



Course Catalog

2018-2019

St. Pius X High School 2018-2019 Program of Studies

VISION STATEMENT

We, the Catholic community of St. Pius X High School, strive to maintain recognized excellence in all educational programs for students of all abilities. We strive to impart Christian principles to students preparing them to be productive and contributing members of a global society. We, as members of the St. Pius X High School community, seek to challenge each other to become life long learners in mind, body, and spirit.

MISSION STATEMENT

St. Pius X High School is a Catholic community dedicated to the education of the whole person in an environment where extraordinary care and concern for the individual is ordinary.

TABLE OF CONTENTS

Educational Policies	2
English Department	5
Fine Arts Department	11
Mathematics Department	16
Practical Arts Department	19
Science Department	22
Social Studies Department	26
Theology Department	31
Wellness Department	34
World Language Department	36

EDUCATIONAL POLICIES

In planning for the upcoming school year, all students should keep in mind that a minimum of 28 credits is necessary to graduate from St. Pius X. Courses with fewer than 10 students will be canceled.

GRADUATION REQUIREMENTS

General Education/College Prep

Course	Required Unit
Theology (Theology I, II, III, IV)	4
English/Language Arts (Eng I, II, III, IV)	4
Mathematics (4 are recommended for college prep)	3
Social Studies (Am Hist and passing grades on US and Missouri Constitution tests required)	3
Science (4 are recommended for college prep)	3
Fine Arts	1
Practical Arts (Bus Communications & Consumer Finance required)	1
Wellness (Wellness, Fitness, Crossfit, and Drug Ed)	2½
World Language (Two units of same language are recommended by many colleges, required by some)	2
Elective Credits	4½-8½
Community Service	100 hrs
Total Graduation Credits	28-32

All students must register for no fewer than 8 credits which must be distributed evenly in both semesters. Juniors and seniors may apply for a study hall. Students are encouraged to plan their course of studies with counselors and teachers with three major ideas in mind: the fulfillment of

basic course requirements, future career or profession, and academic strengths and preferences.

COLLEGE CREDIT PROGRAM

College credit programs offered at St. Pius X are sponsored by Saint Louis University (SLU-ACC) and the University of Missouri -St. Louis (UM-St. Louis-ACP). In this program a junior or senior maintaining a 3.0 cumulative grade point average may enroll in college level courses and simultaneously register at SLU and/or UM-St. Louis. The student receives a report card from SLU or UM-St. Louis upon successful completion of the courses. After high school graduation, an official transcript from SLU and/or UM-St. Louis is sent to the college or university the student plans to attend. The credits are honored with limited exceptions because they are sent, at a student's request, as transfer credits from one university to another.

At present St. Pius X offers college course electives in English, Math, Social Studies, Theology, and Spanish. Students participating in the program should have the ability, motivation and maturity to begin their college education in advance of high school graduation.

PREREQUISITE:s for the college courses are listed in the curriculum guide.

STUDENT CLASSIFICATION:

In order to acquire the necessary 28 credits to graduate, the following student classification system is in effect:

TO BE A FRESHMAN, a student must have passed the 8th grade or must have successfully made up failures in summer school.

TO BE A SOPHOMORE, a student must have passed all required Grade 9 courses and have merited at least 7.000 credits and have completed 25 service hours.

TO BE A JUNIOR, a student must have passed all required Grade 10 courses and have merited at least 14.000 credits and have completed 50 service hours.

TO BE A SENIOR, a student must have passed all required Grade 11 courses and have merited at least 21.000 credits and have completed 75 service hours.

TO BE A GRADUATE, a student must have passed all required Grade 12 courses and have merited at least 28.000 credits, and have a minimum of 100 service hours.

Seniors who do not pass all required Grade 12 courses, who do not have at least 28 credits, and have not completed 100 service hours will not be allowed to participate in the graduation ceremony.

Students lacking overall credits to move on to the next grade level must make-up the necessary credits either at summer school or a correspondence course approved by the principal.

COURSE PLACEMENT

Students at St. Pius are placed in courses according to results of standardized tests, department approval, and with parental approval. No change to a lower or higher ability level in a given course will be made without consulting both student and parents and without permission of the principal. If it becomes necessary to remove a student from a course for reasons other than ability level, the principal will be the final judge in this matter.

ABILITY LEVELING

HONORS LEVEL COURSES are designed to challenge students.

COLLEGE CREDIT COURSES, in conjunction with St. Louis University and University of Missouri-St. Louis, merit actual college credits and are offered to students who have proven exceptional

ability and effort in specific fields and who meet requirement criteria.

DEPARTMENT RECOMMENDATION and/or APPLICATION are required for some courses, including all honors courses, before the student is allowed to register.

Policies for Change of Schedule

Changes may be initiated for the following reasons:

- 1) Scheduling error
- 2) Inappropriate course level
- 3) Graduation requirements
- 4) Health considerations
- 5) Teacher recommendation

The following procedure will be followed in considering schedule changes:

- Meet with the registrar
- Written permission from parents, faculty member from whose class the student is withdrawing and/or enrolling, and Principal
- Payment of \$25.00 fee for course registration change—this applies to all changes requiring clerical adjustments
- If a student wishes to drop a course and add a different one, the request must be made on or before the completion of the first cycle of classes. Change requests after that time must be initiated by the teacher.
- No request will be honored which involves a change from one section of a course to another section

GRADE EQUIVALENTS

A	92.5-100%
B	84.5-92.49%
C	76.5-84.49%
D	69.5-76.49%
F	0-69.49%

SEMESTER COURSE FAILURES in a required course, must be made up before the next school year begins. An elective course can be made up at St. Pius, if available, or at a principal-approved institution. All make-up courses are paid by the student. Make-up courses do not count toward GPA.

CREDIT is the value placed on a course. Subjects which meet six days per cycle merit one full credit per year. Subjects meeting six days per cycle for one semester or three days per cycle for a year yield one-half credit.

Courses available at St. Pius may not be taken elsewhere except in the case of a failed course.

GPA (GRADE POINT AVERAGE)

Grade points are calculated by the computer each semester. Grade points are not awarded in pass/fail courses, summer school courses (other than St. Pius courses), independent courses, summer enrichment programs, or make-up courses.

ENGLISH DEPARTMENT

The St. Pius X High School English Language Arts Department in alignment with the National Council of Teachers of English Standards would like the St. Pius graduates to have the “opportunities and resources to develop language skills they need to pursue life’s goals and to participate fully as informed, productive members of society.”

English Courses	Course Length	Freshman	Sophomore	Junior	Senior
Reading and Writing for High School	Sem 1	X			
Study on Literary Devices	Sem 2	X			
Reading and Writing for High School:Hon	Sem 1	X			
Study on Literary Devices:Hon	Sem 2	X			
Voice in Literature	Sem 1		X		
Voice in Literature & Writing	Sem 2		X		
Literary Study on Identity Formation:Hon	Sem 1		X		
Analysis and Application:Hon	Sem 2		X		
American Literature	Sem 1			X	
Modern American Novel	Sem 2			X	
American Literary Masterpieces:Hon/CC	Year			X	
Early British Lit	Sem 1				X
Modern British Novels	Sem 2				X
Composition & Literary Types:Hon/CC	Year				X
Film Appreciation	Either Sem				X

ENG01 READING AND WRITING FOR HIGH SCHOOL

GRADE 9 required ½ CR SEM
 PREREQUISITE: none

The course includes the practice of writing strategies (pre-writing, brainstorm techniques, graphic organizers, revision and editing) to complete various short essays: personal essay, reflection and analysis, cause and effect, and reader reaction. Vocabulary, mechanics, and sentence structure are emphasized through a review of rhetoric and grammar as well as

through the practice of standardized test-taking strategies and skills.

ENG02 STUDY ON LITERARY DEVICES

GRADE 9 required ½ CR SEM
 PREREQUISITE: none

The core of this course is a survey of World Literature with an emphasis on the introduction of literature of various genres both classic and contemporary. Literature will include short stories, poetry, drama, novels, and non-fiction selections.

ENG03 READING AND WRITING FOR HIGH SCHOOL:HON

GRADE 9 required ½ CR SEM
PREREQUISITE: 85 percentile on Standardized tests

The course includes the practice of writing strategies (pre-writing, brainstorming techniques, graphic organizers, revision and editing) to complete various short essays: personal essay, reflection and analysis, cause and effect, and reader reaction. Vocabulary, mechanics, and sentence structure are emphasized through a review of rhetoric and grammar as well as through the practice of standardized test-taking strategies and skills.

ENG04 STUDY ON LITERARY DEVICES:HON

GRADE 9 required ½ CR SEM
PREREQUISITE: 85 percentile on Standardized tests

The core of this course is a survey of World Literature with an emphasis on the introduction of literature of various genres both classic and contemporary. Literature will include guided and independent reading of short stories, poetry, drama, novels, and non-fiction selections with the focus on interpretation and analysis.

ENG05 VOICE IN LITERATURE

GRADE 10 required ½ CR SEM
PREREQUISITE: ENG01 & ENG02 or equivalent

English II builds upon the skills taught in English I by continuing the study of literature and literary devices with a primary focus on Voice. An advanced study on Voice requires students to identify different forms of voice in Literature (passive, active, narrative, etc.). A survey of both classic and contemporary genres includes guided

and independent readings of short stories, poetry, drama, novels, and non-fiction. Each selection read represents different examples of Voice. Students analyze how Voice is shaped by historical and societal influences and then make cross-textual connections in both writing and class discussions. Additionally, the analysis of how voice effects tone is analyzed and students discuss using the Socratic Method.

The practice of writing strategies (pre-writing, brainstorm techniques, graphic organizers, revision and editing) are introduced and then applied to various essays formats including reflection and analysis, cause and effect, and reader reaction.

Vocabulary, mechanics, and sentence structure are emphasized through a review of rhetoric and grammar as well as through the practice of standardized test-taking strategies and skills.

ENG06 VOICE IN LITERATURE & WRITING

GRADE 10 required ½ CR SEM
PREREQUISITE: ENG05 or equivalent

ENG 06 builds upon the skills taught in ENG 05 by concentrating on a thematic approach to reading and writing. The study of *Voice in Literature and Writing* focuses on setting, narration, and characterization. Students continue to chart voice through multiple literary genres and discuss how voice influences the mood and meaning of a text.

In addition to a close reading of *Voice in Literature*, students focus on the development of their voice in writing and how this changes based on purpose and audience. Skills taught focus on thesis writing, outlining, conducting valid research and using proper parenthetical documentation (MLA format).

Both formal and informal writing modes are used to demonstrate learned skills and include: expository, persuasive, journalistic and creative writing. The course concludes with a formal research essay and class debate.

**ENG07 LITERARY STUDY ON IDENTITY
FORMATION:HON**

GRADE 10 required ½ CR SEM
PREREQUISITE: ENG03 & ENG04 or equivalent
and teacher recommendation

Honors Sophomore English is intended for students with advanced skills in reading, writing, vocabulary, and grammar. Students will continue to develop and enhance their literary analysis and critical thinking skills through a focused study on identity formation. Students analyze how identity is formed by studying characterization and setting from both classic and modern world literature. Students compare characters and analyze how different experiences, family relationships and historical context can shape identity. Course units are thematic and require students to make cross-textual connections in writing and formal class discussions. Topics include: The American Dream, War, Gender, Age, Religion, Relationships, Mental Health, and Social Climate. In addition to novels, students will read a variety of short stories, poems, scholarly articles and blogs.

Technical reading and writing skills are emphasized. Students will write several formal and informal selections ranging from reflection journals, dialectical journal to multi-paragraph research papers. Skills acquired focus on collegiate level writing and the importance of thesis development, structure, organization, valid research and proper parenthetical citation using MLA.

ENG08 ANALYSIS AND APPLICATIONS:HON

GRADE 10 required ½ CR SEM
PREREQUISITE: ENG04 or equivalent and
teacher recommendation

English 08 builds upon skills taught in English 07 by continuing a literary study of identity

formation. Semester two focuses primarily on applying knowledge learned in semester one by developing an awareness and understanding of their own unique identity formations. Topics covered in novels, short stories, poetry and scholarly articles include: *heroism, innocence and experience, the individual and the community, the pursuit of happiness, ambition, family, loyalty and God*. A course goal is to develop positive self-worth while providing lessons on the importance of being life-long learners who seek to make positive contributions in our world. Additionally, skills needed for transitioning to upper level and collegiate classes are covered and include: formal and informal research, valid versus invalid arguments, fundamentals of discourse, rhetoric and reasoning, inter and intra-personals skills, metacognition awareness and public speaking do's and don'ts. Students write a series of formal and informal pieces ranging from reflective and response journals to analytical papers and formal reports. The semester concludes with a Project-Based Learning unit on Future Plans and cover: college selection and alternative options, fields of study and subsequent career options. Students will display their findings in a multi-tiered classroom project that culminates with a student directed in-house college fair.

ENG09 AMERICAN LITERATURE

GRADE 11 required ½ CR SEM
PREREQUISITE: ENG009 or equivalent

This course is a survey of American Literature of various genres, both classic and contemporary. Literature will include short stories, poetry, drama, novels, and non-fiction selections. Students will read stories and novels that pertain to aspects of the American experience. Students will also explore issues in modern culture from movies, films, and media outlets. The course includes ACT reading strategies, grammar usage as it pertains to the

ACT, vocabulary building, and writing and advanced composition writing.

Students write persuasive essays in response to the arguments of others—taking positions, applying clear criteria and then supporting their positions with evidence from literature or other sources. The goal of the course is for students to learn to write with controlled purpose and tone.

ENG10 MODERN AMERICAN NOVEL

GRADE 11 required $\frac{1}{2}$ CR SEM
PREREQUISITE: ENG010 or equivalent

The course traces the development of the American novel from 1900 to the present. Placing examples of the genre within the changing social, artistic, political and historical patterns of the 20th-century United States; the survey includes the modernist voices of such writers as Fitzgerald, Hemingway, Faulkner, Salinger and Hurston. Topics will also be explored through supplemental source material including song lyrics, poems, short stories, film and academic journals.

Students read literature while considering experiments in language and form. The course stimulates discussion and writing about values and predicaments which are—or appear to be—uniquely American and contemporary. Students develop insight into present day life and literature through thoughtful analysis of timely topics.

Students write essays appropriate to particular audiences. In each essay, students develop an expository thesis, as well as two or more sub-points in support of that thesis. Students learn to use rhetorical modes such as comparison-contrast, cause-effect, analogy and classification. In their essays students present different forms of evidence from personal experience and reading.

In addition, ACT test prep skills are emphasized through simulating a practice test environment.

Students then review answers and discuss how and why certain answers are “better” and how to identify correct answers quickly and accurately during a timed-test. Metacognition awareness and tips for test readiness are shared and discussed.

ENG11 AMERICAN LITERARY MASTERPIECES:HON/CC

GRADE 11 required 1 CR YR
PREREQUISITE: ENG08 and teacher recommendation. 3 hours of college credit available requires minimum GPA of 3.0 on a 4.0 scale

Students in this course will meet the requirements of the Advanced College Credit Program at the University of Missouri-St. Louis. Students receive credit for UMSL’s “American Literary Masterpieces” course. This course is taught in a seminar style with emphasis on student-generated topics and questions for discussion – not a simple lecture. The emphasis is on work by American writers from the colonial age up to contemporary works. The course starts with Puritan writings and “The Crucible”. The class then works its way forward, moving through the Civil War era – Frederick Douglass, Walt Whitman, etc. – to the twentieth century, including *The Great Gatsby*, *Catcher in the Rye* – and ends with modern and contemporary works such as *Extremely Loud and Incredibly Close* and *The Glass Castle*. Contemporary novels taught in the class are subject to change. Studies of literature are enhanced by viewing classic and modern film adaptations of major novels as well as serving as the central text themselves. Students write essays in a variety of genres and practice rhetorical strategies to produce works at the college level. Emphasis is on drafting and revision to produce written works that employ strong use of writing conventions and rhetoric to complete essays in the following genres:

personal, persuasive, literary analysis, and research.

ENG12 EARLY BRITISH LITERATURE

GRADE 12 required ½ CR SEM
PREREQUISITE: ENG10

The core of this semester is a survey of early British Literature with an emphasis on interpreting and responding to literature in all major genres (short story, poetry, drama, and novels). This semester will cover early medieval works, such as stories of Arthur and the Knights of the Round Table, through the writings of William Shakespeare in the Renaissance. Rhetorical strategies are stressed to develop complex essays in various genres including personal reflection, literary analysis, literary criticism, and reader response writings.

ENG13 MODERN BRITISH NOVELS

GRADE 12 required ½ CR SEM
PREREQUISITE: ENG12

This semester focuses on mainly novels and short stories of modern British Literature and investigating how they build on the writings from the earlier ages of British Literature. We will cover the short stories of Arthur Conan Doyle's Sherlock Holmes (along with more modern interpretations), the mystery writing of Agatha Christie, all the way up to modern novels such as *Atonement* and *Curious Incident of the Dog in the Night-time*. We will continue the writing strategies we employed in our reflections, analysis, and criticisms from the first semester through the second semester as well. There is a heavier emphasis on seminar-style discussion rather than simple lectures and reading comprehension.

ENG14 COMPOSITION AND LITERARY TYPES:HON/CC

GRADE 12 required 1 CR YR
PREREQUISITE: ENG011 and teacher recommendation. 6 hours of college credit available requires minimum GPA of 3.0 on a 4.0 scale

Students in this course will meet the requirements of the Advanced College Credit Program at the University of Missouri-St. Louis. Students can receive credit for UMSL's "Introduction to Literature" course and "First-Year Writing" course. This course is taught in a seminar style with emphasis on student-generated topics and questions for discussion – not a simple lecture. The core of this course is a survey of British Literature with emphasis on interpreting and responding to literature in all major genres (short story, poetry, drama, and novels). Rhetorical strategies are employed to develop complex essays in various genres including literary analysis, literary criticism, and opposing viewpoints papers. Major authors/texts in this course: *Beowulf*, *Sir Gawain and the Green Knight*, Shakespeare's "Macbeth", Bram Stoker's *Dracula*, Agatha Christie, Arthur Conan Doyle, and various contemporary novels such as *Atonement* and *Curious Incident of the Dog in the Night-time*.

ENG15 FILM APPRECIATION

GRADE 12 elective ½ CR SEM
PREREQUISITE: none

Film is a popular, informative and fun class. The students watch a variety of films usually by genre (action, horror, biography, romantic comedy, teen coming of age, western, documentary, etc.), learning about the history of each as we go. Students also are exposed to the elements of filmmaking such as editing, direction, acting, set design, music, etc. They also

read a variety of film reviews. The students write essays, do study guides and conduct personal interviews.

FINE ARTS DEPARTMENT

The St. Pius X High School Fine Arts Department would like the St. Pius graduates to have an “aesthetic awareness, cultural exposure, creativity, improved emotional expression, as well as social harmony and appreciation of diversity”

Fine Arts Courses	Course Length	Freshman	Sophomore	Junior	Senior
Fundamentals of Drawing and Design	Sem 1	X	X	X	
Creative Strategies	Sem 2	X	X	X	
French Impressionism:Landscapes	Sem 1		X	X	X
Ceramics:Pre-Columbian Pottery	Sem 2		X	X	X
Portraits:The Human Head:Hon	Sem 1		X	X	X
Ceramics:Contemporary Pottery:Hon	Sem 2		X	X	X
Modern to Current Isms:Hon	Sem 1			X	X
Sculpture:Assemblage:Hon	Sem 2			X	X
Innovations:Proposal & Project:Hon	Sem 1				X
Accomplishment:Portfolio & Exhibition:Hon	Sem 2				X
Chorus	Yr or sem	X	X	X	X
Concert Choir:Hon	Year		X	X	X
Beginning Band	Year	X	X	X	
Concert Band	Year	X			
Concert Band:Hon	Year		X	X	X
Jazz Band:Hon	Year			X	X
Music and Culture:H/CC	Either Sem			X	X
Music Tech	Either Sem			X	X

FAS01 FUNDAMENTALS OF DRAWING AND DESIGN

GRADE 9-11 elective ½ CR SEM
 PREREQUISITE: none

The emphasis of this first semester course is drawing the still life using the formal elements that make up a composition. The technique used is, “Drawing from Observation.” Design elements, such as contour, perspective, relationships, proportion and shading will be stressed. Drawing pencils, charcoal,

sketchbooks, both art gum and kneaded erasers are required. The students will begin compiling a 9 X 12 inch sketchbook containing exercises and examples of design principles. The students will maintain the book throughout all four years of the art program. The sketchbook provides a place for journaling, thumbnail and preliminary sketches; ultimately generating creativity and critical thinking. Students are encouraged to take a full year of art courses if they plan to take additional art classes over the next 3 years.

FAS02 CREATIVE STRATEGIES

GRADE 9- 11 elective ½ CR SEM
PREREQUISITE: none

This course focuses on the application of Design Principles taught in the first semester and how to incorporate them into artworks. Thus, giving the student an opportunity to further develop these new found skills with diverse media, such as painting and printmaking. Students are expected to incorporate drawing and design skills into the paintings and prints. The technique used is Illustration.

FAS03 FRENCH IMPRESSIONISM: LANDSCAPES

GRADE 10- 12 elective ½ CR SEM
PREREQUISITE: FAS02

This second level course is a Plein Aires (Painting in the Open Air) experience meant to further develop the students' sketching and painting techniques. This experience will take place both in the studio and on-site outdoors.

FAS04 CERAMICS: PRE-COLUMBIAN POTTERY

GRADE 10- 12 elective ½ CR SEM
PREREQUISITE: FAS02

Students will analyze Pre-Columbian Culture and its Pottery. The potter's wheel was unknown to this part of the world, so vessels were produced by hand or from molds. Utilitarian ware, often decorated with life-like figures of humans and animals, were especially popular. Pottery provided the Pre-Columbian craftsman with one of his main types of art, and the consequent variety and vitality of form and decoration exemplify this. Students will create utilitarian

ware of Pre-Columbian Design. The techniques explored are: pinch, coil, and slab.

FAS05 PORTRAITS: THE HUMAN HEAD:HON

GRADE-10-12 elective ½ CR SEM
PREREQUISITE: At least a "B" in FAS01 & FAS02
and recommendation

This second level Honors Course is a studio experience meant to further develop the art students' techniques and talents through Drawing and Painting the Human Head. The student also continues to develop his/her understanding of the Elements of Design. The Honors student is expected to demonstrate a higher technical skill, critical thinking level, and is graded with a more rigorous rubric.

FAS06 CERAMICS: CONTEMPORARY POTTERY:HON

GRADE 10- 12 elective ½ CR SEM
PREREQUISITE: At least a "B" in FAS02 and
recommendation

Pottery is a distinctive form of artistic expression that possesses unique utilitarian attributes. In contrast, Contemporary Art is generally accepted as being occupied with purely aesthetic concerns. Potters are unique artists, in the sense they are concerned not only with aesthetic issues, but also utility. – Kevin A. Huich. The artworks created in this course, become a unique coexistence of Contemporary Art, and Functional/Sculptural Pottery.

FAS07 MODERN TO CURRENT ISMS:HON

GRADE 11- 12 elective ½ CR SEM
PREREQUISITE: FAS05 and recommendation

Early Avant-Garde to all the Isms that make up Artistic Pluralism are the movements examined in this junior honors course. Assignments are

designed to improve individual style and inspire the student-artist to consider the influencing factors behind the work of art he/she is creating. The factors explored are social attitudes, cultural view of the art form, perceptual skills (awareness and experience), recognition of formal elements and principles of design, knowledge of specific symbols, associations with personal experience, historical significance, judgment and evaluation of his/her work.

FAS08 SCULPTURE: ASSEMBLAGE:HON

GRADE 11- 12 elective ½ CR SEM
PREREQUISITE: FAS06 and recommendation

Assemblage is a form of sculpture comprised of "found" objects arranged in such a way that they create a piece of art. These objects can be anything organic or man-made. Scraps of wood, stones, old shoes, baked bean cans and a discarded baby buggy - or any of the other 84,000,000 items not here mentioned by name - all qualify for inclusion in an assemblage. The students are challenged to repurpose the clutter in his/her attic, garage and/or basement, all for the sake of art.

FAS09 INNOVATIONS: PROPOSAL/PROJECT:HON

GRADE 12 elective ½ CR SEM
PREREQUISITE: FAS08 and recommendation

The student will be asked to write a proposal for an art project chosen from, but not exclusive to, the culmination of methods and media experienced in the prior 3 years. The proposal is written in the form of a Web Quest that includes an introduction of subject matter, task, process, and content/ meaning behind the work. The Project must challenge the student's audience to look at life in a new and innovative way. The

Project is to be completed by the end of first semester.

FAS10 ACCOMPLISHMENTS: PORTFOLIO & EXHIBITION:HON

GRADE 12 elective ½ CR SEM
PREREQUISITE: FAS09 and recommendation

This course is a portfolio preparation class for students desiring admission into the art department of a college or university. The student-artists work in a wide range of techniques and mediums, in order to exhibit their talents, abilities and individual styles. The resultant up-to-date portfolio will be of a quality that can be presented with confidence. The portfolio is usually comprised of fifteen to twenty works and is completed by the end of April.

A juried senior show concludes the visual art experience at St. Pius X High School.

FAS11 CHORUS

GRADE 9-12 elective 1 CR YR
PREREQUISITE: none

Chorus is a group performance class. It is not necessary to have a trained voice for this class. Music reading and sight singing are taught along with proper singing posture, basic tone production and diction. The chorus performs standard high school choral literature together in concert at the end of each semester. Attendance at public performances is required.

FAS12 CHORUS

GRADE 9-12 elective ½ CR SEM
PREREQUISITE: none

Chorus is a group performance class. This course is the one semester version of the full year

chorus class. It is not necessary to have a trained voice for this class. Music reading and sight singing are taught along with proper singing posture, basic tone production and diction. The chorus performs standard high school choral literature together in concert at the end of each semester. Attendance at public performances is required.

FAS13 CONCERT CHOIR:HON

GRADE 10-12 elective 1 CR YR
PREREQUISITE: audition

Concert Choir is an advanced group performance class. Singers should have had basic voice instruction and should possess basic sight-singing skills. Students must pass a vocal audition consisting of pitch-matching, tonal memory and basic sight singing in order to be admitted to the class. The Concert Choir performs advanced high school choral literature and provides music for all Masses and Liturgies at St. Pius X. Advanced tone production, sight singing, rhythm reading and diction will be taught. The group performs frequently during the school year at various school functions such as Open House, Awards Ceremonies, Concerts and Competitions. Attendance at all performances is required.

FAS14 BEGINNING BAND

GRADE 9-11 elective 1 CR YR
PREREQUISITE: none

Students in Beginning Band will learn to play the fundamental instruments of the brass and woodwind families. We assume the beginning band student has no prior musical experience. We start at the very beginning. Instruments included in the course are flute, oboe, clarinet, saxophone, French horn, trumpet, trombone, baritone horn, euphonium, tuba, string bass and,

when possible, percussion. Tone production, music reading, proper posture and embouchure are stressed. The band learns to play using the Essential Elements Band Course. An innovative computer based home practice system, Smart Music, is available for purchase which contains a built in practice system for everything we do in the course. This is highly recommended for all students. The Band performs in concert at the end of each semester. Attendance at public performances is required.

FAS15 CONCERT BAND

GRADE 9 elective 1 CR YR
PREREQUISITE: students who demonstrate enough ability as judged by the instructor

The Concert Band performs contemporary concert music. Instruments included in the band are flute, oboe, Bb clarinet, Eb clarinet, bass clarinet, bassoon, alto saxophone, tenor saxophone, baritone saxophone, French horn, trumpet, trombone, baritone horn, euphonium, tuba, string bass and percussion. Advanced scales, rhythms and arpeggios are taught through the Scale Etude Book. An innovative computer based home practice system, Smart Music, is available for purchase which contains a built in practice system for everything we do in the course. Concert Band performs frequently during the school year at various school functions such as Open House, Awards Ceremonies, Concerts, Competitions, and Graduation. The band performs in concert at the end of each semester. This class requires regular practice and presence at all public performances.

FAS 16 CONCERT BAND:HON

GRADE 10-12 elective 1 CR YR
PREREQUISITE: students who demonstrate enough ability as judged by the instructor

The Concert Band performs contemporary concert music. Instruments included in the band are flute, oboe, Bb clarinet, Eb clarinet, bass clarinet, bassoon, alto saxophone, tenor saxophone, baritone saxophone, French horn, trumpet, trombone, baritone horn, euphonium, tuba, string bass, and percussion. Advanced scales, rhythms and arpeggios are taught through the Scale Etude Book. An innovative computer based home practice system, Smart Music, is available for purchase which contains a built in practice system for everything we do in the course. Concert Band performs frequently during the school year at various school functions such as Open House, Awards Ceremonies, Concerts, Competitions, and Graduation. The band performs in concert at the end of each semester. This class requires regular practice and presence at all public performances.

FAS17 JAZZ BAND:HON

GRADE 11-12 elective 1 CR YR
PREREQUISITE: audition and knowledge of instrument as judged by the instructor

The class will play standard high school jazz literature the grade 2-3 range. Class members will perform original improvisations on blues-based material. Jazz Band performs frequently during the school year at various school functions such as Open House, Awards Ceremonies, Concerts, and Competitions. The Jazz Band performs in concert at the end of each semester. Attendance is required at all concerts. All students must also be enrolled in

Concert Band or Beginning Band unless they have the permission of the teacher.

FAS18 MUSIC TECHNOLOGY

GRADE 11-12 elective ½ CR SEM
PREREQUISITE: none

Students will compose short instrumental pieces in Garage Band that conform to standard musical forms. Forms will include: AB, ABA, Rondo and Sonata Allegro. Projects will include setting a poem to a video slide show with a soundtrack composed by the student using Garage Band. Students will do the voiceovers of the selected poem. Students who play instruments will be able to record themselves to add to the sound loops available on the computer.

FAS19 MUSIC AND CULTURE: A WORLD PERSPECTIVE:HON/CC

GRADE 11-12 elective ½ CR SEM
PREREQUISITE: 3.0 GPA

In this class, students will thoroughly learn the elements of music and how music is used in cultures throughout the world. We will be studying the music (and culture) of various areas throughout the world. The prerequisites for this class are the same as any other 1818 class. No musical background is necessary.

MATHEMATICS DEPARTMENT

The St. Pius X High School Mathematics Department in alignment with the Common Core State Standards in Mathematics would like the St. Pius graduates to “learn an ambitious common foundation of mathematical ideas and applications” for the workplace and/or for the pursuit of further study in mathematics and science.

Math Courses	Course Length	Freshman	Sophomore	Junior	Senior
Algebra I	Year	X			
Algebra I:Hon	Year	X			
Geometry	Year		X		
Geometry:Hon	Year	X	X		
Algebra II	Year		X	X	
Algebra II:Hon	Year		X	X	
Advanced Math/Trig	Year			X	X
Precalculus:Hon	Year			X	X
Calculus:Hon/CC	Year				X
Probability & Statistics	Sem 1				X
Discrete Math	Sem2				X

MTH01 ALGEBRA I

GRADE 9 required 1 CR YR
 PREREQUISITE: none

The goal of this course is to master topics in algebra and to communicate these topics through four representations: graphic, contextual, number, and equation. These topics include properties of real numbers, solving and graphing linear equations and inequalities, writing linear equations, solving systems of linear equations and inequalities, simplifying radicals, properties of exponents, solving quadratics equations, simplifying polynomials, and factoring polynomials. Along with being able to work out problems, student will be assessed with quizzes, tests, homework assignments, reading strategies, and critical thinking problems. **It is recommended that**

students have either a TI83 or TI 84 calculator.

MTH02 ALGEBRA I:HON

GRADE 9 required 1 CR YR
 PREREQUISITE: minimum 85th percentile on standardized test

The goal of this course is to master topics in algebra and to communicate these topics through four representations: graphic, contextual, number, and equation. These topics include properties of real numbers, solving and graphing linear equations and inequalities, writing linear equations, solving systems of linear equations and inequalities, simplifying radicals, properties of exponents, solving quadratics equations, simplifying polynomials, and factoring polynomials. Along with being

able to work out problems, student will be assessed with quizzes, tests, homework assignments, reading strategies, and critical thinking problems. Algebra I honors is more writing intensive than Algebra I, and students are given a more rigorous workload with a faster pace that includes more in-class projects and complex problem-solving tasks. **It is recommended that students have either a TI83 or TI 84 calculator**

MTH03 GEOMETRY

GRADE 10 required 1 CR YR
PREREQUISITE: MTH 01 or equivalent

This course is designed so that all students can understand geometry. It focuses on key topics that provide a strong foundation in the essentials. Concepts are presented in a straightforward manner, supported by frequent worked-out examples. Questions within the lessons give students a way to check their understanding as they go along. Many opportunities are given to practice and maintain skills, as well as to apply concepts to real-world problems.

MTH04 GEOMETRY:HON

GRADE 9-10 required 1 CR YR
PREREQUISITE: Soph MTH02 and teacher recommendation, Freshman Alg I and minimum 85th percentile on standardized test

This course brings geometry to life with many real-life applications such as those applied to sports, engineering, carpentry, etc. It teaches the concepts and methods that students need to know in order to meet high curriculum standards and succeed on high-stakes tests.

MTH05 ALGEBRA II

GRADE 10-11 required 1 CR YR
PREREQUISITE: MTH03 or MTH04

This course includes solving and graphing linear, quadratic, and polynomial equations. Real life applications are contained in each lesson. Investigations include finding the linear relationship of the distance a toy car will go when rolled down ramps of varying heights and how the apparent size of an object varies directly with the distance one is away from it. Also studied are functions, systems of equations, radicals and exponents.

MTH06 ALGEBRA II:HON

GRADE 10-11 required 1 CR YR
PREREQUISITE: MTH03 or MTH04 and teacher recommendation

Included in this course is solving and graphing linear, quadratic, and polynomial equations. Real life applications are included with each lesson. Investigations include mathematical modeling. Also studied are functions, systems of equations, rational, equations, radicals and exponents. Complex extensions of most topics are included. **A TI 83 or TI 84 graphing calculator is required.**

MTH07 ADV MATH/TRIG

GRADE 11-12 elective 1 CR YR
PREREQUISITE: MTH05 or MTH06

This course provides a solid foundation for success in college mathematics. It builds on what was learned in Algebra. Students will learn about functions and their graphs as well as exponential and logarithmic functions. The second semester will focus on trigonometry, both circular and triangular. Students will graph trigonometric functions and solve equations and

identities. Applications include finding heights of tall objects, distance, bearings and the effect of a force on an object.

MTH08 PRECALCULUS:HON

GRADE 11-12 elective 1 CR YR
PREREQUISITE: "B" average in MTH06 and recommendation

Calculus is easy. The algebra in calculus is what makes it hard! Students are prepared for calculus by reviewing and furthering the concepts they learned in their algebra classes. Included is solving and graphing cubic, quadratic, exponential and logarithmic functions. The second semester focuses on trigonometry, both circular and triangular. Students will graph the six trigonometric functions and solve equations and identities. Applications include finding the height of objects, distance, bearings and the effect of a force on an object. **A TI-83 or TI-84 graphing calculator is required.**

MTH09 CALCULUS:HON/CC

GRADE 12 elective 1 CR YR
PREREQUISITE: "B" average in MTH08, 3.0 GPA on a 4.0 scale, and recommendation.

What is the universe changes?
Answer: Everything! Calculus allows us to measure that change in a well organized, well defined manner called differentiation. The opposite of differentiation is integration which is the second major topic of this course. Integration has many real-world applications as well, including calculating volume, work, centers of mass, fluid force, etc. Finally, high achieving math students are rewarded for their years of hard work by receiving an answer to that age old question—when am I ever going to use this? Four college credits are possible during second semester. **A**

TI-83 or TI-84 graphing calculator is required.

MTH10 PROBABILITY & STATISTICS

GRADE 12 elective ½ CR SEM
PREREQUISITE MTH05 or MTH06

This class takes a basic approach to the study of Statistics and Probability. Students in this class will learn to collect and organize data by hand and with the assistance of technological equipment. They will calculate measures of central tendency and measures of variation. They will explore data analysis. The study of Probability follows where students will learn various counting techniques, how to calculate simple, compound, and binomial probabilities, how to use probability distribution graphs. This class requires the use of a graphing utility along with other forms of technology.

MTH11 DISCRETE MATHEMATICS

GRADE 12 elective ½ CR SEM
PREREQUISITE MTH05 or MTH06

Discrete mathematics applies math to the real world. In discrete math we create models for things that happen in the world around us, like group decision making. Topics include fairness, matrices, graph theory, recursive modeling, and logic. Discrete mathematics provides excellent models and tools for analyzing real-world phenomena that change abruptly and that lie clearly in one state or another. This is a good course for students who would like to broaden their background in the STEM field before going off to college.

PRACTICAL ARTS DEPARTMENT

The Practical Arts Department of St. Pius X High School provides an extensive and comprehensive program that provides relevant, authentic, and real-life learning experiences. The department is committed to preparing students for a rapidly changing world by expanding each student’s knowledge, experience, and skills in business and computer technology. We believe the knowledge, skills, and ethics taught are essential for dynamic, life-long participation in a global and informational society—promoting success in one’s personal life, college study, and career choice. Our goal is to restructure the course offerings to include information and skills that are relevant and authentic and applicable to experiences our students will face now and in the post-secondary world.

Practical Arts Courses	Course Length	Freshman	Sophomore	Junior	Senior
Digital Citizenship	Year		X		
Personal Finance	Either Sem			X	X
Digital Media	Either Sem			X	X
Coding	Either Sem			X	X
Accounting I	Sem 1			X	X
Accounting II	Sem 2			X	X
Marketing	Either Sem			X	X
Yearbook	Year			X	X
Yearbook:Hon	Year				X

PRA01 DIGITAL CITIZENSHIP

GRADE 10 required ½ CR SEM
PREREQUISITE: none

Students will learn how to represent themselves responsibly, safely, and ethically in a digital environment. Students will learn how to appropriately use technology and the nine elements of digital citizenship. Students will learn privacy laws and privacy issues in regards to social media. Students will also learn how to properly use social media to make themselves appealing to colleges and future employers. Specific social media that will be discussed: Facebook, Twitter, and Instagram.

PRA02 PERSONAL FINANCE

GRADE 11-12 required ½ CR SEM
PREREQUISITE: none

Students will learn how to handle economics in everyday life. Topics to be covered include career choices, types of bank accounts, handling credit including loans and credit cards, planning for retirement, paying for college, and investments. These are necessary life skills that all consumers should know.

PRA03 DIGITAL MEDIA

GRADE 11-12 ½ CR SEM
PREREQUISITE: PRA01

Audio editing, PowerPoint presentations, iMovie, digital photography enhancements, 3D designs, web page creation and object oriented programming are incorporated into this class. The students will work at their own pace on projects and sometimes with another student. The students will have a basic understanding of different digital media by the end of this course.

PRA04 CODING

GRADE 11-12 ½ CR SEM
PREREQUISITE: PRA01

Coding is an introduction to the theory and practice of computer programming. Students will gain an understanding of what code is and how it works. This class is an excellent first course for someone who is interested in programming. Students will focus on object-oriented programming utilizing programs such as the MIT program SCRATCH, App Inventor, or Game Salad. Students will be introduced to a variety of programming languages with an emphasis on HTML.

PRA05 ACCOUNTING I

GRADE 11-12 ½ CR SEM
PREREQUISITE: PRA01

The course will provide students, who are interested in the daily activities of owning or managing a business, with a strong foundation in basic accounting principles. Students will learn what business transactions are and how accountants use a double-entry system (debits and credits) to keep track of these transactions. Students will study the complete accounting cycle of recording transactions, preparing

financial statements, and "closing the books" for small, single-owner service and merchandising businesses. This course prepares students for post-secondary accounting courses.

PRA06 ACCOUNTING II

GRADE 11-12 ½ CR SEM
PREREQUISITE: PRA05

This second semester course is career oriented and is designed for those students hoping to pursue an accounting or related business career. Students will start to understand generally accepted accounting principles, budgeting, inventory and supply management, depreciation, account management, and basic tax rules. Students will review the basic accounting principles learned in Accounting I and will build upon those principles. Corporate accounting is the basis of the study of financial accounting, however, we will also consider the areas of Managerial, Cost, and Tax accounting.

PRA07 MARKETING

GRADE 11-12 ½ CR SEM
PREREQUISITE: PRA01

This course will cover all of the basic elements of marketing in real-world business environments. The class will be mainly project based and will provide students with the opportunity to write proposals and make business-level presentations. Advanced computer applications emphasized in this course.

PRA08 YEARBOOK

GRADE 11-12 1 CR YR
PREREQUISITE: Application and teacher
recommendation

The members of this class will design all elements of the yearbook, including cover design or selection, page layouts, copywriting, and photography. There will be extensive use of technology for publication, including digital cameras and photo editing software and yearbook production software. In addition, students will create a Senior slideshow.

PRA09 YEARBOOK:HON

GRADE 12 1 CR YR
PREREQUISITE: Application and teacher
recommendation

In addition to designing all elements of the yearbook, including cover design or selection, page layouts, copywriting, and photography, the members of this class will plan and schedule all deadlines for yearbook production. They will train and mentor Junior members of the class and prepare formal lessons and activities to promote development of skills. Additionally, seniors will manage the yearbook budget by ensuring that production schedules are met and sales are completed.

SCIENCE DEPARTMENT

The St. Pius X High School Science Department in alignment with the National Science Content Standards would like the St. Pius graduates to realize “the important thing in science is not so much to obtain new facts as to discover new ways of thinking about them” (William Lawrence Bragg).

Science Courses	Course Length	Freshman	Sophomore	Junior	Senior
Physical Science	Year	X			
Physical Science:Hon	Year	X			
Biology	Year		X		
Biology:Hon	Year		X		
Chemistry	Year			X	
Chemistry:Hon	Year			X	
Anatomy/Physiology:Hon	Year			X	X
Physics:Hon	Year			X	X
Engineer and Design	Sem 2			X	X
Animal Behavior	Sem 1			X	X
Forensic Science	Sem 2			X	X
Astronomy	Sem 1			X	X

SCI01 PHYSICAL SCIENCE

GRADE 9 required
PREREQUISITE: none

1 CR YR

To organize the understanding and investigating of the world, science has been divided into separate fields of study such as physics, chemistry, biology, and Earth Science. All these fields are related and information from one field often leads to developing new ideas in a different field. This course integrates these fields of science using an investigative approach with real life situations to come to an understanding of the basics of science.

SCI02 PHYSICAL SCIENCE:HON

GRADE 9 required
PREREQUISITE: minimum 85th percentile in Science and Reading on standardized test

1 CR YR

To organize the understanding and investigating of the world, science has been divided into separate fields of study such as physics, chemistry, biology, and Earth Science. All these fields are related and information from one field often leads to develop new ideas in a different field. This course integrates these fields of science using an investigative approach with real life situations to come to an understanding of the basics of science. In depth inquiry will lead to more advanced knowledge of these four topics.

SCI07 HUMAN ANATOMY/ PHYSIOLOGY:HON

GRADE 11-12 1 CR YR
PREREQUISITE: "B" IN SCI04, SCI06 and teacher recommendation

This course examines the structure and function of the human body. It will serve as an introduction to advanced biological topics and prepare any student for college study of biology or health and medicine. It is a fast-paced course that requires memorization of many anatomical and medical terms as well as a deep understanding of the concepts related to normal and pathological functioning of the body. Students will learn anatomy by examining and dissecting animal organs such as the brain, spinal cord, eye, and heart. A full dissection of a cat that will include all body systems and organs will be required. Students will further their knowledge with laboratory work that will focus on the physiology or functions of the various body systems, including muscular function, reflexes, sense perception, circulatory fitness, and urine filtration.

SCI08 PHYSICS:HON

GRADE 11-12 1 CR YR
PREREQUISITE: "B" IN SCI04, SCI06 and teacher recommendation

Students taking Physics will enter the fascinating world of the mathematical laws that govern the universe. The laws will be applied to solving problems involving motion, shooting projectiles, amusement park rides, collisions, sound, optics, light and electrical circuits. Students will perform experiments on each topic, collecting and organizing data in order to analyze information. This course is an AP course. Students will be able to take the AP exam at the end of the course. A score of 3, 4, or 5 on the

exam will provide the student with possible college credits for this class.

SCI09 ENGINEERING AND DESIGN

GRADE 12 ½ CR SEM
PREREQUISITE: MTH01, SCI05 or equivalent

This Engineering and Design course serves to introduce students to the fields of mechanical, electrical, and computer engineering as well as the design process and professional communication and collaboration methods. Students will develop skills in research and analysis, teamwork, engineering graphics and problem solving through activity, project and problem based learning. Topics to be explored throughout the course include: design process, sketching, construction, CAD (computer aided design) modeling, reverse engineering, and engineering ethics.

SCI10 ANIMAL BEHAVIOR

GRADE 11-12 ½ CR SEM
PREREQUISITE: SCI05 or equivalent

This course relates evolution to the adaptation of animals to the environment. It shows how the characteristics of organisms and environmental factors influence animal behaviors such as sexual selection, bird migration, honeybee dancing, dolphin communication sounds, bat echolocation, and predator/prey relationships. Lab work includes field observational projects about chosen topics in animal behavior.

SCI11 FORENSIC SCIENCE

GRADE 11-12 ½ CR SEM
PREREQUISITE: SCI05 or equivalent

This half-year elective course provides an introduction to the topics of criminology within

the field of forensic science. Study includes the applications of concepts from the areas of biology, chemistry, physics and geology to analyze and investigate evidence that may be discovered in a criminal investigation. Classroom activities include experiments, projects, case studies and the incorporation of technology.

SCI12 ASTRONOMY

GRADE 11-12 ½ CR SEM
PREREQUISITE: SCI05 or equivalent

This course will provide the student with an introduction to the concepts of modern astronomy and a fundamental study of the universe. The course will focus on the three main fields of stellar, planetary, and interstellar astronomy. Topics to be studied within these fields include stars, planets, moons, the Milky Way and other galaxies, and deep space phenomena such as black holes, quasars, and supernovae. Although largely descriptive, the course will occasionally require the use of sophomore level mathematics.

SOCIAL STUDIES DEPARTMENT

The St. Pius X High School Social Sciences Department in alignment with the National Council of Social Studies Content Standards would expect students to “experience the study of how people create and change structures of power, authority, and governance.”

Social Studies Courses	Course Length	Freshman	Sophomore	Junior	Senior
Civics	Sem 1	X			
Civics:Hon	Sem 1	X			
Ancient Civilizations	Sem 2	X			
Ancient Civilizations:Hon	Sem 2	X			
World History 1500-1800	Sem 1		X		
World History 1500-1800:Hon	Sem 1		X		
World History 1800-Present	Sem 2		X		
World History 1800-Present:Hon	Sem 2		X		
American History to 1865	Sem 1			X	
American History to 1865:Hon/CC	Sem 1			X	
American History 1865-Present	Sem 2			X	
American History 1865-Present:Hon/CC	Sem 2			X	
American Politics:Hon/CC	Sem 1				X
American Foreign Policy:Hon/CC	Sem 2				X
Current Issues	Sem or Year			X	X
Psychology	Either Sem				X
Modern American History Seminar	Either Sem				X

SST01 CIVICS

GRADE 09 required ½ CR SEM
 PREREQUISITE: none

This course provides an in-depth study of our government and democracy in action with an emphasis on how the actions of the federal, state, and local government as well as actions by citizens affect our daily lives. In order to examine the role of government in our lives, we will study the U.S. Constitution, Bill of Rights, and Missouri Constitution and integrate current events and issues as they relate to our government and democracy in action. At the end of this semester, students will be informed on

how our government works and be empowered to be a part of our democracy.

SST02 CIVICS:HON

GRADE 09 required ½ CR SEM
 PREREQUISITE: minimum 85th percentile in Reading on standardized tests

This course provides an in-depth study of our government and democracy in action with an emphasis on how the actions of the federal, state, and local government as well as actions by citizens affect our daily lives. In order to examine the role of government in our lives, we will study the U.S. Constitution, Bill of Rights, and

Missouri Constitution and integrate current events and issues as they relate to our government and democracy in action. At the end of this semester, students will be informed on how our government works and be empowered to be a part of our democracy.

SST03 ANCIENT CIVILIZATIONS

GRADE 09 required $\frac{1}{2}$ CR SEM
PREREQUISITE: none

This course begins with the study of the ancient civilizations. Students will discover special people, events and inventions that have helped to shape and change their world. Students will be able to participate in role-playing activities throughout the semester to bring history to life and make it more relevant to our lives.

SST04 ANCIENT CIVILIZATIONS:HON

GRADE 09 required $\frac{1}{2}$ CR SEM
PREREQUISITE: minimum 85th percentile in Reading on standardized tests

This course begins with the study of the ancient civilizations. Students will discover special people, events and inventions that have helped to shape and change their world. Students will be able to participate in role-playing activities throughout the semester to bring history to life and make it more relevant to our lives. Honors Civics/Ancient Civilizations students will take a more in-depth approach to the topics covered with Socratic seminars and additional papers and projects required. In addition students will engage in historical source readings, analysis and discussion.

SST05 WORLD HISTORY 1500-1800

GRADE 10 required $\frac{1}{2}$ CR SEM
PREREQUISITE: SST03 or equivalent

This course is a continuation of Ancient History starting at 1500 A.D. and progressing to the 1800s with special emphasis on the Renaissance and Protestant Reformation, the emergence of modern nations, the Enlightenment, Scientific, Commercial, and French Revolutions.

SST06 WORLD HISTORY 1500-1800:HON

GRADE 10 required $\frac{1}{2}$ CR SEM
PREREQUISITE: SST04 or equivalent and teacher recommendation

This course is a continuation of Ancient History starting at 1500 A.D. and progressing to the 1800s with special emphasis on the Renaissance and Protestant Reformation, the emergence of modern nations, the Enlightenment, Scientific, Commercial, and French Revolutions. Honors students will take a more in-depth approach to the topics covered with Socratic seminars and additional papers and projects required. In addition students will engage in historical source readings, analysis and discussion.

SST07 WORLD HISTORY 1800-PRESENT

GRADE 10 required $\frac{1}{2}$ CR SEM
PREREQUISITE: SST05 or equivalent

This course is a continuation of World History starting at 1800 A.D. and progressing to the Twentieth Century. Special emphasis will be placed on the Congress of Vienna, the Industrial Revolution, both World Wars, and the challenges facing the world in the modern era.

SST08 WORLD HISTORY 1800-PRESENT:HON

GRADE 10 required $\frac{1}{2}$ CR SEM
PREREQUISITE: SST06 and teacher recommendation

This course is a continuation of World History starting at 1800 A.D. and progressing to the

Twentieth Century. Special emphasis will be placed on the Congress of Vienna, the Industrial Revolution, both World Wars, and the challenges facing the world in the modern era. Honors students will take a more in-depth approach to the topics covered with Socratic seminars and additional papers and projects required. In addition students will engage in historical source readings, analysis and discussion.

SST09 AMERICAN HISTORY TO 1865

GRADE 11 required $\frac{1}{2}$ CR SEM
PREREQUISITE: SST07 or equivalent

This course will survey American History from the Colonial Period to the Civil War. The emphasis will be on studying basic topics in American History such as the Colonial Era, the War for Independence, launching a New Nation, through an Era of Growth and Disunion leading to Civil War. Films such as "The Crucible," "John Adams," "The Patriot," and "Glory," will be shown to supplement class work. Special emphasis will be given to developing writing skills through assignments such as book critiques, thesis papers, and biography comparisons.

SST10 AMERICAN HISTORY TO 1865: HON/CC

GRADE 11 required $\frac{1}{2}$ CR SEM
PREREQUISITE: SST08, teacher recommendation, and minimum GPA of 3.0 on a 4.0 scale

This course will cover major topics in United States history from the Colonial Period to the Present. First semester topics will include the Growth of the American colonies, the American Revolution, the developments of the concepts of Nationalism and Sectionalism, and how they contributed to the Civil War. Course activities will include the use of primary sources, several

Socratic seminars, and a study of the historiography of several events such as the American Revolution and the Civil War. Three college credit hours per semester are available through St. Louis University.

SST11 AMERICAN HISTORY SINCE 1865

GRADE 11 required $\frac{1}{2}$ CR SEM
PREREQUISITE: SST09 or equivalent

This course will survey American History from Reconstruction to the emergence of Modern America. The emphasis will be on studying basic topics in American History such as Reconstruction, World War I, the 1920s, and the Great Depression, World War II and its aftermath and the Cold War. Films such as "Tuskegee Airmen," and "Saving Private Ryan" will be shown to supplement class work. Special emphasis will be given to developing writing skills through assignments such as book critiques, thesis papers, and biography comparisons.

SST12 AMERICAN HISTORY SINCE 1865: HON/CC

GRADE 11 required $\frac{1}{2}$ CR SEM
PREREQUISITE: SST10, teacher recommendation, and minimum GPA of 3.0 on a 4.0 scale

This course will cover major topics in United States history from the Post Civil War era to the Present. Topics include Reconstruction, Gilded Age, the two World Wars, and Modern America from 1945-Present. Course activities will include the use of primary sources, several Socratic seminars, and a study of the historiography of several events. Three college credit hours per semester are available through St. Louis University.

readings. Present foreign policy issues will be examined throughout the semester. Three PolySci college credit hours are available for this course through UMSL.

SST13 AMERICAN POLITICS:HON/CC

GRADE 12 ½ CR SEM
PREREQUISITE: SST12, teacher recommendation, and minimum GPA of 3.0 on a 4.0 scale

This course is a general survey of the United States governmental system. Students will read deTocqueville's Democracy In America to learn about a Frenchman's view of the United States democratic system. Another main concept to be studied will be civil liberties with an emphasis on the Bill of Rights. A third major concept will be a study of various topics in American Politics such as the role of the media, special interest groups, the electoral process, and the relationship between the three branches of government. Three PolySci college credits are available for this course through UMSL.

SST14 AMERICAN FOREIGN POLICY 1945 - PRESENT:HON/CC

GRADE 12 ½ CR SEM
PREREQUISITE: SST13, teacher recommendation, and minimum GPA of 3.0 on a 4.0 scale

This course will study the role of the United States as a major world power, factors that influence the formation and the execution of United States foreign policy, and its relations with foreign countries after WWII. Emphasis will be placed on analysis of specific foreign policy concepts such as containment, brinkmanship, flexible response, and détente. The study of these policies will be supplemented by films and primary source

SST15 CURRENT ISSUES

GRADE 11-12 ½ CR SEM
PREREQUISITE: none

This course explores critical domestic and foreign issues facing the nation and the world. Students will use internet sites and outside reading material to investigate and discuss topics being debated by U.S. citizens and lawmakers about some of today's important concerns on a national and international level. This course will help students make informed decisions in an election, learn what it means to be a liberal vs. a conservative, and state an opinion or take a stand on an issue so that they will be able to do so from an informed perspective. Possible topics include constitutional rights, crime and drugs, health care, sports, social media, gun control, and other issues relevant to our lives and society.

SST16 PSYCHOLOGY

GRADE 12 ½ CR SEM
PREREQUISITE: none

This course explores the influences of society on individual behavior and group relationships and the practical problems of everyday life. Topics include abnormal behavior, states of consciousness which include sleep, sleep disorders, dreams, hypnosis and meditation, Stress and the Teenager, Infancy and Childhood development, Adolescence and personality development. A number of interesting audio-visual presentations will be used, such as Sybil and The Breakfast Club to supplement the

material. Lab Reports and Case Studies will be examined.

“Brother, Can You Spare A Dime” is shown while the students read *Hard Times*. Contemporary films such as “Ghosts of Mississippi,” “Platoon,” and “All The President’s Men “ are shown.

SST17 MODERN AMERICAN HISTORY SEMINAR

GRADE 12 ½ CR SEM
PREREQUISITE: none

This course covers several main topics of Twentieth Century America from 1929-Present. Those topics include the Great Depression, The Civil Rights movement from 1954-1968, the Vietnam War, and the Nixon Presidency and Watergate. There is no textbook. Students will read a novel for each topic. These novels include Hard Times for the Great Depression, Black Like Me for The Civil Rights Movement, Rumor of War for the Vietnam War, and All The President’s Men for the Nixon Presidency. Also there will be several films shown to supplement each novel. For example,

SST18 CURRENT ISSUES

GRADE 11-12 1 CR YR
PREREQUISITE: none

This course explores critical domestic and foreign issues facing the nation and the world. Students will use internet sites and outside reading material to investigate and discuss topics being debated by U.S. citizens and lawmakers about some of today’s important concerns on a national and international level. This course will help students make informed decisions in an election, learn what it means to be a liberal vs. a conservative, and state an opinion or take a stand on an issue so that they will be able to do so from an informed perspective. Possible topics include constitutional rights, crime and drugs, health care, sports, social media, gun control, and other issues relevant to our lives and society.

THEOLOGY DEPARTMENT

All students will take eight core Theology classes, a comprehensive study of the Catholic Church in which the student will study a variety of topics, including apologetics, related to the following major components: Scripture, Christology, Church, Sacraments, Morality, Social Justice, Vocation, Prayer, and Catholic Identity.

Theology Courses	Course Length	Freshman	Sophomore	Junior	Senior
The Living Word	Sem 1	X			
Jesus Christ	Sem 2	X			
Church	Sem 1		X		
Paschal Mystery	Sem 2		X		
Sacraments	Sem 1			X	
Morality	Sem 2			X	
Catholic Social Teaching	Sem 1				X
Vocations	Sem 2				X

COMMUNITY SERVICE: All students will be required to do 100 hours (25 hours per year required) of mandatory, unpaid community service while a student at St. Pius X. Service may be done during the summer or during the school year. Service plans must be approved by the service moderator and service completed must meet the program standards. Graduation is dependent on this service.

THEO1 THE LIVING WORD

GRADE 9 required ½ CR SEM
 PREREQUISITE: none

This course will give students a general knowledge and appreciation of Sacred Scripture. Through their study of the Bible they will encounter the Living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections and the books included in each section. An overview of the Old Testament will also be covered.

THEO2 JESUS CHRIST

GRADE 9 required ½ CR SEM
 PREREQUISITE: none

The students will continue their study on the mystery of Jesus Christ, the Living Word of God, Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation through the New Testament as well as Church Documents. In learning about who He is, the students will also learn who He calls them to be.

Throughout the semester we will begin an introduction to the Theology of the Body which focuses on the dignity of the human person and

human sexuality. This will be reinforced in all future courses.

THE03 CHURCH

GRADE 10 required ½ CR SEM
PREREQUISITE: none

This course will help the students understand ecclesiology: learning an understanding of the role of the Church in our lives as well as the nature and structure of the Church, including the divine and human elements therein. Founding the Church, passing it down through the Apostles and sustaining His living Body through the Holy Spirit until today, we encounter the living Jesus Christ now and forever.

THE04 PASCHAL MYSTERY

GRADE 10 required ½ CR SEM
PREREQUISITE: none

This course will help students understand all that God has done for us through His Son, Jesus Christ. Students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us in the events of the Passion, Crucifixion, Resurrection and Ascension. Students will continue to develop their role as a disciple of Christ through prayer and the Paschal Mystery in the life of the Church.

THE05 SACRAMENTS

GRADE 11 required ½ CR SEM
PREREQUISITE: none

The students will delve into the rites and rituals of Catholic liturgy. Students will then examine each of the Sacraments, with an emphasis on the Eucharist. The study of each Sacrament will include Scriptural roots and rites and rituals.

THE06 MORALITY

GRADE 11 required ½ CR SEM
PREREQUISITE: none

This course leads the students toward a deeper understanding of God's Law revealed to us through reason and Revelation. The course explores how Christ's life and teaching is the fulfillment of the Old Law summarized in the Ten Commandments. The morality covered in this course is the moral law in the Old Testament, Christ's moral teaching in the Gospels, and the moral teaching of the Church. The New Law of Christ calls us to go beyond keeping moral minimums and to love God, neighbor, and self with all our being. Christian morality is about response to God's love by living in full communion with God and others. Theology of the Body is also taught in light of the sixth and ninth Commandments

THE07 CATHOLIC SOCIAL TEACHING

GRADE 12 required ½ CR SEM
PREREQUISITE: none

This course is an overview of Catholic Social Justice. This includes an explanation of the Church's Social Justice teachings and how we, as Catholics, respond to: poverty, racism, war and peace, right to life, etc. The Papal Encyclicals, Documents from the USCCB, and Sacred Scripture will be the basis of study for these topics. The Themes of Social Justice: The Dignity of the Human Person, The Call to Family, Community and Participation, Rights & Responsibilities, Preferential Option for the Poor and Vulnerable, The Dignity of Work and Workers, Solidarity and Care for the Earth will be studied.

THE08 VOCATIONS

GRADE 12 required

½ CR SEM

PREREQUISITE: none

This course leads the students toward a deeper understanding of God's call in the life of his people, the Church, and in each of our own personal lives. The course explores foundational concepts integral to an understanding of vocation as God's call and our response within the lay life, married life as well as a consecrated life. The course is centered on important questions and concepts about the meaning of vocation.

WELLNESS DEPARTMENT

Wellness Department at St. Pius X High School provides a safe, disciplined, and encouraging environment for students to improve fitness level and self-esteem, develop the mind, body, and spirit, learn strategies for a healthy life, and practice self-discipline, cooperation, teamwork and leadership.

Wellness Courses	Course Length	Freshman	Sophomore	Junior	Senior
Wellness	Year	X			
Fitness	Year		X		
Crossfit	Year			X	
Drug Education	Year			X	
Martial Arts:Hon	Sem 2				X
Lifetime Fitness:Hon	Sem 1				X

PED01 WELLNESS

GRADE 9 required 1 CR YR
 PREREQUISITE: none

What is healthy? Are you healthy? These questions will be answered in ways you never thought possible during this course. This course is focused on both physical and emotional wellness. Wellness is designed to build a foundation of proper exercise, nutrition and character. Students will engage in supervised strength training, plyometric training, speed training and agility training, in order to achieve better fitness. Not only will students learn about health and fitness, they will also learn skills that will assist them in high school and college. The students will learn about goal-setting and explore future career choices as they discover more about themselves. Incoming freshmen also need to transition into a technological environment. The course will introduce the key skills to make the transition go smoothly. Students will learn essential skills such as desktop publishing, spreadsheets, and multimedia presentations. Alongside these practical applications, students will learn

research strategies and how to evaluate information resources.

PED02 FITNESS

GRADE 10 required ½ CR YR
 PREREQUISITE: PED01

What is your fitness level? Do you need help with achieving your fitness goals? Do you want to get faster, stronger, more explosive? You have come to the right place (St. Pius Gym and Weight Room). We are here to push you to your best. Sign up and buckle up for the ride of your life. Race you to the finish line!

PED 03 CROSSFIT

GRADE 11 required ½ CR YR
 PREREQUISTE PED02

Cross Fitness is a strength and conditioning program that is designed to develop a lifelong love of fitness. In a group setting, students will participate in fun and engaging workouts that deliver measurable results. The workouts consist of constantly varied, functional movements that deliver a fitness that is broad, inclusive and

general that can be adjusted for any level. The course may be taken for Honors credit if certain criteria are met.

PED04 MARTIAL ARTS:HON

GRADE 12 elective ½ CR SEM
PREREQUISITE: teacher recommendation

Could you protect yourself or others if someone really wanted to cause harm? Are you a Worrier who needs to become a Warrior. You will learn and develop basic techniques from Boxing, Wrestling, Karate, Jujitsu, and Judo. By focusing on self-defense, physical fitness, and other life skills such as respect and self-discipline you will accomplish things you never thought possible.

PED05 DRUG EDUCATION

GRADE 11 required ½ CR YR
PREREQUISITE: none

Edgar Allen Poe, Johnny Cash, First Ladies Betty Ford and Pat Nixon and Elvis! What do they all have in common? Drug addiction! Perhaps at no other high school in the entire United States will you find another course like this one! Imagine a semester long, required, graded, credited course solely devoted to educating teenagers about the myriad of issues surrounding drugs! Imagine learning the history of drugs and drug use going

back thousands of years and then furthering this understanding by correlating the past to the present! Imagine better comprehending the addictive disease process and how this impacts the people our St. Pius students care about! Extensive time and many different teaching methods are used to explore in depth our young people's main drug of choice, this thing, this beast, called Alcohol! Then, it is on to marijuana and cocaine and heroin and ecstasy . . . This course is not just a presentation of facts. The material and issues unfold and are made relevant to each and every student. Why doesn't every high school offer a class like this one? St. Pius has for 34 years.

PED06 LIFETIME FITNESS:HON

GRADE 12 elective ½ CR SEM
PREREQUISITE: A in Crossfit, 85 percent or higher on all fitness tests, 3 rm of good on strength standards for back squat, bench press and hang clean, teacher recommendation

Congratulations! You have conquered the "Karen" and "Fran" Crossfit workouts. You are among the fittest students in the school. It is time to explore ways to remain fit for a lifetime.

WORLD LANGUAGES DEPARTMENT

The St. Pius X High World Languages Department in alignment with the American Council on the Teaching of Foreign Languages would like the St. Pius graduates to have the opportunities and resources to become “linguistically and culturally equipped to communicate successfully in a pluralistic American society and abroad.”

World Languages Courses	Course Length	Freshman	Sophomore	Junior	Senior
Spanish I	Year	X	X	X	
Spanish I:Hon	Year	X			
Spanish II	Year		X	X	X
Spanish II:H	Year		X		
Spanish III:Hon/CC	Year			X	
Spanish IV:Hon/CC	Year				X

FLN01 SPANISH I

GRADE 9-11 required 1 CR YR
 PREREQUISITE: scores on standardized tests in reading and English

Spanish I is an introduction to the Spanish language and Hispanic cultures. Targeted skills include listening comprehension, reading comprehension, writing, speaking, pronunciation, grammar knowledge and use, vocabulary knowledge and use, geography of the Spanish-speaking world, and cultural awareness. A basic working knowledge of the Spanish language should be achieved by the end of this course.

FLN02 SPANISH I:HON

GRADE 9 required 1 CR YR
 PREREQUISITE: minimum 85th percentile on standardized test in reading and English

Spanish I is an introduction to the Spanish language and Hispanic cultures. Targeted skills include listening comprehension, reading comprehension, writing, speaking,

pronunciation, grammar knowledge and use, vocabulary knowledge and use, geography of the Spanish-speaking world, and cultural awareness. By the end of this course, students should achieve a beginner’s knowledge of the Spanish language. The content and assessments of this course are more rigorous.

FLN03 SPANISH II

GRADE 10-12 required 1 CR YR
 PREREQUISITE: FLN01 or equivalent

Spanish II is a continuation of Spanish I. Targeted skills include listening comprehension, reading comprehension, writing, speaking, pronunciation, grammar knowledge and use, vocabulary knowledge and use, geography of the Spanish-speaking world, and cultural awareness. By the end of this course, students should achieve a beginner’s intermediate knowledge of the Spanish language.

FLN04 SPANISH II:HON

GRADE 10 required 1 CR YR
PREREQUISITE: FLN02 with at least a grade of "B" or FLN01 with a grade of "A" and teacher recommendation.

Spanish II is a continuation of Spanish I. Targeted skills include listening comprehension, reading comprehension, writing, speaking, pronunciation, grammar knowledge and use, vocabulary knowledge and use, geography of the Spanish-speaking world, and cultural awareness. By the end of this course, students should achieve a beginner's / intermediate knowledge of the Spanish language. The content and assessments of this course are more rigorous.

FLN05 SPANISH III:HON/CC

GRADE 11 elective 1 CR YR
PREREQUISITE: FLN04 with a grade of "A" or "B" and teacher recommendation or FLN03 with a grade of "A" and teacher recommendation. 5 hours of college credit available requires minimum GPA of 3.0 on a 4.0 scale

Spanish III is a continuation of Spanish II. Targeted skills include listening comprehension, reading comprehension, writing, speaking, pronunciation, grammar knowledge and use, and vocabulary knowledge and use. By the end of this course, students should achieve an intermediate / advanced knowledge of the Spanish language. More emphasis will be given to Spanish culture and increasing proficiency in the language. Independent study and reading will be required. Course requires intensive memorization and application of language skills. Available for college credit.

FLN06 SPANISH IV:HON/CC

GRADE 12 elective 1 CR YR
PREREQUISITE: FLN05 with a grade of "A" or "B" and teacher recommendation. 5 hours of college credit available requires minimum GPA of 3.0 on a 4.0 scale

Spanish IV is a continuation of Spanish III. Targeted skills include listening comprehension, reading comprehension, writing, speaking, pronunciation, grammar knowledge and use, and vocabulary knowledge and use. By the end of this course, students should achieve an advanced knowledge of the Spanish language. This course will refine and complete the study of Spanish grammar and continue working on fluency, proficiency and accuracy. Spanish literature will include literary short stories and poetry, and the arts will be examined along with other cultural studies. A practice college placement test will be offered. Course requires intensive memorization and application of language skills. Available for college credit.