



2009-2010

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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, Mr. Patrick McGrath, or Mr. Paul Verlander.

DATES OF THE COURSE REQUEST PROCESS

Current SSC students in grades six to eleven will become involved in the Course Request Process beginning Thursday, February 19. It will conclude on Wednesday, March 4 when students return their *Curriculum Planning Sheets* (grades eight to eleven) and their *Course Request Sheets* (grades six to eleven) to their first period teachers.

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

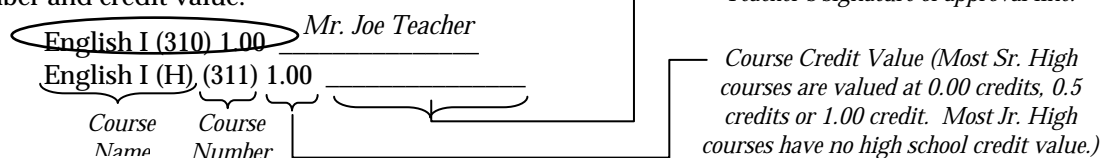
THE COURSE REQUEST PROCESS

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 strongly encouraged 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. The Curriculum Planning Sheets will be filed at school and returned to students each year when the course selection process begins for the following year. (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.)
4. 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) in PDF format or personal copies can be purchased for \$0.25 at the Campus Store. 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.
5. Students should consult with parents and teachers before making final course requests. Your parent(s) will ultimately be asked 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 Mr. Patrick McGrath outside of class time on any school day or on Monday, March 2, from 3:30– 5:00 PM. He will later mail a copy of each resident student's course requests to parents for a signature of approval.

INDICATING YOUR CHOICES ON COURSE REQUEST SHEETS

1. **REQUIRED COURSES:** On your *Course Request Sheet*, draw a large circle around each required course's *name, number, and credit value* indicating your course choice. (*see below*) (There is no need to circle the required courses in Row 1 of your CRS.) 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' name, number and credit value.




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 large circle around each elective course's *name, number, and credit value* 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.***

ENTERING YOUR COURSE REQUESTS INTO POWERSCHOOL VIA THE INTERNET

Once you have discussed your course requests with your parents and guidance counselor, and once you have received teachers' approvals for your requests, you are ready to enter your requests into PowerSchool via the Internet on *either* a Mac or PC computer. You will need to have access to the world-wide-web using Internet Explorer as your web browser. If you do not have access to such technology at home, the SSC computers are available for your use outside of class time any school day. A bank of computers in the PC Lab will be reserved outside of class time on Monday, March 2, Tuesday, March 3, and Wednesday, March 4 for entering course requests.

To enter your course requests:

1. Using Internet Explorer as your web browser (this will not work with Netscape), type and go to the following address or click on the PowerSchool link on the SSC homepage: http://ps.ststan.com
2. At the PowerSchool Welcome Page login by typing your unique Username as it was assigned to you. Type the Username code exactly as it was assigned to you, i.e. in uppercase and lowercase letters, punctuation marks, and spaces. (As you type, your Username should appear in the entry box.) (your unique Username)
3. At the PowerSchool Welcome Page, now enter your unique Password, which was assigned to you. Type the Password exactly as it was assigned to you, that is, in uppercase and lowercase letters, punctuation marks, and spaces. (As you type, your Password will appear as dots to protect your identity.) (your unique Password)
4. After logging in, you will come to a PowerSchool screen called Grades and Attendance. It should be displaying your current class schedule. Across the top of the screen you will see a series of icons in squares. Click your cursor on the *scroll and pencil*, which will bring you to your course request screen. 

When you are successful, the screen should read:

Requests for _____ Grade

5. Now carefully follow your Course Request Sheet and the directions on the screen.
6. Once you have selected your courses, ***please double check*** your pop-up menu selections. Once everything is correct, click the **Submit** button on the bottom of the screen. You can view your course requests by clicking the *View Future Course Requests* at the top of the screen. After you are sure your work is correct, **Logout** of the program by clicking the button in the upper right hand corner of the screen.

Congratulations! You have now successfully entered your Course Requests for 2009-2010.

Mistakes or Errors

If you accidentally submit incorrect information, simply repeat the process beginning with Step B above and select the correct courses before Wednesday, March 4, at 8:30 AM.

Remember: Your *four-year Curriculum Planning Sheet* (grades 8-11) and your *Course Request Sheet* (grades 6-11) will be collected in First Period on the morning of Wednesday, March 4, 2009.

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 2009-2010 school year is complete.

Graduation Requirements for the Classes of 2010, 2011
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	<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	3.0	4.0	4.0
Social Studies	3.0	3.0	3.0
The Arts	1.0	1.0	1.0
Computer Appl./Keyboarding (a.k.a Computer Discovery)	1.0	1.0	1.0
Health	0.5	0.5	0.5
Foreign Language	0.0	2.0	2.0
Electives	4.5	3.5	4.5
	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. While Survey of H.S. Math can fulfill the SSC senior math requirement, it does not meet the State's requirement.*

Graduation Requirements for the Classes of 2012 and beyond

	<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 Computer Discovery)	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	4.5	3.5	4.5
	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. While Survey of H.S. Math can fulfill the SSC senior math requirement, it does not meet the State's requirement.*

Saint Stanislaus College

Course of Studies

2009-2010

6th Grade Courses

Religion
English
Mathematics
Western Civilization to A.D. 1750
Integrated Science
Reading/Study Skills
Physical Education 6

7th Grade Courses

Required Courses: Religion 7
Integrated Science 7
Social Studies 7
(East. Civ. to A.D. 1750)

English Requirement: English 7

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

Reading Requirement: Reading 7*
(Choose 1) Reading Enrichment*

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

8th Grade Courses

Required Courses: Religion 8
Integrated Science 8
U.S. History 8
(U.S. History to A.D. 1877)

English Requirement: English 8*
(Choose 1) English 8 (Honors) *

Math Requirement: Pre-Algebra 8*
(Choose 1) *(1 H.S. credit)*
Algebra I (8th) *
(1 H.S. credit)

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

Elective Options "B": Physical Education JH
Percussion *(Jr. High)*
Concert Band *(Jr. High)*
Symphonic Band *(Jr. High)*

- *Note:**
1. Placement in Reading, English, and Math courses will be made by the school based on standardized test scores 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 Algebra I and/or Computer Discovery will receive High School credit for this (these) course(s).

9th Grade Courses

Required Courses: Religion I (1)
Service Program 9 (0)
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: Physical Science (1)
(Choose 1 - One Credit) Biology (1)
Biology (Honors) (1)

“The Arts” Requirement: Art I (1)
(Choose 1 - One Credit Class) Percussion (*Sr. High*) (1)
Symphonic Band (*Sr. H.*) (1)
Chorus (1)

Elective Course Options* (Choose One Credit)

Semester Electives:	Full Year Electives:
Keyboarding (0.5)	Academic Assistance JH* (0)
Entrepreneurship (0.5)	Eng. as a Second Lang. (1)
Computer Appl. (0.5)	French I, II (1 each)
Desktop Publishing (0.5)	Spanish I, II (1 each)
Graphic Design (0.5)	Latin I (1)
Intro. to Theater I, II (0.5)	Chorus (1)
(0.5 each semester)	Concert Band (1)
Varsity Athletics (0.5)	Percussion (1)
(0.5 each semester)	Symphonic Band (1)
Law Related Ed. (0.5)	
(0.5 each semester)	
Physical Education (0.5)	
(0.5 each semester)	
Strength Training (0.5)	
(0.5 each semester)	
Health (0.5)	

10th Grade Courses

Required Courses: Religion II (1)
Service Program 10 (0)
World History (1)

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

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

Science Requirement: Physical Science (1)
(Choose 1 - One Credit) Biology (1)
Biology (Honors) (1)
Chemistry (1)
Chemistry (Honors) (1)
Anat. & Physiology (H) (1)

Elective Course Options* (Choose Two Credits)

Semester Electives:	Full Year Electives:
Keyboarding (0.5)	Academic Assistance HS* (0)
Entrepreneurship (0.5)	Art I, II (1 each)
Computer Appl. (0.5)	Accounting I (1)
Desktop Publishing (0.5)	Computer Science AP (1)
Health (0.5)	Eng. as a Second Lang. (1)
Graphic Design (0.5)	French I, II, III (1 each)
Intro. to Theater I, II (0.5)	Spanish I, II, III (1 each)
(0.5 each semester)	Latin I, II (1 each)
Percussion (<i>Sr. High</i>) (1)	Symph. Band (<i>Sr. H.</i>) (1)
Physical Education (0.5)	Chorus (1)
Varsity Athletics (0.5)	
(0.5 each semester)	
Strength Training (0.5)	
(0.5 each semester)	
Law Related Ed. (0.5)	
Intro. to World Geog. (0.5)	

***NOTES:**

- 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.
- Biology must be successfully completed by the end of the 10th grade.
- A half-credit in Computer Applications and a half credit in Keyboarding must be earned before graduation. Computer Discovery fulfills both of these requirements.
- Students in grades 9 -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.
- It is strongly recommended that students enroll in a Fine Arts elective (Art I, Band, Instrumental Ensemble, or Chorus) during their freshman year. One credit in Fine Arts is required for graduation.
- 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.

11th Grade Courses

Required Courses: Religion III (1)
Service Program 11 (0)

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

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

Science Requirement: (Choose a total of One Credit)

Semester Electives:	Full Year Electives:
Marine Science (0.5)	Anat. & Physiology (H) (1)
Geology (0.5)	Biology (AP) (1)
Genetics (0.5)	Chemistry (1)
Environ. Science (0.5)	Chemistry (H) (1)
Astronomy (0.5)	Physics (1)
	Physics (AP) (1)

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

Elective Course Options* (Choose Two Credits)

Semester Electives:	Full Year Electives:
Keyboarding (0.5)	Academic Assistance HS* (0)
Entrepreneurship (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)	Computer Science (AP) (1)
Intro. to Theater I, II (0.5)	Psychology (AP) (1)
Creative Writing (0.5)	French I, II, III, IV (1 each)
Physical Education (0.5)	Latin I, II (1 each)
(0.5 each semester)	Spanish I, II, III, IV (1 each)
Health (0.5)	Speech (1)
Strength Training (0.5)	Percussion (<i>Sr. High</i>) (1)
(0.5 each semester)	Symphonic Band (<i>Sr. H.</i>) (1)
Varsity Athletics (0.5)	Chorus (1)
(0.5 each semester)	Anat. & Physiology (H) (1)
Marine Science (0.5)	Chemistry (1)
Geology (0.5)	Physics (1)
Genetics (0.5)	Physics (AP) (1)
Environmental Science (0.5)	
Law Related Ed. (0.5)	
Intro. to World Geog. (0.5)	

12th Grade Courses

Required Courses: Religion IV (1)
Service Program 12 (0)
U.S. Government (0.5)
Mississippi Studies (0.5)

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

Math Requirement: (Choose 1 - One Credit Course)
Geometry (1) Probability & Adv. Alg. (1)
Algebra II (1) Calculus (AP) (1)
Trig./Pre-Calculus (1) Survey of H.S. Math (1)
Trig./Pre-Calculus (H) (1)

Elective Course Options* (Choose Four Credits)

Semester Electives:	Full Year Electives:
Keyboarding (0.5)	Academic Assistance 12* (1)
Entrepreneurship (0.5)	Art I, II, III (1 each)
Computer Appl. (0.5)	Accounting I (1)
Global Marketing (0.5)	Computer Science (AP) (1)
Desktop Publishing I (0.5)	Eng. as a Second Lang. (1)
Graphic Design (0.5)	Speech (1)
Comp. Aided Drafting (0.5)	French II, III, IV (1 each)
Intro. to Theater I, II (0.5)	Spanish II, III, IV (1 each)
(0.5 each semester)	Latin II (1)
Law Related Ed. (0.5)	European History (AP) (1)
Intro. to World Geog. (0.5)	Percussion (<i>Sr. High</i>) (1)
Physical Education (0.5)	Symphonic Band (<i>Sr. H.</i>) (1)
(0.5 each semester)	Chorus (1)
Health (0.5)	Anat. & Physiology (H) (1)
Strength Training (0.5)	Chemistry (1)
(0.5 each semester)	Physics (1)
Varsity Athletics (0.5)	Psychology (AP) (1)
(0.5 each semester)	
Marine Science (0.5)	
Geology (0.5)	
Genetics (0.5)	
Astronomy (0.5)	
Environmental Science (0.5)	

* See Scheduling and Course notes on the next page.

***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. Biology must be successfully completed by the end of the 10th grade.
3. Chemistry (H) will be offered in odd years (*e.g.* 2009-10); Physics (AP) will be offered in even years (*e.g.* 2008-09) or as needed.
4. A half-credit in Computer Applications and a half credit in Keyboarding must be earned 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.
5. Students in grades 9 -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.
6. Students who have not earned a credit in World History must elect World History (preferably before the junior year).
7. One credit in Fine Arts and a half-credit in Health must be earned before graduation.
8. 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:** To be eligible for admission to the Honors Program, a freshman student must have
 - a. at least a 3.5 grade point average for both semesters of his freshman year,
 - b. no grade below a "D" on his quarterly report card, and
 - c. no semester grade below a "C."

2. **PARTICIPATION:** A freshman who meets the eligibility requirements listed above may indicate his desire to enroll in the Honors Program, which begins in the sophomore year, by appropriately marking his Course Request Sheet.

To earn an SSC Honors Diploma, a student must

- a. earn 28 credits for graduation;
- b. *(for the class of 2009, 2010)* take a minimum of eight (8) honors courses, with a minimum of two (2) honors courses per year, during his sophomore, junior and senior years; *(for the classes of 2011 and beyond)* take a minimum of eight honors courses, with a minimum of two honors courses per year during his sophomore, *junior*, and senior year completing the specified curriculum for these years as is stated above. (N.B. Any third or fourth year of a language, other than English, may replace an Honors Course. However, no additional quality points will be given for this language course.);
- c. *for the class of 2010 and beyond:* maintain a minimum weighted semester GPA of 3.5 for at least five of the six semesters of his sophomore, junior, and senior years along with a cumulative weighted GPA of 3.5 for the full duration of participation in the Honors Program.
- d. earn no grade below a "D" on his quarterly report card and no semester grade below a "C" during his sophomore, junior and senior years.

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.

In addition, an Honors Program student who becomes involved in any incident of academic dishonesty including, but not necessarily limited to, cheating or plagiarism on a test, quiz or major paper or project, may be disqualified by the administration from the Honors Program and, thereby, from receiving an Honors Diploma.

(N.B. A high school student who transfers into St. Stanislaus will have his transcript evaluated by the administration 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 will be the subject to the review of the school administration.

ACADEMIC ASSISTANCE DEPARTMENT

091 Academic Assistance (7th , 8th and 9th Graders) (No credit)

093 Academic Assistance (10th and 11th Graders) (No credit)

095 Academic Assistance (12th Graders) (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 program is under the direction of a specially trained teacher and centers around regularly scheduled resource classes. 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. The sixth grade, in particular, is structured to give assistance to students who find learning a challenge. 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 Academic Assistance 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 Art 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 "The 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 Art II

For Students in Grade(s): **10 – 12**

Credit: **1.0 credit**

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

Approval Needed: **Present Art Teacher, Academic Assistant Principal, or Principal**

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. This course includes painting in various media and techniques along with three-dimensional applications in sculpture. The sculpture component includes work with clay and wood.

130 Art III

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

Credit: **1.0 credit**

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

Approval Needed: **Present Art Teacher, Academic Assistant Principal, or Principal**

This program of study focuses on the creation and study of more advanced works of art and beginning of the development of a 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. Work will encompass both two and three dimensional media, techniques, and processes.

BUSINESS DEPARTMENT

210 Keyboarding

For Students in Grade(s): **9 – 12**

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **None**

Keyboarding is required of any high school student who has not completed Computer Discovery in the 8th 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 Assistant Principal.)

215 Business Law

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

Credit: **0.5 credit**

Prerequisite(s): **2.0 Cumulative weighted Grade Point Average**

Approval Needed: **None**

An elective offered to juniors and seniors, this course provides the student with the basic foundation of law as it relates to business. The course topics include: origin of the law, ethics, structure of the court systems, legislation that applies to employment, real and personal property, and knowledge of the law as it applies to various legal situations that are encountered in personal and business affairs.

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 8th 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 Assistant Principal.)

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 Computer Discovery

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.

270 Computer Science (AP)

For Students in Grade(s): **10 – 12**

Credit: **1.0 credit**

Prerequisite(s): **“B” in Algebra II**

Approval Needed: **Computer Science (AP) Teacher and Academic Assistant Principal or Principal**

Computer Science (AP) is an introductory course in the Java programming language designed for the advanced student. Topics include: basic elements of computer systems; applications of computing; program specification; design; coding; and documentation. In addition, this course covers static data structures, simple sorting and searching algorithms, pointers and linked lists, stacks and queues. The course follows an Advanced Placement syllabus.

ENGLISH DEPARTMENT

306 English 6

For Students in Grade(s): **6**

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

Prerequisite(s): **None**

Approval Needed: **None**

Required of all sixth graders, this course includes a study of grammar and vocabulary. Objectives also emphasize reading skills, study and test taking strategies, library skills, and organizational skills. Further time is spent on the communication skills of speaking and listening. Literature and basic paragraph writing are introduced at this level.

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.

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.

318 English 8 (Honors)

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 Honors emphasizes grammar, spelling and vocabulary, literature, and composition at accelerated levels. Students refine their verbal and written skills through in-depth studies of writing, poetry, and literature. Four novels selected by the teacher are studied at this level.

397 Skills English

For Students in Grade(s): **7 or 8** *Credit:* **None (Jr. High courses are given no H.S. credit.)**
Prerequisite(s): **Successful completion of English 6**
Approval Needed: **Present English Teacher, Academic Assistant Principal or Principal**

Skills English is open to seventh and eighth grade students in Academic Assistance and covers many of the same topics as the regular English course with greater emphasis on the fundamentals of grammar, writing sentences and paragraphs, and basic communication. Literature selections are assigned to meet the students' interests and ability levels. **Placement in this course is determined by the administration after consultation with teachers and a review of the student's previous English grades and standardized test scores.** *This course is not offered at this time.*

310 English I

For Students in Grade(s): **9** *Credit:* **1.0 credit**
Prerequisite(s): **Successful completion of English 8**
Approval Needed: **Present English teacher**

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 and the Academic Assistant Principal or Principal**

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), debate, 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: **Present English teacher**

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 3.5 GPA in previous English classes; successful completion of English I**

Approval Needed: **Present English teacher and the Academic Assistant Principal or Principal**

Honors English II covers the same basic course content as English II at an accelerated pace. Further emphasis, is given to research skills, literary interpretation, narrative essay, and composition. While World Literature is still a focus of the course, students also study American literature extensively. In addition to the study of a Shakespeare play, students are required to read five to six novels and one additional play during the course of the year. Enrichment activities in various literature genres are covered. The goal for students in English II (H) is admission to English III Advanced Placement.

330 English III

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

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

Approval Needed: **Present English teacher**

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.

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 Assistant Principal 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 the reading, annotating, and discussing of various essays, articles, and excerpts. 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.

340 English IV

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

Credit: **1.0 credit**

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

Approval Needed: **Present English teacher**

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.

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 Assistant Principal 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.

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

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

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

Prerequisite(s): **None**

Approval Needed: **Academic Assistant Principal or Principal**

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

For Students in Grade(s): **9 – 12**

Credit: **1.0 credit**

Prerequisite(s): **None**

Approval Needed: **Academic Assistant Principal or Principal**

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.

354 Speech

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

Credit: **1.0 credit**

Prerequisite(s): **None**

Approval Needed: **None**

Speech is an elective course open to juniors and seniors. The course presents general communication techniques designed to improve a student's oral expression, listening skills, and speaking skills in order to 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 and critique.

355 Introduction to Theater Arts I

For Students in Grade(s): **9 – 12**

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **Present English teacher**

Available as an elective to freshmen, sophomores, juniors, and seniors, this course introduces the student to drama. The course includes reading scripts and analyzing them for production, learning the basic techniques of stage movement, voice development, and the technical aspects of stage production. Students are required to participate in SSC drama productions. Grades are based upon class acting projects, written examinations, and participation in the SSC drama productions.

356 Introduction to Theater Arts II

For Students in Grade(s): **9 – 12**

Credit: **0.5 credit**

Prerequisite(s): **Successful completion (“C” or better) of Introduction to Theater Arts I**

Approval Needed: **Introduction to Theater Arts I teacher**

This course, also offered to freshmen, sophomores, juniors, and seniors, is a continuation of the principles developed in Drama I. Emphasis is placed on developing characters, directing, set design, and completion of a full-scale production. The history of drama is also examined. Students are required to participate in SSC drama productions.

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: **Present English teacher**

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, Academic Assistant Principal 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, Academic Assistant Principal 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: **Present English teacher**

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, Academic Assistant Principal or Principal**

Spanish II, a 9th, 10th, 11th, or 12th 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 English 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, Academic Assistant Principal 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.

490 Latin I

For Students in Grade(s): **9 – 11**

Credit: **1.0 credit**

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

Approval Needed: **Present English teacher, Academic Assistant Principal or Principal**

Latin I is open to freshmen, sophomores, juniors, and seniors and teaches the comprehension of the Latin language through practice in reading, writing, and speaking while aiming to improve the student’s understanding of the English language. Abbreviations, mottos, phrases, grammar and vocabulary common or similar to both English and Latin are emphasized. This course is taught at Our Lady Academy. (N.B. Students who enroll in a course at OLA must attend classes according to OLA’s calendar regardless of SSC’s calendar.)

491 Latin II

For Students in Grade(s): **9 – 12**

Credit: **1.0 credit**

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

Approval Needed: **Present Latin teacher**

A continuation of Latin I, Latin II is available to students who have earned a "C" or better in Latin I. It, too, is taught at OLA. (N.B. Students who enroll in a course at OLA must attend classes according to OLA’s calendar regardless of SSC’s calendar.)

MATHEMATICS DEPARTMENT

506 Math 6

For Students in Grade(s): **6**

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

Prerequisite(s): **None**

Approval Needed: **None**

This sixth grade course begins with a review of the basics of addition, subtraction, multiplication, and division. Operations with fractions, decimals, and percents are emphasized. Simple word problems, including money problems, are introduced. Basic ideas of geometry (figures, perimeter, area) and positive and negative numbers round out the course topics.

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: **Present Math Teacher, Academic Assistant Principal or Principal**

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.

597 Skills Math

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

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

Prerequisite(s): **Math 6 or 7**

Approval Needed: **Present Math Teacher, Academic Assistant Principal or Principal**

This course is offered to seventh and eighth grade students who are in Academic Assistance and have had previous difficulty in the study of mathematics. Like the regular math course, the basic content is a thorough study of arithmetic concepts. However, this course is taught to a small group of students with emphasis on instruction in small steps, multi-sensory teaching strategies, and hands-on techniques. **Placement in this course is determined by the administration after consultation with teachers and a review of the student's previous math grades and standardized test scores.** *This course is not offered at this time.*

577 Pre-Algebra (7th Graders)

508 Pre-Algebra (8th Graders)

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

Credit: **1.0 high school credit for 8th grade**

Prerequisite(s): **Seventh graders -- score 80%ile or above on Placement Test or on most recently taken standardized test; Eighth graders -- successful completion of Math 7.**

Approval Needed: **Present Math Teacher, Academic Assistant Principal or Principal**

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 by scoring at or above the 80%ile in math on the Placement Test. 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

518 Algebra I (Honors)

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

Credit: **1.0 high school credit**

Prerequisite(s): **Eighth graders -- score above the 80%ile on the most recently taken standardized test or earn at least a B in Pre-Algebra; Ninth graders -- successful completion of Pre-Algebra with at least a B average.**

Approval Needed: **Present Math Teacher, Academic Assistant Principal or Principal**

Offered to accelerated eighth graders, freshmen and sophomores, 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.

521 Geometry (Honors)

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

Credit: **1.0 credit**

Prerequisite(s): **A 3.5 GPA in previous Math courses; successful completion of Algebra I**

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

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. Outside projects are assigned that involve applications of geometry in construction, architecture, design, and manufacturing.

530 Algebra II

For Students in Grade(s): **10 – 12**

Credit: **1.0 credit**

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

Approval Needed: **Present Math Teacher, Academic Assistant Principal or Principal**

Traditionally the third high school math course, Algebra II is open to all students who have successfully completed Algebra I. 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.

531 Algebra II (Honors)

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

Credit: **1.0 credit**

Prerequisite(s): **A 3.5 GPA in previous math course or 3.0 GPA in previous honors math course; successful completion of Algebra I**

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

Honors Algebra II goes beyond the topics traditionally covered in Algebra II. Honors Algebra II 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, Academic Assistant Principal 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. A graphing calculator is highly recommended.

541 Trig/Pre-Calculus (Honors)

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

Credit: **1.0 credit**

Prerequisite(s): **A 3.5 in previous regular math courses or 3.0 G.P.A. in previous honors math courses; successful completion of Algebra I, Geometry, and Algebra II.**

Approval Needed: **Present Math Teacher and Academic Assistant Principal 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.

545 Discrete Math/Advanced Algebra

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

Credit: **1.0 credit**

Prerequisite(s): **A “C” in Algebra II and/or Trig/Pre-Calculus**

Approval Needed: **Present Math Teacher, Academic Assistant Principal or Principal**

Discrete Mathematics is designed to provide students who have completed Geometry and Algebra II with an overview of concepts needed for computer science, electrical engineering, or fields requiring networking. Discrete Mathematics is the study of processes that involve sequences of individual or countable steps as opposed to the study of continuously changing processes addressed in Calculus. Topics of study include number systems, logic of compound statements, mathematical induction and recursion, graph theory and set theory.

Advanced Algebra requires skills developed in earlier courses to investigate advanced topics such as conic sections, higher-order polynomials, matrices, functions, and data representations. The justifications of solutions and solution methods should be expected. The use of technology, especially graphing calculators, will be an integral part of this course.

For both semesters, the instructional approach will provide opportunities for students to work together collaboratively and cooperatively as they solve routine and non-routine problems. Communication strategies will include reading, writing, speaking, and critical listening as students present and evaluate mathematical arguments, proofs, and explanations about their reasoning.

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 Assistant Principal 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, graphs and limits; derivatives with computations and applications; and, integrals with applications. Marginal analysis, equilibrium functions, and related topics of business and economics are also covered.

565 Survey of High School Mathematics Topics

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

Credit: **1.0 credit**

Prerequisite(s): **Successful completion of Skills or regular Algebra I, Geometry, and Algebra II**

Approval Needed: **Present Math Teacher, Academic Assistant Principal or Principal**

This is a full year course offered to seniors who struggle with math and who wish to develop the skills necessary to function as mathematically literate people capable of making wise decisions in a technological society. The course uses algebra, geometry, and basic trigonometry to solve “real life” consumer decision problems: budgeting, determining interest, appreciation and depreciation, computing payroll. Statistics and probability are also studied. A scientific calculator is required.

MUSIC DEPARTMENT

620 Percussion (grades 9 through 12)

621 Percussion (Jr. High) (grades 7 and 8)

PHYSICAL EDUCATION DEPARTMENT

606 Physical Education 6

For Students in Grade(s): **6**

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

Prerequisite(s): **None**

Approval Needed: **None**

This sixth grade course places emphasis on individual physical skills, which are incorporated into a variety of team activities such as flag football, soccer, basketball, speedball, softball, Ultimate Frisbee, water polo, and tennis.

605 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 (1st semester)

611 Physical Education (2nd 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.

613 Strength Training and Cross Training (1st semester)

614 Strength Training and Cross Training (2nd 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 and skills in weight training and cross training that may be used in fitness pursuits today as well as in later life. The course activities are designed to improve muscular strength and endurance, and to enhance body image. The course also provides the

student with an understanding of the effects of aerobic activities on the cardiovascular, respiratory, and muscular-skeletal systems.

615 Varsity Athletics (1st semester)

616 Varsity Athletics (2nd semester)

For Students in Grade(s): **9 – 12**

Credit: **0.5 credit each semester**

Prerequisite(s): **None**

Approval Needed: **Head Coach of Football, Basketball, Track, Soccer, Golf, Baseball, or Tennis**

This course, designed for varsity athletes in grades 9 – 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.

617 Driver's Education

For Students in Grade(s): **10 – 12**

Credit: **0.5 credit**

Prerequisite(s): **A student must be 14 years old, pay a \$85.00 course fee, and obtain a learner's permit prior to the driving portion of the course. (An original or certified copy of a birth certificate and social security card are required to obtain a learner's permit.)**

Approval Needed: **Driver Education Teacher, Academic Assistant Principal or Principal**

Driver's Education is an elective course for students in grades 10 through 12 that offers 30 hours of classroom time and 6 hours of behind-the-wheel driving that is required by the Mississippi Department of Education all in the context of a Physical Education course at SSC. Topics included in the course are: assessing and managing risks in driving; knowledge of signs, signals, road markings, and rules of the road; understanding and practice in the safe operation of motor vehicles; introduction to vehicle systems and maintenance; and, preparation for the Mississippi State Driver's License driving and written tests. *This course is not offered at this time.*

READING DEPARTMENT

686 Reading 6

For Students in Grade(s): **6**

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

Prerequisite(s): **None**

Approval Needed: **None**

This sixth grade course uses decoding skill and sequential skill activities to improve the reading comprehension and vocabulary of students on various reading levels. The course encourages reading through the presentation of high interest topics such as monsters, classic tales, and biographies. In addition, the spelling component of the course provides students with a repertoire of knowledge, strategies, and skills, which allows them to transfer their spelling knowledge to authentic writing situations.

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.

690 Developmental Reading

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

Credit: **1.0 credit**

Prerequisite(s): **None**

Approval Needed: **Present Reading Teacher, Academic Assistant Principal or Principal**

This ninth grade elective is designed for students reading significantly below grade level. Emphasis is placed on word analysis, spelling, vocabulary development, and comprehension, especially as these skills relate to reading in the various subject areas. Improved study skills and test-taking strategies are major focuses of this course. Students also are introduced to elements of the short story. *This course is not offered at this time.*

697 Reading Enrichment

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

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

Prerequisite(s): **Scoring at or above 85%ile on reading diagnostic or achievement tests**

Approval Needed: **Present Reading Teacher, Academic Assistant Principal or Principal**

This seventh/eighth grade course is designed for students reading significantly above grade level and scoring at least 85% on a reading diagnostic or achievement test. It is taken in place of the regular reading course. Students are permitted to take this course only once while in junior high school. Emphasis is placed on the development of research skills, vocabulary, proper techniques in writing, study skills, spelling, and reading various types of literature, including classic literature, contemporary novels, and short stories.

RELIGION DEPARTMENT

706 Religion 6

For Students in Grade(s): **6**

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

Prerequisite(s): **None**

Approval Needed: **None**

This course, taken by all sixth graders, provides an overview of the major stories, people, and themes of the Old Testament and the New Testament. Emphasis is placed on God's covenant and the call to do works of peace and justice. Major celebrations, such as Christmas and Easter, are highlighted to emphasize the stories and events of the Bible and to assist students to connecting their own stories to the study of the Church.

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 of encyclicals, the Sacraments, the Catechism of the Catholic Church, and the call to service.

750 World Religions

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

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **Academic Assistant Principal or Principal**

This elective religion course is designed for those juniors and seniors who are interested in the comparative study of major world religions regarding man's existence, destiny, and the meaning and purpose of human life. The religions included are: Hinduism; Buddhism; Confucianism; Taoism; Islam; Judaism; Christianity; and the primal religions. The concepts of theosophy, emphasizing the universal brotherhood of all Christian faiths, provide the student with some knowledge of current trends in religious philosophy.

760 Christian Ethics

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

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **Academic Assistant Principal or Principal**

This course, available only to juniors and seniors, is a one-semester survey of the various theories and philosophies of ethics, with a focus on the origins and the evolution of Christian ethical thought. The course is taught in a "seminar" format and has significant student writing and class participation required. The class begins with a survey of the history of ethical thought and current theories of ethics and moves into an intensive study of Christian ethics and moral analysis. In addition to the work with the texts, the course requires each student to write a paper on an ethical topic for distribution to all members of the class. This is followed by the preparation of a short critique/response to the paper by each student for discussion in class.

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

806 Science 6

For Students in Grade(s): **6**

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

Prerequisite(s): **None**

Approval Needed: **None**

This required sixth grade course is a general science course, which integrates biological and physical sciences throughout the school year. Topics vary from one chapter or unit to the next to demonstrate how the different sciences are related to one another. Topics include animal life, plant life, human senses, chemistry of solutions, surface changes on the earth, and the earth-moon system.

807 Science 7

For Students in Grade(s): **7**
Prerequisite(s): **None**
Approval Needed: **None**

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

Taken by all seventh graders, this course is a continuation of the integrated science approach begun in the sixth grade. Many of the topics from biological, environmental, and earth sciences studied during the previous year are covered at a deeper level. The course introduces new topics such as forces inside the earth, rocks and minerals, oceans, cells, and the human body control systems.

808 Science 8

For Students in Grade(s): **8**
Prerequisite(s): **None**
Approval Needed: **None**

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

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. Concepts covered in the seventh grade are developed further with emphasis on demonstrations and experiments on topics related to chemistry and physics.

810 Physical Science

For Students in Grade(s): **9**
Prerequisite(s): **None**
Approval Needed: **Present Science Teacher, Academic Assistant Principal or Principal**

Credit: **1.0 credit**

Physical Science presents an introduction to explanations about many different phenomena in the physical universe. In essence, physical science is the study of matter and energy and offers a background to traditional chemistry and physics courses. Throughout each semester, students explore answers to questions such as, "How do we describe and predict motion?" "Why do things change?" "How does energy move?" and "What makes up matter?" Moreover, emphasis is placed on the application of students' scientific knowledge to real situations. Laboratory work is an important part of the instruction.

820 Biology

For Students in Grade(s): **9 and 10**
Prerequisite(s): **Minimum "C" in 8th grade Integrated Science**
Approval Needed: **Present Science Teacher, Academic Assistant Principal or Principal**

Credit: **1.0 credit**

Biology should be taken by the completion of the 9th or 10th grade. This course gives students a general coverage of biology basics by examining the characteristics common to all living things and the processes needed to maintain life. It includes the structure and function of cells, including types, parts, and processes, as well as basic genetics, photosynthesis, classification, and ecology. Evolutionary and ecological relationships are stressed. Basic lab techniques and procedures are used throughout the course to enhance scientific skills and literacy.

821 Biology (Honors)

For Students in Grade(s): **9 and 10**
Prerequisite(s): **Overall GPA of 3.0 or better and a minimum "B" in current Math and Science**
Approval Needed: **Present Science Teacher and Academic Assistant Principal or Principal**

Credit: **1.0 credit**

This honors course gives students a general coverage of biology basics by examining the characteristics common to all living things and the processes needed to maintain life. It includes the structure and function of cells including types, parts, and processes, as well as basic genetics, photosynthesis, classification, and ecology. Evolutionary and ecological relationships are stressed. Basic lab techniques and procedures are used throughout the course to enhance scientific skills and literacy. Additionally, this course will cover each of the systems of the human body with emphasis placed on structures and functions of each and their interaction together. (N.B. The breadth, depth and pace of this honors course will significantly vary from the regular Biology course.)

835 Biology (AP)

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

Credit: **1.0 credit**

Prerequisite(s): **Overall GPA of 3.0 or better and a “B” or better in Chemistry**

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

The AP Biology course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. Primary emphasis in an AP Biology course should be on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns. The AP Biology Development Committee has focused the curriculum on the following representative topics: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. (*Offered yearly*)

823 Human Anatomy and Physiology (Honors)

For Students in Grade(s): **11 – 12**

Credit: **1.0 credit**

Prerequisite(s): **Successful completion of Biology and Chemistry with a B or better**

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

Human Anatomy and Physiology is a laboratory-based course for sophomores, juniors and seniors, which investigates the structure and function of the human body. Topics covered include the role of tissues in the body, homeostatic mechanisms, and introductory embryology. Relationships between major body systems are emphasized along with effects of drugs, nutrition, diseases, and biotechnological advances on certain systems.

825 Marine Science

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

Credit: **0.5 credit**

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

Approval Needed: **None**

This semester course for juniors and seniors is designed to familiarize the student with Marine Science topics including water chemistry, currents, beach formation, tides, and local flora and fauna in the water. Seining and using cast nets to collect organisms as well as maintaining an aquarium throughout the course is required. Students gain skills in data collection, classification, lab report writing and topic research. When appropriate, the beach and the pier are used as outdoor classrooms.

826 Geology

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

Credit: **0.5 credit**

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

Approval Needed: **None**

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.

827 Genetics

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

Credit: **0.5 credit**

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

Approval Needed: **Present Science Teacher, Academic Assistant Principal or Principal**

This course is designed to use critical thinking and scientific problem solving in designing and performing biological research and experimentation. Students review the structure and function of the cell as it applies to genetics; analyze the structure and function of DNA and RNA molecules; apply classical genetics principles to solving basic genetic problems; describe the techniques used to determine patterns of inheritance; discuss genetic diversity in humans; apply the concept of population genetics to both microbial and multi-cellular organisms; and debate the significance of discoveries and issues raised as a result of biotechnology.

830 Chemistry

For Students in Grade(s): **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, Academic Assistant Principal or Principal**

Available to juniors and seniors, who have completed Biology, Chemistry is recommended as part of a college preparatory curriculum. Basic concepts stressed include the model of the atom, periodicity of the atom, bonding, the mole concept, mass and volume relationships in reactions, solutions, acid-base reactions, equilibrium, oxidation and reduction, and nuclear reactions. Laboratory demonstrations and investigations are used to introduce and reinforce classroom activities.

831 Chemistry (Honors)

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

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 I**

Approval Needed: **Present Mathematics Teacher and Academic Assistant Principal or Principal**

Open to juniors and seniors who excel in math and science, the course is a rigorous classroom and laboratory study of an ambitious sequence of topics: the mole concept, mass and volume relations in reactions, the gas laws, solutions, thermodynamics, solubility equilibrium, acid-base equilibrium, oxidation-reduction, advanced atomic structure, molecular structure, organic chemistry, and qualitative analysis. Much emphasis is placed on the use of mathematics and the inductive reasoning process in dealing with these concepts.

832 Chemistry (Advanced)

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

Credit: **1.0 credit**

Prerequisites(s): **A "B" average in Algebra II or Geometry; completion of or concurrent enrollment in Algebra II; successful completion of Biology I and a "B" average or better in Chemistry**

Open to juniors and seniors who excel in math and science, the course is designed to continue the topics from first year high school chemistry necessary to provide the student with the equivalent of a first year of college chemistry. The Advanced Chemistry course should offer the student a depth of understanding of the fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics will be presented in considerable depth. (*Offered biennially. May also be offered as AP if enrollment warrants.*)

840 Physics

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

Credit: **1.0 credit**

Prerequisite(s): **A "B" average or better in Algebra II and completion of or concurrent enrollment in Discrete Math or above**

Approval Needed: **Present Mathematics Teacher, Academic Assistant Principal or Principal**

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.

841 Physics (AP)

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

Credit: **1.0 credit**

Prerequisite(s): **A "B" or better in Algebra II(H) and completion or concurrent enrollment in a Trig/Pre-Calculus course**

Approval Needed: **Present Mathematics Teacher and Academic Assistant Principal or Principal**

The Advanced Placement Physics course is a presentation in both classical and modern physics, and it requires knowledge of algebra and basic trigonometry, with an introduction to basic ideas of calculus when applicable to certain topics. The understanding of basic principles of Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and atomic physics is expected of students. Assessment of students will occur as objective test items, essays describing physical phenomena, calculations of quantitative parameters in laboratory activities, and presentations, both written and oral, of conclusions drawn from laboratory experiences.

850 Environmental Science

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

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **Present Science Teacher, Academic Assistant Principal or Principal**

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): **11 and 12**

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **Present Science Teacher, Academic Assistant Principal or Principal**

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.

SOCIAL STUDIES DEPARTMENT

906 Social Studies 6

For Students in Grade(s): **6**

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

Prerequisite(s): **None**

Approval Needed: **None**

This course, taken by all sixth graders, focuses on the cultural and historical developments in the Western Hemisphere, with emphasis on the neighbors of the United States. Students are taught interpretation and application of maps, graphs, charts, political cartoons, and other social studies tools. Students also research issues concerning the Western Hemisphere.

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 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 Assistant Principal 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.

938 European History (AP)

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

Credit: **1.0 credit**

Prerequisite(s): **3.0 cumulative GPA in completed Social Studies courses**

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

The study of European History from the Renaissance to the present introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of the contemporary institutions, the role of continuity and change in present day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. Emphasis is placed on critical thinking skills, essay writing, interpretations of original documents, and historiography.

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 Mississippi Studies as one of the required senior social studies courses. The study 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 three branches of government, and relates the study of U.S. government to current issues.

941 Comparative Government and Politics (AP)

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

Credit: **0.5 credit**

Prerequisite(s): **A “B” in current social studies course and recommendation of current social studies teacher or department chair**

Approval needed: **Present teacher and Academic Assistant Principal or Principal**

The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. For example, we only know that a country has a high population growth rate or serious corruption when we compare it to other countries. Careful comparison of political systems produces useful knowledge about the policies countries have

effectively initiated to address problems, or, indeed, what they have done to make things worse. We can compare the effectiveness of policy approaches to poverty or overpopulation by examining how different countries solve similar problems. Furthermore, by comparing the political institutions and practices of wealthy and poor countries, we can begin to understand the political consequences of economic wellbeing. Finally, comparison assists explanation. Why are some countries stable democracies and not others? Why do many democracies have prime ministers instead of presidents?

946 Mississippi Studies

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

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **None**

An elective course open to students in Grades 9 through 12, this 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.

970 Psychology

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

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **None**

This semester course, offered to juniors and seniors, is an introduction to psychology. It provides students with a closer look at the major contributing theorists and how each theory may be used as a means of understanding the individual. In addition, students are made aware of the connection between thoughts, moods, physical reactions, behaviors, and environment and how the interactions of these five aspects affect each individual. An important goal of the material covered is to encourage analytical thinking as well as promoting a deeper appreciation and awareness for individual differences.

975 Psychology (AP)

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

Credit: **1.0 credit**

Prerequisite(s): **A 3.0 in previously completed Social Studies courses**

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

Psychology is a course that takes a look at the fascinating reasons why humans behave the way they do. The course investigates human behavior and the mind and its applications to understanding others and ourselves. The course also focuses on psychological research and the different fields of psychology. This course is available to juniors and seniors only.

985 Economics

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

Credit: **0.5 credit**

Prerequisite(s): **None**

Approval Needed: **None**

This elective course is open to students in grades 11 and 12. Students are taught basic economic concepts such as supply and demand, market economy, and gross national product. Students evaluate the role of organized labor in the U.S. economy and study the economic issues related to government, including the organization of the Federal Reserve System. *(This course was added this year as a graduation requirement for this year's freshmen by the Mississippi Department of Education.)*