

# ROSATI-KAIN HIGH SCHOOL

## COURSE DESCRIPTIONS

### 2011 - 2012

These course descriptions are published to assist students, parents and other interested parties in understanding the academic program at Rosati-Kain High School. Information related to the Advanced College Credit and Advanced Placement programs can be found on page 25.

Curriculum development is an on going process of revision and improvement. It is recommended, however, to use the contents of this book as a guide to help plan a complete course of studies.

The administration of Rosati-Kain High School reserves the right to cancel classes with insufficient enrollment.

#### **ACADEMIC PROGRAM**

All courses offered at Rosati-Kain are college preparatory. Credits are issued on a quarter, semester or yearly basis.

Schedule changes may be made during the first cycle of each semester and must be approved by parents, teachers and the administration. There is a \$30.00 fee for schedule changes. Students are not permitted to drop full year courses after only one semester.

The minimum number of credits required for graduation is 28.

#### **REQUIREMENTS FOR GRADUATION**

Religion	4 credits	
English	4 credits	
Fine Arts	1 credit	
Mathematics	4 credits	
World Languages	2 credits	must be in the same language
Physical Education/Health	1.5 credits	
Practical Arts	1 credit	
Science	3 credits	
Social Studies	3 credits	1 credit must be American History
Electives	6 credits	

Students and parents are encouraged to do long-range planning of courses. The following form may help in this planning.

**FRESHMAN YEAR**

Religion: Revelation of Jesus Christ /  
Who is Jesus Christ  
English: Literary Types  
World History  
Science: \_\_\_\_\_  
Practical Arts (1/2 credit)  
Math: \_\_\_\_\_  
World Languages: \_\_\_\_\_

Band or Freshman Chorus (1/2 credit)  
Physical Education (1/2 credit)

**Fr. Crs.** \_\_\_\_\_

**JUNIOR YEAR**

Religion: Sacraments/Morality  
English: Best of English Lit  
Chemistry  
History \_\_\_\_\_  
Language \_\_\_\_\_  
Mathematics \_\_\_\_\_  
Practical Arts \_\_\_\_\_  
Art \_\_\_\_\_  
Music \_\_\_\_\_  
Theatre Arts \_\_\_\_\_

**Jr. Crs.** \_\_\_\_\_ **Tot. Crs.** \_\_\_\_\_

**SOPHOMORE YEAR**

Religion: New Testament/Church  
English: American Literature  
Modern World History  
Science: \_\_\_\_\_

Math: \_\_\_\_\_

World Languages: \_\_\_\_\_  
Physical Education and Health  
Art (optional)  
Practical Arts (optional)  
Chorus (optional)  
Instrumental (optional)

**Soph. Crs.** \_\_\_\_\_ **Tot. Crs.** \_\_\_\_\_

**SENIOR YEAR**

Religion: World Religions/Social Justice  
Vocations/Women of Faith  
English \_\_\_\_\_  
History \_\_\_\_\_  
Language \_\_\_\_\_  
Mathematics \_\_\_\_\_  
Science \_\_\_\_\_  
Practical Arts \_\_\_\_\_  
Art \_\_\_\_\_  
Music \_\_\_\_\_  
Film/Theatre Arts \_\_\_\_\_

**Sr. Crs.** \_\_\_\_\_ **Tot. Crs.** \_\_\_\_\_

## **RELIGION (4 credits required)**

The Religion Department at Rosati-Kain offers semester classes to Freshmen, Sophomores, and Juniors, and quarter classes to Seniors. Students are required to be enrolled in Religion class each semester they attend Rosati-Kain. Students also participate in liturgical activities, retreats, and the junior service program sponsored by the Campus Ministry Office.

**011 Revelation of Jesus Christ in Scripture (required, 9) ½ credit**

Prerequisites: none

Students learn how to read the Bible utilizing methods of Catholic scripture scholarship and become familiar with the major books in each Testament. Students study Old Testament stories with emphasis on how they are fulfilled in the Gospels. Students are introduced to the Gospel of John and invited to encounter Jesus Christ more personally through study of scripture and prayer.

**012 Who is Jesus Christ? (required, 9) ½ credit**

Prerequisites: none

Students consider the person of Jesus Christ as God's revelation in history. Students examine Jesus' teachings about Trinity, Mary and the Holy Spirit. As a response to God's revelation students explore self-knowledge, personal relationships with God and others, the virtue of chastity and prayer.

**021 New Testament Studies (required, 10) ½ credit**

Prerequisites: none

Students examine New Testament writings with primary attention to the gospels. The unfolding of redemption in sacred scripture (creation, original sin, Messianic promises) culminating in the Paschal Mystery is explored. Students consider what it means to be a disciple of Christ and what life as a disciple entails. Students practice prayer leadership and gather as small communities of faith.

**022 Church: Reflections on Past and Present (required, 10) ½ credit**

Prerequisites: none

Students consider the presence of Jesus Christ in the Church. This course incorporates answers to questions of ecclesiology: What does it mean to be the Body of Christ? What is the Church? What does it mean to be a member of the Catholic Church? Key events in Church history are examined so the students can develop a sense of rootedness in faith.

**031 Sacraments (required, 11)** ½ credit  
Prerequisites: none

Students will study the rituals and history of the sacraments of the Catholic Church. Race, signs, and symbol will be examined as they relate to the celebration of the sacraments.

**032 Christian Morality (required, 11)** ½ credit  
Prerequisites: none

In this study of Christian Morality, students will examine the process involved in choosing to live a Gospel valued life. The course is developed around the Christian virtues and shows the Christian moral life as one's total commitment to the development of a holistic and virtuous life. Development of a personal and communal awareness of moral decision-making and judgment will also be covered. Catholic moral teaching will be presented as it relates to a variety of issues.

**041 World Religions (required, 12)** ¼ credit  
Prerequisites: none

In this survey course, students will learn the history, traditions, and basic beliefs of the world's major religious traditions. This overview will provide students with the foundation of knowledge necessary for interfaith dialogue and collaboration.

**042 Social Justice (required, 12)** ¼ credit  
Prerequisites: none

Social Justice is a quarter course designed to introduce students to Catholic Social Teaching and increase student awareness of and response to social justice issues.

**043 Vocations (required, 12)** ¼ credit  
Prerequisites: none

In this course students will explore the main vocational choices in life, what they mean, and how to best live them within the context of Christian belief and Catholic teaching. They will also learn the process of discernment in choosing a vocation.

**044 Women of Faith (required, 12)** ¼ credit  
Prerequisites: none

Women of Faith is a quarter course designed to examine the role of a number of influential women in the history of the Catholic tradition, increase awareness of the faith lives of present day women of faith, and encourage reflection upon self as a woman of faith. Stages of spiritual development will be explored.

## ENGLISH (4 credits required)

The English Department offers a variety of courses to enable students to fulfill the four-credit English graduation requirement. Each student will take one English course each semester. Required courses are taken during a student's freshman, sophomore, and junior year. These are Literary Types, American Literature, and Best of English Literature respectively. Seniors have a choice of a variety of semester courses. Those who fulfill the published prerequisites may register for college credit courses during their senior year.

- 111 Literary Types (required, 9)** 1 credit  
Prerequisites: none

The full year freshman English course aims to improve the students' control of the communication skills, reading, writing, speaking, listening; to expose students to language as a unique human invention, and to lead them to make discoveries about the structure and use of their own language. The content of this course will offer students a selection of good literature to read and to enjoy. A systematic approach to grammar and an emphasis on writing skills will help students build a firm foundation for the types of writing needed for future English courses.

- 121 American Literature (required, 10)** 1 credit  
Prerequisites: one credit in English

The full-year sophomore English course covers the writings of major American authors including Hawthorne, Poe, Melville, Twain, Chopin, Dickinson, Fitzgerald, and Hemingway. The main theme of this course is the search for an American identity through the eyes of its major authors. To build on the writing skills begun in freshman year, students write essays each semester. This course will also include a unit emphasizing the writing of a research paper.

- 131 Best of British Literature (required, 11)** 1 credit  
Prerequisites: two credits in English

This year-long course is a study of the literature of England. Students will read some of the best of British authors: Chaucer, Spenser, Shakespeare, Donne, Milton, Bronte, Wordsworth, Keats, Austen, Browning and others. Students write short expository and analytical papers. This course also includes detailed studies of *Hamlet* and *MacBeth*.

### SENIOR SEMESTER COURSES

Seniors must take one English class each semester. All senior courses require the writing of at least four formal essays (descriptive, process, comparison/contrast, literary criticism) as well as lengthy reading assignments.

**141 Shakespeare** ½ credit

This semester course is a detailed study of the four types of Shakespearean plays. These works will include *Henry V*, *Othello*, *Measure for Measure*, and *Midsummer Night's Dream*. Students are required to write at least four formal essays.

**142 Major American Authors** ½ credit

This semester course is a detailed study of all genres of literature, featuring influential American authors. Works that will be studied include *The Adventures of Huckleberry Finn*, *The Great Gatsby*, *I Know Why the Caged Bird Sings*, *Death of a Salesman*, and 20<sup>th</sup> century poems and short stories. Students are required to write at least four formal essays.

**143 Modern British Literature** ½ credit

This semester course will include the novels *And Then There Were None* and *Rebecca*. Post-WWII poetry, short stories, *The Importance of Being Earnest*, and another selection will also be studied. Students are required to write at least four formal essays.

**144 Theatrical Literature Survey** ½ credit

This semester course is an exploration of several plays both as dramatic literature and as theatrical event. Students are required to write at least four formal essays. Works will include *Oedipus Rex*, *Everyman*, *She Stoops to Conquer*, *Hedda Gabler*, *The Glass Menagerie*, and *Waiting for Godot*.

**145 Women in Literature** ½ credit

This semester course is a study of literature by and about women. Emphasis is placed on the changing roles of and attitudes towards women throughout the ages, and the way these changes reflect the changes in society from century to century. All genres will be included. Works will include *Wuthering Heights*, *A Doll's House*, *The Color Purple*, and stories from two anthologies. Students are required to write at least four formal essays.

**146 Classical Readings** ½ credit

This semester course on classical literature includes *The Iliad*, *Medea*, *Antigone*, and *Oedipus Rex*; philosophical works include works by Socrates and Plato. Students are required to write at least four formal essays.

**148 Short Story Reading and Creative Writing** ½ credit

Students will read selected short stories from the 19<sup>th</sup> and 20<sup>th</sup> Century American literature with the objective of understanding their plot structures as well as the settings, character developments, imagery and themes created by the authors. Students will work on developing their own short stories through writing exercises for plots, settings, characters, imagery, themes, and dialogue. Formal writing projects will be assigned each cycle along with the creation of a complete short story, one-act play, or three chapters of a novel as a final project.

**149 Themes in World Literature** ½ credit

This semester course is a critical study of universal themes of truth, beauty, and justice as represented in the literature of various cultures. Students are required to write at least four formal essays.

**199 ACC/AP Advanced English Composition (elective, 12)** 1 credit

Prerequisites: a 3.5 GPA in previous English courses, a cumulative GPA of 3.0, and a writing sample that will be evaluated by the English faculty.

Students who register for this two semester class have the opportunity to earn three hours of college credit each semester in composition and literature. These courses are designed to help students write clearly, logically, and creatively. Discursive writing assignments in the first semester are based on current topics. During the second semester, writing assignments will focus on the literature being studied.

**SOCIAL STUDIES (3 credits required; 1 credit must be 231 or 239)**

**211 World History (required, 9)** 1 credit

Prerequisites: none

This two-semester freshman course is a survey of the major developments of the world from the ancient cultures to the Age of Exploration. There is an emphasis on the patterns of interaction between cultures.

**221 Modern World History (required, 10)** 1 credit

Prerequisites: World History

This two-semester sophomore class surveys the major themes of world history from the Age of Exploration up to the 21st century. The course focuses on the study of the patterns of interaction between cultures and geography in the modern world.

**231 U.S. History (required, 11)** 1 credit  
Prerequisites: none

This junior course will cover the history of the United States from the colonial period to the present day. The Constitutions of Missouri and the United States will be covered in depth. A research paper is required.

**239 AP United States History (required, 11)** 1 credit  
Prerequisites: A or B semester average in all previously completed history and English Courses; writing assignment; recommendation of the student's former history and English teachers; and parent and student commitment to the extra time, reading and writing requirement. Enrollment in this class may need to be limited.

This course will cover the history of the United States from the colonial period to the present day. The Constitutions of Missouri and the United States will be covered in depth. A research paper is required. Students will also be required to do extra reading and work to help prepare them for the Advanced Placement test.

**249 ACC Western Civilization (elective, 12)** 1 credit  
Prerequisites: A or B semester average in all previously completed history and English Courses; writing assignment; recommendation of the student's former history and English teachers; and parent and student commitment to the extra time, reading and writing requirement. Enrollment in this class may need to be limited.

This course is a conceptual approach to the development of Europe. The class begins with Early Ancient Near East civilizations and follows European History into the 21st century.

**243 Psychology (elective, 12)** ½ credit  
Prerequisites: none 1 semester

Psychology is a semester course designed to introduce students to the biopsychosocial approach to psychology. Historical perspectives of psychology and theories of psychological growth and development, neuroscience and the brain, personality theories and behavior disorders are discussed.

**245 Today's Issues (elective, 12)** ½ credit  
Prerequisites: none 1 semester

This semester course focuses on the discussion of the major international and domestic issues. The class examines the media and how information is presented to its audience as well as looking for biases in the presentation. Student research will supplement discussions in seeking balanced historical explanations surrounding pertinent issues.

- 246 Economics (elective, 11, 12)** ½ credit  
Prerequisites: none 1 semester

This course helps students view situations, events, and life experiences in economic terms. This is accomplished through discussions and activities designed to view the impact of current events, concepts, and ideas at all levels -- personal, national, and global. Topics covered during the semester include the following: Scarcity, economic systems, supply and demand, money and the U.S. banking structure, tax policy, government spending, and the stock market.

## **MATHEMATICS (4 credits required)**

The Mathematics Department offers twelve courses which enable students to fulfill the four-credit mathematics graduation requirement. The Advanced Program is offered to accelerate students' study by allowing them to register for AP Calculus in their senior year. All students will be required to purchase a specific graphing calculator at the beginning of their freshman year. This calculator will be used in mathematics and science classes.

- 311 Algebra 1 (required, 9)** 1 credit  
Prerequisites: admission to R-K

This course allows the student to extend previously acquired arithmetic skills from numbers to polynomials and equation solving. Topics include operations with rational numbers, linear equations, linear inequalities, polynomials, factoring, graphing linear equations, systems of equations, rational expressions, radicals and quadratic equations.

- 318 Advanced Algebra 1 (9 with special placement)** 1 credit  
Prerequisites: Placement test and department approval

This accelerated course in Algebra is available to the student who has had an introduction to Algebra in the eighth grade. Advanced Algebra 1 covers the content of the Algebra 1 course in more depth and with more emphasis on applications. In addition, some Algebra 2 topics are covered, including exponential functions, piecewise functions, matrices, linear programming, solving linear equations in three variables, and graphing radical and rational equations.

- 321 Geometry (required, 10)** 1 credit  
Prerequisites: Algebra 1 or Advanced Algebra 1

This course uses undefined terms, definitions, constructions, postulates, theorems and some trigonometry to help students prove statements about geometric figures and relationships between those figures. Additional topics include probability, coordinate geometry and transformations.

- 328 Advanced Geometry (10; 9 with special placement)** 1 credit  
Prerequisites: Advanced Algebra 1 with no semester grade lower than a B, or special placement, and department approval

This accelerated course in Geometry is available only to students with strong algebra skills and strong reasoning ability. Advanced Geometry covers the content of the Geometry course in more depth and with more emphasis on analysis. Additional topics include probability, right triangle trigonometry, vectors, law of sines and cosines, and parametric equations and projectile motion.

- 331 Algebra 2 (11)** 1 credit  
Prerequisites: Geometry and department approval

This course extends the study of Algebra 2 through two semesters. The course strengthens Algebra 1 skills and develops the concepts of Algebra 2. Topics studied include linear and quadratic equations and inequalities, graphing, polynomial functions, rational expressions, exponents, exponential and logarithmic function, radicals, irrational and complex numbers.

- 332 Algebra 2 with Trigonometry (11)** 1 credit  
Prerequisites: Geometry or Advanced Geometry, with no semester grade lower than a C in all previous math classes and department approval

This course includes a review of skills from Algebra 1 and all the essential topics for an Algebra 2 course. It also includes the study of Trigonometry. Topics included are quadratic relations, exponential and logarithmic functions, radical expressions, and analytic geometry.

- 338 Advanced Algebra 2 with Trigonometry (11; 10 with special placement)** 1 credit  
Prerequisites: Advanced Algebra 1 and/or Advanced Geometry, with no semester grade lower than a B in all previous math classes and department approval

This accelerated course is available only to the very capable student intending to enroll in AP Calculus. The course encompasses Algebra 2 with Trigonometry and material from the Pre-Calculus course. Topics included are Quadratic, Polynomial, and Rational Functions; Exponential and Logarithmic Functions; Analytic Geometry; Sequences and Series; Probability and Statistics; Trigonometry, Vectors and Polar Coordinates. Emphasis is placed on applications of the topics covered.

- 341 Trigonometry (elective, 12)** ½ credit  
Prerequisites: Algebra 2 and department approval

This is a first semester course. The students are introduced to the study of trigonometry using triangle trigonometry. Topics covered include solving right triangles, solving general triangles, and applications. The unit circle, radian measurement, basic trigonometric identities, and graphing trigonometric equations are also covered.

**343 Topics in Discrete Mathematics (elective, 12)** ½ credit

Prerequisites: Algebra 2 and department approval

This is a second semester course. The students are introduced to the study of probability and statistics and series and sequences. Additional topics may be covered.

**342 Pre-Calculus (elective, 12; 11 with special placement)** 1 credit

Prerequisites: Algebra 2/Trig or Advanced Algebra 2/Trig and department approval

This course is designed to broaden the student's grasp of mathematics and to provide an ample preparation for the study of college level courses. The following topics are included: complex numbers, polynomial functions, exponential and logarithmic functions, sequences and series, trigonometric functions, matrices, conics, probability, statistics, vectors and polar coordinates.

**345 AP Statistics (elective, 12; 11 with special placement)** 1 credit

Prerequisites: Algebra 2/Trig or Advanced Algebra 2/Trig, no grade below a C in previous math and English classes, a brief writing assignment and departmental approval

This accelerated course teaches students the major concepts and tools for collecting, analyzing and drawing conclusions from data and covers the advanced placement curriculum. The four conceptual themes covered are: Exploring Data; Sampling and Experimentation; Probability and Simulations; Statistical Inference.

**349 AP Analytic Geometry and Calculus (elective, 12; 11 with special placement)** 1 credit

Prerequisites: Advanced Algebra 2/Trig or Precalculus, no grade lower than a B in all previous math classes and department approval

This course continues the development of advanced mathematics and encompasses a first course in the differential and integral calculus of functions of a single variable. Topics covered are real numbers, analytic geometry and functions, limits and continuity, the derivative and applications of the derivative, the differential, antidifferentiation, and the definite integral.

## **SCIENCE (3 credits required)**

The Science department offers several options in addition to the three science credits required for graduation. It is possible to take two science courses during the junior and senior years if time and talents allow.

- 411 Integrated Chemistry and Physics (required, 9)** 1 credit  
Prerequisites: none

The material covered in this course includes the basics of both chemistry and physics. The course will emphasize the composition of the world on an atomic level and the way in which molecules react with one another. The physics portion of the course will enable students to gain a better understanding of the mechanics of everyday phenomena. Lab assignments will complement the material covered in lecture.

- 421 Biology 1 (required, 10; 9 with special placement)** 1 credit  
Prerequisites: none

This course is designed to show students how cellular components work together to allow organisms to function and to pass traits from one generation to another. Lab activities, group work, and research projects reinforce the material covered in class.

- 431 Chemistry (required, 11; 10 with special placement)** 1 credit  
Prerequisites: Biology 1

Chemistry is the study of matter and how it changes. A wide range of topics related to this study will be covered. This includes but is not limited to atomic theory, nomenclature, laboratory techniques and reports, energy, bonding, gases, equilibrium and writing and balancing chemical reactions.

- 433 Physics (elective, 12)** 1 credit  
Prerequisites: completion of Algebra 2/Trigonometry and Chemistry with no semester grade lower than a B.

Students learn how the physical world works by investigating basic physics principles such as linear and rotational motion, forces, energy and momentum. Other topics such as waves, light, electricity or modern physics will be covered as time permits. Lab and class work will stress careful observation and reporting, critical thinking and analytical reasoning.

- 434 AP Physics B (elective, 12)**  
Prerequisites: Algebra 2/Trig or higher and Chemistry; no math or science semester grade lower than a B; recommendation of the student's current math and science teachers

This course covers the standard topics found in two semesters of college-level algebra-based introductory physics course: mechanics; fluid mechanics; thermal physics; electricity and magnetism; waves and optics; and atomic and nuclear physics. Emphasis will be placed on experimental procedures and scientific inquiry. Students are expected to do extra reading and practice to prepare for the AP exam and daily class.

- 438 Human Anatomy and Physiology (elective, 12)** 1 credit  
Prerequisites: completion of Biology and Chemistry with no semester grade lower than a C. Any student who does not qualify must obtain the Anatomy teacher's signature and complete independent work in biology and chemistry over the summer to be eligible to take this course. Students with a cumulative B average at R-K (3.0/4.0) can apply to UMSL and earn 4 semester hours credit while taking this course at R-K.  
UMSL course (Bio 1131)

This course is the study of the human body and how it functions. After an overview of the basic principles of the cell, students study tissues and then human systems. Emphasis is placed on the function of each system and how it is designed to complete its function. Lab exercises, including dissections, complement class instruction.

- 439 AP Biology 2 (elective, 11, 12)** 1 credit  
Prerequisites: completion of Biology 1 with an A for all completed quarters/semesters. This course is limited to 24 students. The students with the top 24 GPAs in Biology will be selected. Priority will be given to seniors. Conduct grades may be considered to determine enrollment.

This course is a continuation of Biology 1. It is designed to introduce students to some of the theories of the origin of life on Earth and evolution. Students will study about the similarities and many differences of organisms in the Kingdoms of living things, and the interaction of living and non-living components of the biosphere. Students will learn about the human systems and compare them to the systems of other organisms. Lab exercises and research will complement class instruction. Students are strongly encouraged to take the AP test at the completion of this course.

## **FINE ARTS (1 credit required)**

The Fine Arts Department offers over twenty courses in visual arts, music, and drama. These courses afford students the opportunity to work creatively as individuals and with others, developing their God-given talents to enrich their lives and serve the community. One credit is required for graduation. All students earn 1/2 credit during the freshman year by enrolling in either Freshman Chorus, Instrumental 1, Instrumental 2, or Performing Ensemble. In the music and drama department, both performing and non-performing drama and music courses are offered. Some courses have prerequisites/auditions.

- 511 Freshman Chorus (9)** ½ credit (Full Year)  
Prerequisites: none

Freshman Chorus is a combination of a choral performing arts class and an introduction to music class. Students will develop the ability to sing various choral music styles. Proper breathing techniques, diction, blend, tone quality, and music reading skills are emphasized. Basic theory and a study of various composers are explored. This is a performing ensemble; students are required to sing in the Christmas and Spring concerts.

**521 Drawing Skills (elective, 10, 11, 12)**

½ credit

Prerequisites: none

This class will focus on improving the drawing skills and visual perception of the student. The class will study various drawing techniques. This class will be a prerequisite for all other art classes except for The Art Class (522), and Clay and Crafts (526). Students will be expected to purchase some art materials.

**522 The Art Class (elective, 10, 11)**

½ credit

Prerequisites: none

This class will focus on experiences of visual art. The class will work on projects using both 2-D and 3-D design. This class is recommended to sophomores wishing to take higher level art classes in junior and senior years. It should be taken in connection with Drawing Skills Class. Juniors and seniors with little visual arts background may also benefit from this class. Students will be expected to purchase some art materials.

**523 Graphics and Print-Making (elective, 10 in 2nd Sem. only with art teacher approval, 11, 12)**

½ credit

Prerequisites: Drawing or Drawing Skills and teacher signature

Students will study various forms of the Graphic arts such as: Linocut, Monoprint, Layout Design, Computer Generated Design, and Lettering. In addition, students will continue to build drawing skills, work with Design Elements and Principles and study related artists and art movements. Students will need to purchase some art materials.

**524 Painting 1 (elective, 11, 12)**

½ credit

Prerequisites: Drawing and/or Drawing Skills and teacher signature

Students will study painting techniques in water based media. Some of the materials used will be acrylic paint, watercolor paint and watercolor pencils. Students will study artists and styles in both the historic and contemporary art world. Students will need to purchase some supplies.

**525 Painting 2 (elective, 11, 12)**

½ credit

Prerequisites: Drawing and/or Drawing Skills, Painting 1 and teacher signature

The student will continue to study painting using various water media as in Painting 1, but the content of the work will emphasize problem solving and the development of the individual's style. Students will be expected to keep a sketchbook/journal/notebook and produce research. Students will need to purchase some supplies.

**526 Clay and Crafts (elective, 11, 12)** ½ credit

Prerequisites: none

The student will spend one quarter creating hand built ceramic pieces and the other quarter will be dedicated to a variety of other crafts. This class does not require any previous art training, only the desire to experience a variety of crafts produced by artisans around the world. The student will be expected to keep a notebook, produce research and attend at least one art show. Students will be required to purchase some craft supplies for projects.

**527 Advanced Drawing and Design (elective, 11, 12)** ½ credit

Prerequisites: Drawing and/or Drawing Skills, at least one other art class and teacher signature

In this class students will continue to develop their drawing skills in a variety of media. Emphasis will be on working towards an individual style and using a creative approach in composition. The work will be of a quality appropriate for college admission. Students will be expected to keep a sketchbook/journal/notebook, produce research and develop a portfolio of at least eight pieces. Students will need to purchase some art supplies.

**528 Portfolio Preparation (elective, 12)** ½ credit

Prerequisites: Drawing and/or Drawing Skills, Advanced Drawing and Design, at least two other art classes and teacher signature

The purpose of this class is to help the student complete a portfolio by January of senior year. The class is offered in the first semester. Students not interested in pursuing an art career but wanting to develop their talent may also be admitted to the class. In this class, students will complete a portfolio of at least twelve works, research the admission requirements for various colleges, produce research, and participate in weekly critique sessions. Students will need to purchase some supplies.

**529 Independent Studio (elective, 11, 12)** ½ credit

Prerequisites: Drawing and/or Drawing Skills, teacher signature, and at least two of the following: Graphics, Painting 1, Painting 2, Advanced Drawing and Design, and Portfolio Preparation

This class is for the serious art student who needs to create a portfolio for college but cannot fit any other art class in her schedule. Students must develop a personal plan for time management, complete at least twelve works of portfolio quality by the end of the semester, meet weekly with the art teacher for personal critique, and produce research. Students will need to purchase some supplies. Every effort should be made by the student to fit a scheduled art class into her schedule.

**532 Theatre Arts: Performance (elective, 11,12)** ½ credit

Prerequisites: signature of theatre arts teacher

This semester course will focus on audition skills, theatrical warm-up, Stanislavski and Meisner acting techniques, and dialect work. There will also be a section of the course dedicated to a brief survey of theatre history.

**533 Theatre Arts: Design and Playwriting (elective, 11, 12)** ½ credit

Prerequisites: signature of theatre arts teacher

This semester course will focus on the art of costume and set design during the first quarter. The focus during the second quarter will be on the analysis of existing plays and the study of how to create original theatrical works.

**535 American Film Study (elective, 12)** ½ credit

Prerequisites: Application and approval by instructor. Recommendations from two teachers are required. If all applicants cannot be accommodated, a random drawing will be held.

This semester course will focus on the study of American films made before 1980. The class will handle such subject matters as: film making, acting, lighting, directing, screenplay, and many other filming techniques. There will be ten films shown during class and several others assigned independently.

**551 Advanced Chorus (elective, 10, 11, 12)** 1 credit

Prerequisites: acceptance by audition. Students may enroll in the course more than one year.

Students will be introduced to choral music of various styles and from various historical periods. Music reading skills, choral blend, diction, and tone quality will be emphasized, as well as working as part of a cooperative group. This is a performing ensemble; students will sing at various times throughout the year, primarily in the Christmas and Spring concerts.

**552 R-K Voices (elective, 11, 12)** ½ credit (Full Year)

Prerequisites: acceptance by audition, and recommendations by three teachers. Note: Students in Rosati-Kain Voices must also enroll in Advanced Chorus. Students may enroll in the course more than one year.

This is a small, select ensemble with an emphasis on performance. A variety of musical styles from various historical periods will be explored. Students will advance their music reading and choral singing skills and work closely with those in the ensemble. Students must be willing to perform frequently, often outside of school time. Performances will include but not be limited to the Christmas and Spring concerts.

**553 Music Theory (elective, 11, 12)**

½ credit

Prerequisites: Freshman Chorus or Instrumental 1, 2, or Performing Ensemble  
Offered Semester 1

This course will explore the structure of music. Students will work with rhythms and scales, build chord progressions, and compose original music, while improving their skills in ear-training, music dictation, and music reading.

**554 Music History (elective, 11, 12)**

½ credit

Prerequisites: Freshman Chorus or Instrumental 1, 2, or Performing Ensemble  
Offered Semester 2

This course will explore the history of the music of Western (European/American) civilization, from the Middle Ages through the 20th Century, including its relationship to world history.

**555 Instrumental 1 (elective, 9, 10, 11, 12)**

½ credit (Full Year)

Prerequisites: none

Students will be provided both small and large group orchestral experiences following basic instruction on a particular instrument. Practice and instruction are the basis of this class.

**556 Instrumental 2 (elective, 9, 10, 11, 12)**

1 credit

Prerequisites: basic playing ability on a band instrument or desire to begin playing a different instrument. Students may enroll in this course more than one year.

Students will be provided both small and large group orchestral experiences for those who are sufficiently beyond the beginner level.

**557 Performing Ensemble (elective, 9, 10, 11, 12)**

1 credit

Prerequisites: intermediate to advanced knowledge and skill on a particular instrument. Membership is by audition only. If studying privately, a dated letter from music teacher describing the level of ability as well as length of study with this teacher is required. Students must have their own instrument approved by instructor, or rent from Nottelmann Music Company. Students may enroll in this course more than one year.

Students will be provided both small and large group experiences. Independent musicianship and working cooperatively in an ensemble are emphasized. This is a performing ensemble; students are required to perform in the Christmas and Spring concerts.

**558 Guitar 1 (elective, 10, 11, 12)** ½ credit

Prerequisites: none. This is a semester course.

Beginning Guitar is a non-performing class in which students will learn to play guitar in a group setting. Students will learn to read and play notation on the treble clef and play chords from chord symbols. Each student must provide an acoustic (not electric) guitar. Instruments may be rented from Nottelmann Music. Students will be expected to take their instruments between school and home to practice.

**559 Guitar 2 (elective, 10, 11, 12)** ½ credit

Prerequisites: Guitar 1. This is a semester course that follows Guitar 1.

This is a non-performing class in which students will continue study of the guitar. Topics will include barre chords, transposition, improvisation, arranging, and many types of intermediate strumming and picking patterns. The basic music theory needed to continue progress will be studied. Each student must provide an acoustic (not electric) guitar, and a capo. Instruments may be rented from Nottelmann Music. Students will be expected to take their instruments between school and home to practice.

## **PRACTICAL ARTS (1 credit required)**

Practical Arts courses are those in which students learn to integrate academic knowledge and skills with pre-vocational, career, and technical knowledge, and to apply them in authentic situations. Practical arts courses include courses of general interest such as computer applications, school publications, and technology education, as well as career and technical education courses.

**731 Fundamentals of Computer Literacy (required, 9)** ½ credit (full year)

Prerequisites: none

In this course, students will utilize various computer applications to integrate technology into all aspects of their academic work. The course will meet all year, two days per cycle, followed by online tutorials, exercises, and discussion forums. Some assessments will be designed collaboratively and integrated into the students' other classes. Assessments may include, but not be limited to: refining internet research techniques, evaluating websites for validity to be used in research for various classes, multi-media presentation tools for use in various classes, and collecting and displaying data using Excel in Science.

**732 Web Page Design (elective, 10, 11, 12)** ½ credit

Prerequisites: Fundamentals of Computer Literacy or its equivalent

In this semester course, students will learn the essential features and capabilities of HTML necessary to create web pages. HTML 4.01, HTML 5 and Cascading Style Sheets will be addressed. Students will design, create, and publish their own web pages.

- 738 Image Editing with Photoshop (elective 10, 11, 12)** ½ credit  
Prerequisites: Fundamentals of Computer Literacy or its equivalent

In this semester course, students will learn to alter, enhance and fine tune digital images using various tools from the Photoshop toolbox. In addition, they will learn to create special effects using channels, calculations, layer styles, and different image modes. Additional topics will include extensive work with layers, applying pixel masks, adding background effect in images, and image warping.

- 733 Accounting 1 (elective, 11, 12)** 1 credit  
Prerequisites: none

Accounting is the process of utilizing both graphic and descriptive data to present financial information needed in business activities. In this one year course, the student learns the basic principles of keeping a set of financial records and the application of these principles for a proprietorship and a partnership. The course focuses on financial accounting.

- 734 Personal Finance (elective, 10, 11, 12)** ½ credit  
Prerequisites: none

Students will be introduced to the world of money management and finance. By learning about their financial options and responsibilities, they will become knowledgeable about how to handle their money and the consequences of mismanaged finances. This class will assist the students in navigating the financial decisions they face today and tomorrow.

- 735 Media (elective, 11, 12)** 1 credit  
Prerequisites: Application and letters of recommendation and approval by instructor.

This course is for 12-15 juniors and seniors. Areas covered are the use of 35 mm cameras, digital photography, scanning and layouts and designs. Emphasis is placed on the following software: Photo Shop CS, In Design CS, Illustrator CS, and Power Director. The average cost per student is \$75 for individual supplies.

- 736 Publications 1 (elective, 11, 12)** 1 credit  
Prerequisites: Interested students must complete a two-page layout using Microsoft Publisher or Word. Instructions for the layout must be picked up from Mr. Kasten. Students must also complete a teacher recommendation form supplied by Mr. Kasten.

This full-year course is designed for no more than 15 juniors and seniors who are dedicated to publishing a high quality yearbook and at least five editions of a newspaper. The course content will include journalistic writing skills, photography, and publishing concepts that include design and layout. This course may not be taken concurrently with media.

- 737 Publications 2 (elective, 12)** 1 credit  
Prerequisites: completion of Publications 1, or an interview with and approval by Mr. O'Keefe

This class is for yearbook editors. Students will spend time in class, and even more time out of class, creating the theme, style and layouts of the yearbook. Students will also support the *Occasional* editors, photograph school events and extra curricular activities, and mentor Publications 1 class members.

## **PHYSICAL EDUCATION/HEALTH (1 credit required)**

One-quarter credit of Physical Education and a semester of Health are required courses for freshman year. A second half-credit of Physical Education is required and may be taken during any of the three remaining years to fulfill graduation requirements.

- 811 Freshman P.E. (required, 9)** ½ credit (full year)  
Prerequisites: none

This class provides students with the basic knowledge and experience needed to acquire and maintain lifelong physical fitness. Students participate in a variety of individual, dual, and team sports as well as rhythmic activities. They also complete written assignments and tests covering basic health and exercise concepts.

- 821 Second Year P.E. (required, 10)** ½ credit  
Prerequisites: none; available as a full-year class or a 1 semester class – preference for the full-year class is given to students also enrolled in Advanced Chorus

This class builds upon the Freshman P.E. class, providing students with in-depth knowledge and experience needed for lifelong fitness/wellness. Students improve skills in individual, dual, and team sports and rhythmic activities. They also complete the American Red Cross CPR/First Aid certification program. The class culminates with student creation of a personal fitness plan for the maintenance of health-related fitness.

- 822 Health (required, 10)** ½ credit  
Prerequisites: none

In this semester course, students learn about physical, mental, and social well being. The students will study human growth and development, nutrition, mental health and illness, and drug, alcohol and tobacco addiction.

## **WORLD LANGUAGES (2 credits of the same language required)**

The World Languages Department offers French 1 through 5 and Spanish 1 through 5. French 3 through 5 and Spanish 3 through 5 are electives for those who have successfully completed 1 and 2. There is an option for upperclassmen to take 1 and 2 of the second language with departmental approval. Two years of the same language are required. Advanced college credit is available in each language through St. Louis University. (Students receiving college credit must be juniors or seniors, in accordance with SLU regulations.)

**911 French 1 (required, 9; elective, 11)** 1 credit  
Prerequisites: none

Focusing on communication in everyday situations, this course will make possible the development of the four language skills: listening, speaking, reading, and writing. It increases students' knowledge and appreciation of diverse cultures in French-speaking countries. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

**921 French 2 (required, 10; elective, 12)** 1 credit  
Prerequisites: successful completion of French 1

Focusing on a more varied vocabulary, this course stresses more complex forms of grammar, an increase in listening and reading skills and paragraph writing. It continues to increase students' knowledge and appreciation of diverse cultures in French-speaking countries. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

**939 French 3 (elective, 11)** 1 credit  
Prerequisites: successful completion of French 2 with at least a B average and signature of French 2 teacher.

This course may be taken for Advanced College Credit from St. Louis University. It is designed to review basic grammar and to emphasize advanced grammar in conversation, reading and writing. Readings include works of literature and historical material about French culture. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

(Option: 3 hours college credit. Departmental approval required.)

**949 French 4 (elective, 12)** 1 credit  
Prerequisites: Successful completion of French 3 with at least a B average and signature of French 3 teacher

This course may be taken for Advanced College Credit from St. Louis University. Civilization and culture are emphasized in studying an anthology of literary works. A good command of the four skills should be achieved at this time. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook. (Option: 6 hours college credit. Departmental approval required.)

**951 French Seminar (elective, 12)** 1 credit  
Prerequisites: Successful completion of French 4 with at least a B average and signature of French 4 teacher

This course is structured to meet the needs of advanced students. It includes the reading of literature, compositions on topics from literature, and oral and listening skills practice using resources that include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook and readings.

**961 Spanish 1 (required, 9; elective, 11)** 1 credit  
Prerequisites: none

Students learn basic grammar (present tense) and vocabulary with an emphasis on elementary conversation. Varied techniques are employed, including visual presentation of new vocabulary, oral repetition, practice in writing, and listening/speaking exercises. Cultural topics and map study are introduced to encourage understanding of the Hispanic world. Current issues relating to the Hispanic community are also addressed. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

**972 Spanish 2 (required, 10; elective, 12)** 1 credit  
Prerequisites: Successful completion of Spanish 1

Level 2 Spanish continues to build upon the basic foundation of Spanish 1. More complex grammatical concepts are introduced, including the preterite, imperfect, and progressive tenses. Intensive practice in writing, speaking and listening is provided daily. Readings in Spanish are more sophisticated and include topics of cultural significance in the Hispanic world. Participation in community events is encouraged. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

- 989 Spanish 3 (elective, 11)** 1 credit  
Prerequisites: Successful completion of Spanish 2. A minimum 3.0 cumulative GPA as well as a minimum 3.5 GPA in all previous Spanish courses, and departmental approval. Enrollment in this class may need to be limited.

Spanish 3 emphasizes advanced grammar and more complex vocabulary. Readings focus on realistic subject matter reflecting Hispanic culture and occasionally include short works of literature. Increased participation in community events is encouraged. Students are required to express themselves in original compositions, skits, and free conversation. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook. (Option: 3 hours college credit. Departmental approval required.)

- 999 Spanish 4 (elective, 12)** 1 credit  
Prerequisites: Successful completion of Spanish 3. A minimum of 3.0 cumulative GPA as well as a minimum 3.5 GPA in all previous Spanish courses, and departmental approval. Enrollment in this class may need to be limited.

Spanish 4 completes the formalized study of Spanish grammar and emphasizes more abstract vocabulary and subjective topics for discussion. Readings focus on historical material providing a background in Hispanic culture and geography. Students are required to express themselves in original compositions, oral presentations, conversations and class discussions. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook. (Option: 6 hours college credit. Departmental approval required.)

- 991 Spanish Seminar (elective, 12)** 1 credit  
Prerequisites: Successful completion of Spanish 4 with at least a B average and signature of Spanish 4 teacher

This course is structured to meet the needs of advanced students. The course emphasizes the study of Hispanic literature and writings, using an anthology of Spanish literature and selected abridged texts, as well as developing conversation and presentation skills on academic topics. Teaching and learning resources include visual aids, music, video and audio materials, computer programs and interactive technology to supplement the textbook and readings.

## COLLEGE CREDIT AVAILABILITY

Students may be limited as to the number of college credit courses they may take. This is up to the discretion of the Counseling Department and the administration.

### Advanced Placement Program (AP):

Administered by the College Board, an AP course covers material similar to a college-level course and prepares students to take an exam that can earn them college credit or advanced placement. All colleges are familiar with AP curriculum standards. Students must check with colleges to determine the particular school policy regarding AP credit and qualifying scores.

### Saint Louis University \*

#### Course Title

Communicating in French I (11)	3 credits
Communicating in French II (12)	3 credits
Intermediate French: Language and Culture (12)	3 credits
Communicating in Spanish I (11)	3 credits
Communicating in Spanish II (12)	3 credits
Intermediate Spanish: Language and Culture (12)	3 credits
Advanced Strategies of Rhetoric and Research (12)	3 credits
Introduction to Literature (12)	3 credits
Origins of the Modern World to 1500 (12)	3 credits
Origins of the Modern World, 1500 to the Present (12)	3 credits

### University of Missouri - Saint Louis\*

#### Course Title

Human Physiology and Anatomy	4 credits
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\* Credits earned through Advanced College Credit programs may be transferable to other U.S. colleges and universities. Students must check with prospective colleges to determine the particular school's policy regarding advanced credit. Saint Louis University and UM-Saint Louis charge tuition for each credit hour -- the rates for 2008-2009 were \$65.00 per credit hour for Saint Louis University and \$54.00 per credit hour for UM-Saint Louis.