student become a more effective communicator. In addition to listening and speaking skills, the course presents the students with the basics of debate, oral interpretation, and film development critique.

## **367 Journalism Laboratory I**

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of English I**

*Approval Needed:* **Academic Dean or Principal**

In this course students will perform specific duties with leadership functions to be outlined, assigned, and evaluated through production of a publication, the school yearbook. Development and evaluation of skills will be individualized and performance-based, varying with the publication style and content and in conjunction with assigned duties necessary for successful completion of the yearbook.

## **362 Creative Writing**

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of English II**

The Creative Writing course will provide the student practices in the processes of composing poems, personal descriptive and narrative essays, and short fiction. If time allows, the writing of drama may be pursued. The course affords an opportunity for self-expression, promotes critical thinking, expands the imagination, and develops the use of figurative and literal language. The student will pursue an independent project in creative writing. The student will become a critical reader and editor of her own work and the work of her classmates. The student will be encouraged to submit works for publication.

## **351 English as a Second Language (ESL) (Junior High)**

## **352 English as a Second Language (ESL) (Senior High)**

*For Students in Grade(s):* **7 - 12**

*Prerequisite(s):* **None**

*Approval Needed:* **Academic Dean or Principal**

*Credit:* **None (Junior High courses receive no H.S. credit.)  
Senior High course 1.0 credit**

The English as a Second Language program at St. Stanislaus is designed for students whose first language is not English. International or bilingual students who do not demonstrate proficiency on the Language Assessment Scale (LAS), which is administered at the beginning of the year, are required to take this course. Proficiency is a score of 4 or 5 on the LAS scale. An additional fee of \$600 per semester is charged for this course. This program includes instruction in both small groups and individualized settings and offers strategies to help with the acquisition of English as a second language. The goal of the course is to improve a student's use of English in everyday conversation as well as to assist in the understanding of subject area materials encountered in the regular classroom. Instruction focuses on proper usage of English in reading, writing, and speaking. The regular textbooks used in the student's subject areas are supplemented with related print and non-print materials to improve vocabulary, spelling, and grammar. Reading short high-interest stories and giving oral talks to classroom peers provide further practice in English.

At the end of the first semester of work in ESL a student is assessed for proficiency in English provided that his performance in his other subjects is at the "C" level or higher. A score of a 4 or a 5 on the Language Assessment Scale allows a student to enroll in another subject. Otherwise, he remains in the ESL program for the second semester. A student whose performance in any academic subject is below the "C" level continues in the ESL program for a second consecutive semester. At the end of the second semester of ESL, the LAS is administered to determine the English proficiency of each student.

## FOREIGN LANGUAGE DEPARTMENT

### 410 French I

*For Students in Grade(s):* **9 - 11**

*Credit:* **1.0 credit**

*Prerequisite(s):* **"C" or better in English the previous year**

*Approval Needed:* **None**

French I, an elective course open to students in Grade 9, 10, and 11, is an introductory course in the French language with emphasis on developing minimum proficiency in the four basic communicative skills: listening, speaking, reading, and writing. The course also aims to increase the student's knowledge and appreciation of the diverse cultures of the countries where French is spoken. Two years of a foreign language are recommended for the college-bound student.

### 420 French II

*For Students in Grade(s):* **9 - 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **"C" or better in French I**

*Approval Needed:* **Present French Teacher and Academic Dean or Principal**

French II is a foreign language elective that continues the vocabulary and structures begun in French I with emphasis on developing proficiency in oral and written communication as well as listening and reading comprehension in the context of culturally authentic situations. Two years of a foreign language are recommended for the college-bound student.

### 430 French III and 440 French IV

*For Students in Grade(s):* **10 - 12**

*Credit:* **1.0 credit each**

*Prerequisite(s):* **"B" or better in French II or III, respectively**

*Approval Needed:* **Present French Teacher and Academic Dean or Principal**

French III and IV are taught together. The contents of the courses alternate from year to year so that a student may have four distinct years of instruction in French. One year, oral communication skills are emphasized to help the students create with language, participate in progressively more challenging conversations, and communicate successfully in basic situations. Short stories and brief dramatic sketches are studied. In the alternate year, using a grammar-based approach, the emphasis is on oral and written proficiency in the language. Through the study of current literature, the students express ideas and feelings that go beyond the basic level of communication. This course is recommended for the student who wishes to optimize proficiency in the language.

### 450 Spanish I

*For Students in Grade(s):* **9 - 11**

*Credit:* **1.0 credit**

*Prerequisite(s):* **"C" or better in English the previous year**

*Approval Needed:* **None**

Spanish I is an introductory course in the Spanish language with emphasis on minimum proficiency in the four basic skills: listening, speaking, reading, and writing. The course also aims to increase the student's knowledge and appreciation of the diverse cultures of the countries where Spanish is spoken. Two years of a foreign language are recommended for the college-bound student.

## **460 Spanish II**

*For Students in Grade(s):* **9 – 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **“C” or better in Spanish I; Ninth grade students must pass a proficiency exam to enroll in Spanish II**

*Approval Needed:* **Present Spanish Teacher**

Spanish II, a 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade elective, is a continuation of the vocabulary and structures begun in Spanish I, with emphasis on the development of proficiency in oral and written communication as well as listening and reading comprehension in the context of culturally authentic situations. Two years of a foreign language are recommended for the college-bound student.

## **470 Spanish III**

*For Students in Grade(s):* **10 – 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **“B” or better in Spanish II**

*Approval Needed:* **Present Spanish Teacher**

This course completes the grammar and structure begun in Spanish II and I with emphasis on linguistic proficiency and cultural sensitivity. Emphasis is placed on the continuing development of listening skills, reading comprehension, and accuracy of expression in written and oral form.

## **480 Spanish IV**

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **“B” or better in Spanish III**

*Approval Needed:* **Present Spanish Teacher and Academic Dean or Principal**

Spanish IV is a college-level course designed for those students who have demonstrated proficiency in the areas of listening, reading, writing and oral communication. The course is structured around authentic literature from Spanish and Latin American Sources, with emphasis on original composition based on the literary selections. An overview of literary terms is also included to foster creative classroom discussion of the works covered.

# MATHEMATICS DEPARTMENT

## 507 Math 7

*For Students in Grade(s):* 7

*Credit:* None (Jr. High courses are given no H.S. credit.)

*Prerequisite(s):* Successful completion of Math 6

*Approval Needed:* None

This course is a basic seventh grade math course and provides a thorough review of arithmetic concepts. After a quick review of basic operations, decimals and place value are studied. Fractional parts and conversions to percents are included. Composition of word problems is stressed. Ratio, proportion, exponents, scientific notation, unit price, perimeter, area, volume, order of operations, positive and negative numbers, reading graphs, scale factor, GCF, and LCM are also studied.

## 577 Pre-Algebra (7th Graders)

## 508 Pre-Algebra (8<sup>th</sup> Graders)

*For Students in Grade(s):* 7 and 8

*Credit:* 1.0 high school credit for 8<sup>th</sup> grade

*Prerequisite(s):* Seventh graders – determined by Academic Dean based upon historical grades and standardized test scores

*Approval Needed:* None

Pre-Algebra is the regular eighth grade math course. It is also taught to seventh graders who have demonstrated a complete mastery of Math 7 topics as determined by the teacher and Academic Dean. The course reviews order of operations, exponents and roots, word problems, decimals and percents, ratio and proportion, surface area and volume. The concept of the variable is introduced in linear equations. Emphasis is placed on negative numbers in math operations. The second semester features the rectangular coordinate system, the graphing of lines, and geometric concepts.

## 510 Algebra I

## 511 Algebra I (Honors)

*For Students in Grade(s):* 8 and 9

*Credit:* 1.0 high school credit

*Prerequisite(s):* Eighth graders – successful completion of Pre-Algebra and teacher approval; for placement in Algebra I Honors, completion of Pre-Algebra with at least a B average;

Ninth graders – successful completion of Pre-Algebra with at least a B average and teacher approval in order to be placed in Algebra I Honors.

*Approval Needed:* Present Math Teacher

Offered to accelerated eighth graders and to freshmen, this course begins with a review of variables and basic formulas, negative numbers, ratio and proportion, open sentences, absolute value, and graphing linear equations. New material includes working with polynomials, motion problems, factoring, quadratics, negative exponents, Pythagorean theorem, functions, direct and inverse variations, and simultaneous equations. (N.B. Eighth graders who earn less than a strong "C" average in Algebra I will be asked to repeat the course as freshmen the following year.)

## 520 Geometry

*For Students in Grade(s):* **9, 10, 11, or 12** *Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion ("C" or better) of Algebra I**

*Approval Needed:* **Present Math Teacher**

This course focuses on plane and solid geometry topics to include points, lines, rays, segments, angles, triangles, quadrilaterals, various other polygons, circles and figures that can be drawn in a plane. It explores the various relationships, equalities, congruencies, and inequalities among and between these figures. Various shapes are studied, especially the triangle, parallelogram, and circle. Some aspects of solid geometry pertaining to volumes and surface areas of prisms, cylinders, cones, pyramids, cylinders, and spheres are covered. Students will also study the concepts of congruency and similarity of triangles and polygons along with an introduction to trigonometry. Students are expected to have a scientific calculator or a graphing calculator for class work and for tests.

## 521 Geometry (Honors)

*For Students in Grade(s):* **9 or 10** *Credit:* **1.0 credit**

*Prerequisite(s):* **A minimum "B" average for each semester in the previous Math course**

*Approval Needed:* **Present Math Teacher**

This course is similar in scope to the regular geometry course, but a greater depth of mastery is required. Additional topics concerning proofs, flow chart thinking, syllogistic reasoning, and an introduction to trigonometric concepts are included. Students are expected to have a scientific calculator or a graphing calculator for class work and for tests..

## 530 Algebra II

*For Students in Grade(s):* **10 – 12** *Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of Algebra I and Geometry**

*Approval Needed:* **Present Math Teacher**

Traditionally the third high school math course, Algebra II is open to all students who have successfully completed Algebra I and geometry. After a brief review of Algebra I concepts, students are exposed to methods of graphing simultaneous equations, uniform motion problems, imaginary numbers, polar coordinates, inverse variation, mixture problems, and conic sections. The study of functions and their solution and graphs are emphasized using many different techniques. Applications that correlate problem-solving skills and analysis using a graphing calculator will also be utilized.

## 531 Algebra II (Honors)

*For Students in Grade(s):* **10 and 11** *Credit:* **1.0 credit**

*Prerequisite(s):* **A minimum "B" average for each semester in the previous Math course**

*Approval Needed:* **Present Math Teacher**

Algebra II Honors goes beyond the topics traditionally covered in Algebra II. Algebra II Honors explores linear programs, systems of three variables, logarithms and antilogs, exponential growth and decay, application of quadratics in maximum and minimum problems, trigonometric functions and their applications.

## 540 Trigonometry/Pre-Calculus

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of Algebra I, Geometry, and Algebra II with “C” or better in Algebra II**

*Approval Needed:* **Present Math Teacher and Academic Dean or Principal**

This is a one-year course, i.e. one semester of trigonometry and one semester of pre-calculus, for students who have successfully completed Algebra I, Geometry, and Algebra II. In Trig, students study the relationship between angles and sides of triangles. The concept of radian and degree measure is explored, along with the solving and graphing of trigonometric equations. Double and half-angle formulas, Pythagorean applications, and the use of vectors are introduced. Emphasis is placed on application problems related to construction, architecture, surveying, navigation, and physics. A graphing calculator is highly recommended.

In pre-calculus, students study the higher-order functions, including matrices and determinants, exponents and logarithms, complex numbers, probability and statistics, permutation and combinations, summation notation, and an introduction to limits. Advanced graphing techniques are studied.

## 541 Trig/Pre-Calculus (Honors)

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A minimum “B” average for each semester in previous Math course**

*Approval Needed:* **Present Math Teacher and Academic Dean or Principal**

This course, primarily for advanced juniors and seniors, goes beyond a traditional Trig/Pre-Calculus course in the investigation of enrichment topics such as mathematical induction, limits, first derivatives, application of exponential growth and decay, and optimization problems. This course serves as a strong introduction to calculus concepts. A graphing calculator is highly recommended.

## 544 Probability and Statistics/Advanced Algebra

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of Algebra II and/or Trig/Pre-Calculus**

*Approval Needed:* **Present Math Teacher and Academic Dean or Principal**

This is a one-credit elective math course for the junior or senior student who has completed Algebra II and/or Trig/Pre-Calculus. Students learn to use counting techniques and the Fundamental Counting Principle to determine the probability of an event. Conditional probability and the applications of probability of various disciplines are explored. Graphs and charts are developed to present statistical organization and analysis. Central tendencies, and dispersion and deviation from the mean are also studied. The advanced algebra component serves to extend algebraic and geometric skills, reinforcing the topics of equations, inequalities, matrices, and conic sections. (*Offered yearly*)

## 550 Calculus (AP)

*For Students in Grade(s):* **12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A 3.5 G.P.A. in Trig/Pre-Calculus or 3.0 G.P.A. in Trig/Pre-Calculus (H)**

*Approval Needed:* **Present Math Teacher and Academic Dean or Principal**

Calculus Advanced Placement is a college-level course intended to be a fifth year of high school mathematics. Most of the year is devoted to topics in differential and integral calculus as preparation for the Advanced Placement Exam in the spring. Major topics include: functions and their graphs, limits and infinity, derivatives and their applications, and integrals and their applications. Marginal analysis, equilibrium functions, and related topics of business and economics are also covered. Application examples are derived from Physics, Mathematics, Business, Biology, and many other fields.

## MUSIC DEPARTMENT

### **630 Beginning Band (Grades 9-10)**

### **631 Beginning Band Jr. High (Grades 7-8)**

*For Students in Grade(s): 7-10*

*Credit: High school students receive 1.0 credit.*

*Prerequisite(s): None*

*Approval Needed: Band Director*

For students in grades 7-10 who are interested in playing an instrument. The emphasis of this course is to teach students to play an instrument, read music, and to develop a general appreciation for music. This class is preparatory for membership in the Advanced Band class.

### **640 Advanced Band (Grades 9-12)**

### **641 Advanced Band Jr. High (Grade 8)**

*For Students in Grade(s): 8-12*

*Credit: 1.0 credit.*

*Prerequisite(s): By Audition*

*Approval Needed: Band Director*

For students in grades 8-12 who are proficient in playing a traditional band instrument or other instrument suited for combos such as keyboard or bass. The emphasis of this course is to help students achieve a high level of musicianship. Particular goals include developing great sound and facility, learning music theory, and learning to improvise. A wide variety of musical styles will be emphasized. Students are expected to perform publicly.

## PHYSICAL EDUCATION DEPARTMENT

### 607 Physical Education JH

*For Students in Grade(s):* 7 – 8

*Credit:* **None (Jr. High courses are given no H.S. credit.)**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

On the seventh and eighth grade levels, physical education combines the development of physical skills with individual and dual activities such as tennis, badminton, table tennis, Frisbee, golf, handball, and swimming. The fitness components of flexibility, muscular strength and endurance, and cardiovascular efficiency are incorporated into the program.

### 609 Physical Education (1<sup>st</sup> semester)

### 611 Physical Education (2<sup>nd</sup> semester)

*For Students in Grade(s):* 9 – 12

*Credit:* **0.5 credit each semester**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This elective course provides the student with opportunities to acquire knowledge of strategies of team sports play, to develop skills in selected team sports, and to improve personal fitness. The course may be elected for one or two semesters. First semester sports include flag football, speedball, and basketball; second semester sports are volleyball, soccer and softball. Swimming, water polo and weight training are incorporated into both semesters.

### 612 Health and Personal Fitness

*For Students in Grade(s):* 9 – 12

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

The purpose of this **required** course is to provide the student with opportunities to develop an optimal level of individual health, wellness and physical fitness. The course includes the anatomy, function, and biomechanical principles related to good health and physical fitness. The components of fitness are studied. Topics include personal hygiene and appearance, mental and social health, nutrition, substance abuse, disease prevention and control, safety and first aid, community and environmental health, and the role of the individual as a health consumer.

### 615 Varsity Athletics (1<sup>st</sup> semester)

### 616 Varsity Athletics (2<sup>nd</sup> semester)

*For Students in Grade(s):* 10 – 12

*Credit:* **0.5 credit each semester**

*Prerequisite(s):* **None**

*Approval Needed:* **Head Coach of Football, Basketball, or Baseball**

This course, designed for varsity athletes in grades 10 – 12, consists of participation in seasonal workouts for each of the varsity sports for which there is an available coach. These workouts consist of in-season (drills for sport participating in) and off-season (agility, weight training, conditioning) sessions. Students are to choose this course by semesters based on the season of their sports. Participation in the varsity athletics course is not required to be a varsity athlete.

## RELIGION DEPARTMENT

### 707 Religion 7

*For Students in Grade(s):* 7

*Credit:* **None (Jr. High courses are given no H.S. credit.)**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This seventh grade course provides the student with a better understanding of the life and times of Jesus based on his parables, his miracles, and his teachings. When examining these stories and events, emphasis is placed on Jesus' messages of peace, justice, and freedom as well as His mission as Savior. Students also explore the meaning of sacrament and the place the Sacraments have in nourishing one's spiritual life.

### 708 Religion 8

*For Students in Grade(s):* 8

*Credit:* **None (Jr. High courses are given no H.S. credit.)**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

Taken by all eighth graders, the course provides a basic study of the Catholic Church in its role of evangelization and ministry. Emphasis is placed on studying the application of the Ten Commandments and the Beatitudes in order to discover and explore the ways symbols and rituals are utilized in Catholic belief.

### 710 Religion I

*For Students in Grade(s):* 9

*Credit:* **1.0 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This required freshman course is a study of the scriptures and the scripture writers. Major themes of the Old and New Testaments are explored with an overview on the Pentateuch, the Historical Books, the Prophets, Wisdom Literature, the Gospels, and the Pauline Letters. The religious message of these scriptural themes is related to current day experiences.

### 720 Religion II

*For Students in Grade(s):* 10

*Credit:* **1.0 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

Required of all sophomores, this course addresses two main themes: Catholic sacramental life and Catholic moral teaching. Through a discussion of the worship and ritual life of the Catholic Church, the students gain an insight into Catholic practice, teaching, and tradition according to the Roman Catholic Church. The study of the moral teachings of the Church challenges students to understand and actively live out the values of the faith expressed in these rituals. Areas addressed include moral decision making, issues regarding sex and sexual development, right to life issues, economic justice, social justice, racism, and war and peace issues.

## **730 Religion III**

*For Students in Grade(s):* **11**

*Credit:* **1.0 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

Required of all juniors, this course presents the major events and themes encompassed within the history of the Church from Pentecost through the Modern Era. The purpose of this course is to provide the student with a historical grounding and sense of spiritual identity as well as an understanding of the rich heritage of the Catholic tradition as it manifests itself in different times and situations. The themes and insights of Vatican II are presented and discussed with students in the hope of giving them greater insight and knowledge into the world of contemporary Catholic thought and practice. This course also helps each student to discover his place in salvation history.

## **740 Religion IV**

*For Students in Grade(s):* **12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

Required of all seniors, this course attempts to help each student synthesize his experience with the knowledge he has gained through the religious education program during the preceding years. The two main themes addressed in senior religion are Christian lifestyles (Christian single life, married life, religious life, and priesthood) and social justice. Emphasis is on assisting each student to discern his call by God to a Christian lifestyle and the practical implications of living justly. A student examines "justice" in both the Old and New Testaments, especially as found in the Beatitudes, and he examines the history of the Church's social teachings by examining encyclicals, the Sacraments, the Compendium of the Social Doctrine of the Catholic Church, and the call to service.

## **711 Student Service Program (Freshmen)**

## **721 Student Service Program (Sophomores)**

## **731 Student Service Program (Juniors)**

## **741 Student Service Program (Seniors)**

*For Students in Grade(s):* **9 - 12**

*Credit:* **None (Required for promotion and/or graduation)**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

Students in grades 9 - 12 are required to participate in a service program designed to impress upon them that "faith without good works is lifeless." In order to help students "put their faith into action," SSC requires all high school students to perform a certain number of hours of Christian service each year, to participate in the Day of Service experience each Spring, to reflect on their service projects in prayer, and to submit a reflective paper. The specific details of the Service Program are distributed in each religion class at the beginning of each semester.

## SCIENCE DEPARTMENT

### 807 Science 7

*For Students in Grade(s):* 7                      *Credit:* **None (Jr. High courses are given no H.S. credit.)**  
*Prerequisite(s):* **None**  
*Approval Needed:* **None**

Taken by all seventh graders, this course is an integrated science approach focusing on the life sciences. Many of the topics from earth science, environmental science, and biology studied during previous years are covered at a deeper level. The course focuses on topics such as: processes that shape earth's surface, rocks and minerals, watersheds, ecology, cells and heredity, and systems of the human body. Experiments are conducted throughout the course of the year to enhance scientific skills and literacy.

### 808 Science 8

*For Students in Grade(s):* 8                      *Credit:* **None (Jr. High courses are given no H.S. credit.)**  
*Prerequisite(s):* **None**  
*Approval Needed:* **None**

This course, which is an interdisciplinary study of chemistry and physics topics, is required of all eighth graders. The goal of Science 8 is to provide students with a solid scientific background needed for the specialized study of the various topics on the high school level. Basic scientific concepts covered in the seventh grade are developed further with emphasis on demonstrations and experiments on topics related to chemistry and physics.

### 820 Biology

*For Students in Grade(s):* **9 and 10**    *Credit:* **1.0 credit**  
*Prerequisite(s):* **Successful completion of 8<sup>th</sup> grade Integrated Science**  
*Approval Needed:* **None**

Biology should be completed by the end of 9th or 10th grade. This course gives students a general overview of biology by examining the characteristics common to all living things and the processes needed to maintain life. It includes the structure and function of cells, photosynthesis, cellular respiration, genetics, classification, and ecology. Evolutionary and ecological relationships are stressed. Basic lab techniques and procedure, specifically those related to animal dissections, are used throughout the course to enhance scientific skills and literacy.

### 821 Biology (Honors)

*For Students in Grade(s):* **9**                      *Credit:* **1.0 credit**  
*Prerequisite(s):* **Overall GPA of 3.0 or better and a minimum "B" in current Math and Science**  
*Approval Needed:* **Present Science Teacher**

This honors course gives students a general coverage of biology by examining the characteristics common to all living things and the processes needed to maintain life. Beginning with the world of the very small, the course builds in complexity as topics move from cellular structure and function, biochemistry, genetics, evolution, ecology, taxonomic classification finally ending the year with human systems. Basic lab techniques and procedures are used throughout the course to enhance scientific skills and literacy. (N.B. The breadth, depth and pace of this honors course will significantly vary from the regular Biology course.)

## 825 Marine Science

*For Students in Grade(s):* **11 and 12**    *Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of Biology and Chemistry**

*Approval Needed:* **None**

This course is designed to prepare students with real world experiences in the discipline of marine science. Topics will focus on the physical properties of water, ocean currents, tides, marine ecosystems and life zones, marine flora and fauna, marine ecology and conservation and marine technology. Emphasis will be placed on field work and laboratory experiments that will focus on sampling methods, water quality testing and the use of modern technologies to monitor marine life and sedimentation here in the Bay of St. Louis and the Gulf of Mexico. When appropriate, the beach and the pier are used as outdoor classrooms. Students will use seines and cast nets to collect organisms from the Bay. These organisms will be studied in the lab in the students' aquarium that they must maintain throughout the course. Students will also learn how to properly record and interpret scientific observations and data collected from the field and the lab. Upon completion of this course, students will have a better understanding and appreciation for the local environment and how anthropogenic activities can affect our ecosystems. Completion of this course in conjunction with exposure to field investigations and laboratory experiments will prepare young scientists for future study in the fields of Marine and Environmental Science.

## 826 Geology

*For Students in Grade(s):* **10, 11 and 12**    *Credit:* **0.5 credit**

*Prerequisite(s):* **Successful completion of Biology**

*Approval Needed:* **Present science teacher**

In this science elective for juniors and seniors, students study the structures and materials that form Earth as well as the processes which occur in the atmosphere, hydrosphere, and lithosphere. Topics such as mineralogy, stratigraphy, petrology, sedimentation, paleontology, and topography, are introduced through lecture, video, slides, hand samples, models, and field experience.

## 830 Chemistry

*For Students in Grade(s):* **10, 11 and 12**    *Credit:* **1.0 credit**

*Prerequisite(s):* **A "C" average in Algebra I and/or Geometry; successful completion of Biology**

*Approval Needed:* **Present Mathematics Teacher**

Available to juniors and seniors, who have completed Biology, Chemistry is required for graduation from SSC. Chemistry is a course designed to provide students with a beginning level of understanding in the world of chemistry. Chemistry allows students a thorough exploration of the chemical world with a variety of creative approaches to guide them through an often-complex subject. Topics include atomic structure and periodicity of elements, chemical changes, states of matter, chemical bonding, acids and bases and energy transfers. Other possible topics of interest include organic chemistry, biochemistry and nuclear chemistry. Laboratory demonstrations and investigations are used to introduce and reinforce classroom activities.

## 831 Chemistry (Honors)

*For Students in Grade(s):* **10**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A "B" average in Algebra II or Geometry; completion of or concurrent enrollment in Algebra II; successful completion of Biology**

*Approval Needed:* **Present Mathematics Teacher and present Science Teacher**

This course is an in-depth investigation of matter and its changes. From the basics of atomic structure to a deeper understanding of the matter-energy relationships associated with a wide range of physical and chemical changes, student use many tools to gain an understanding of the chemical world. It is an inquiry based course, in which laboratory work, observational skills and critical thinking are developed and honed by building an excellent foundation for further science exploration. Units studied during this course include: the scientific method, matter, material properties, and problem solving; atom, molecule, ion, chemical nomenclature and chemical equations; quantum theory; periodicity and periodic law; chemical bonding; chemical reactions; reaction stoichiometry; gas laws; intermolecular forces, solids, liquids and solutions; nuclear chemistry. Much emphasis is placed on the use of mathematics and the inductive reasoning process in dealing with these concepts.

## 840 Physics

*For Students in Grade(s):* **11 and 12**

*Credit:* **1.0 credit**

*Prerequisite(s):* **Successful completion of Algebra II and completion of or concurrent enrollment in Statistics or above**

*Approval Needed:* **Present Mathematics Teacher and present Science Teacher**

Offered to juniors and seniors who have completed Chemistry, Physics is a laboratory-based course that investigates matter and energy. Topics emphasized include Newtonian mechanics, vectors, electricity, magnetism, light, wave energy, and nuclear physics. Laboratory work allows students to observe physical situations as they relate to physical laws and concepts. This course is excellent preparation for any student anticipating majoring in a math or science related field in college.

## 837 Zoology

*For Students in Grade(s):* **11 and 12**

*Credit:* **0.5 credit**

*Prerequisite(s):* **Biology**

*Approval Needed:* **Present Science Teacher and Academic Dean or Principal**

Zoology is a laboratory-based course that surveys the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, anatomy, and physiology should be investigated. Comparative studies may be addressed during laboratory observations and dissections. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

## **850 Environmental Science**

*For Students in Grade(s):* **10, 11 and 12** *Credit:* **0.5 credit**

*Prerequisite(s):* **Successful completion of Biology**

*Approval Needed:* **Present Science Teacher**

A junior and senior science elective, this course is a study of ecological and environmental topics such as pollution, recycling, wildlife, and habitat protection. Lab skills including water sampling, pollution tests, pH tests, and habitat studies are included. When possible the topics revolve around local areas and concerns.

## **855 Astronomy**

*For Students in Grade(s):* **10, 11 and 12** *Credit:* **0.5 credit**

*Prerequisite(s):* **Successful completion of Biology**

*Approval Needed:* **Present Science Teacher**

Astronomy is a one-semester course open to juniors and seniors who have completed Physical Science and Biology or their equivalents. The course examines the facts and essence of astronomy through study of the solar system, stars, galaxies, and the characteristics of each. Space history, celestial navigation, and travel are explored. The course is designed for students with non-technical backgrounds in science with an emphasis on the fundamental concepts of astronomy rather than the mathematical elements.

## **855 Science, Technology, Engineering, and Mathematics (STEM)**

*For Students in Grade(s):* **11 and 12** *Credit:* **1 credit or 0.5 credit**

*Prerequisite(s):* **Successful completion of Chemistry**

*Approval Needed:* **Present Science Teacher**

The main objective of Science, Technology, Engineering, and Mathematics (STEM) is to offer students an array of advantages, from career readiness and hands-on experience to college-preparatory level classes, labs, and creative exercises. Objectives of the course will be met through rigorous, focused, and engaging study, developing students' innovative, collaborative, cooperative, and problem-solving skills. This two semester course, each of which can be taken as a standalone course, will focus on chemistry, materials science, physics and engineering related topics and projects. Students should have successfully completed at least chemistry or honors chemistry. Instructor approval is required.

## SOCIAL STUDIES DEPARTMENT

### 907 Social Studies 7

*For Students in Grade(s):* 7

*Credit:* **None (Jr. High courses are given no H.S. credit.)**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

All seventh graders take this course, which focuses on the cultural and historical developments primarily in the Eastern Hemisphere until 1750. The differing physical landscapes of such areas as Asia, Africa, Europe, Australia, and the Islands of the Pacific are studied. Students develop skills in using such social studies tools as maps, graphs, charts, and primary documents.

### 908 U.S. History 8 (U.S. History to 1877)

*For Students in Grade(s):* 8

*Credit:* **None (Jr. High courses are given no H.S. credit.)**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This course is required of all eighth graders and gives an understanding of the critical events of U.S. history during the period from the framing of the Constitution to the end of Reconstruction in 1877. The basic concepts covered are: the cause and effect of the American Revolution, the chronology of early American events, the role of women and minorities in our history, the westward movement of people in North America, and the sectional differences and economic issues before and after the Civil War. Emphasis is also placed on the changing U.S. geography during this time.

### 910 World History

*For Students in Grade(s):* 10

*Credit:* **1.0 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This is a required course for all sophomores. It presents a brief review of major events from pre-history to A.D. 1750, followed by a more detailed study of the major points in the shaping of modern world history and geography from 1750 to the present. Emphasis is placed on cause and effect relationships, cultural developments, continuity and change in modern nations, shifting geographical development, and global economic interdependence.

### 930 U.S. History, 1877 to Present

*For Students in Grade(s):* 11

*Credit:* **1.0 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

Required of all juniors, this course covers the period from the Civil War to the present with emphasis on American expansion in the Northwest Territory, the Mexican Cession, the political scene, a study of political parties and the issues that formed or destroyed them, and the involvement of the U.S. abroad in economics, trade, and conflicts. The course examines U.S. presidents from 1877 to the present. It utilizes films, guest speakers, research papers and current periodicals, such as Newsweek, to supplement course materials.

## 935 U.S. History (AP)

*For Students in Grade(s):* **11**

*Credit:* **1.0 credit**

*Prerequisite(s):* **A minimum of a cumulative "B" average in previously completed Social Studies courses**

*Approval Needed:* **Present History Teacher and Academic Dean or Principal**

The AP program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The course covers the historical events from the discovery of the New World to modern day events of the close of the twentieth century. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students learn to assess historical materials, discern their relevance to given interpretive problems, and their importance in formulating the policies and positions currently found in the United States.

## 940 U.S. Government

*For Students in Grade(s):* **12**

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

The course is paired with Economics as one of the required senior social studies courses. The course provides an understanding of the inalienable rights and civil liberties of an American, outlines the duties and responsibilities of the citizen in the U.S. political process, studies the United States Constitution, the three branches of government, and relates the study of U.S. government to current issues.

## 946 Mississippi Studies

*For Students in Grade(s):* **9**

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This course is paired with Introduction to World Geography as one of the required 9<sup>th</sup> grade social studies courses. It assists students in understanding and developing an appreciation for the geography, history, government, literature, art, and music of Mississippi.

## 955 Law-Related Education

*For Students in Grade(s):* **9 - 12**

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This elective gives students the opportunity to develop a greater awareness of the basics of our legal system as it relates to youth and adults. Students are taught the differences between civil and criminal law. Emphasis is placed on identifying the sources of law and understanding the importance of law by identifying what laws can and cannot do. Students also study such realities of our criminal law system as plea-bargaining and restitution.

## 960 Introduction to World Geography

*For Students in Grade(s):* **9**

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This course is paired with Mississippi Studies as one of the required 9<sup>th</sup> grade social studies courses. The course develops the basic geographic concepts and recognizes characteristics of various regions of the world. Students master the content and skills by studying the five fundamental themes of geography: (1) Location, (2) Place, (3) Human-environment Interaction, (4) Movement, and (5) Regions. It also develops the economic influence on geography and the geographic influence on culture and political systems.

## **985 Economics**

*For Students in Grade(s):* **12**

*Credit:* **0.5 credit**

*Prerequisite(s):* **None**

*Approval Needed:* **None**

This course is paired with U.S. Government as one of the required senior social studies courses. Students are taught basic economic concepts such as supply and demand, market economy, forms of business organization, gross national product, and the stock market. Students study the economic issues related to government, including the organization of the Federal Reserve System.