



***SUMMER COURSE
DESCRIPTIONS***

2019-2020

Summer Session 1 Offerings

Summer Honors Physics

Prerequisites: Rising Junior or Senior standing; grade of "B+" or above in current Honors level math.

In this laboratory-based course, students will experience an in-depth, mathematically-oriented description of kinematics, energy, heat, light, electricity, and magnetism. Students learn the basic motions of the universe and the equations that describe them. Experiments will be performed which include interpretation of the results, observations, and activities which involve the assessment of experimental errors and uncertainties. This course is designed for the student who excels in mathematics and has a deep interest in scientific methods and pertinent experimental investigations.

Honors Human Anatomy and Physiology

Prerequisites: Rising Junior or Senior standing; "B+" or above in Honors Biology and Honors Chemistry, or "A" in Academic Biology and Academic Chemistry. Department Chair and Human Anatomy teacher approvals are required.

This course is designed to provide the student with an in-depth study of human anatomy and physiology. The relationship between form and function is stressed throughout the entire course. Students will be expected to apply general information in clinical case studies. Laboratory experiences are emphasized and will include mandatory dissections.

Summer Honors Statistics/Probability

Prerequisites: Rising Junior or Senior standing; an average of at least an "A" in Algebra 2 or current math course, or an average of at least a "B" in Honors Algebra 2 or current math course, with Department approval.

This course is intended as an elective. The course develops the students' ability to gather, organize, interpret and present data related to problem-solving or decision-making situations. Topics covered include frequency distributions, graphs and charts, measures of central tendency, normal distribution, standard deviation, probability theory and problem solving.

Medical and Legal Etymology and Linguistics

Prerequisites: Rising Sophomore, Junior or Senior standing

This course explains the language of medicine and law through its etymological roots and linguistic traits. Classical languages form the base and linguistic style of medical and legal terminology. This course instructs students in the key vocabulary and word building techniques from the ancient languages. Students then use the knowledge of the material to analyze and deconstruct modern terminology for comprehension.

Summer Honors French 2

Prerequisites: An average of "B" or better in French 1 and teacher recommendation.

This course is a continuation of the study of the French language and a further exploration of the diverse cultures in the Francophone world. It is designed to further develop and enhance students' language proficiency through vocabulary expansion, grammar drills, and continued oral/aural practice to improve fluency. A variety of activities, including literary and cinematic excerpts will enhance students' mastery of French. Students can expect regular assessments, including quizzes, tests, projects, and a final exam.

Summer Honors Italian 2

Prerequisites: An average of "B" or better in Italian 1 and teacher recommendation.

This course is designed to further develop the students' knowledge of the Italian language. This course will build on their previously learned vocabulary and introduce them to new grammar topics. Students will build their speaking, listening, writing and reading skills through a variety of activities.

Summer Honors Spanish 2

Prerequisites: An average of "B" or better in Spanish 1 and teacher recommendation.

This course is designed to enhance the four basic language skills by stressing grammatical principles and focusing on the development of speaking fluency and vocabulary. Students will improve their basic reading, writing and conversational abilities with the active use of the language in the four areas of language development: listening comprehension, speaking expression, reading, and writing. There will be quizzes each day of the course, as well as two exams, a final cumulative exam and a culminating project.

Introduction to American Sign Language (ASL)

Prerequisites: Rising Sophomore, Junior and Senior standing.

This elective is perfect for students wishing to learn about the Deaf culture in the United States. This introductory course will teach students about the history of the Deaf community and its unique method of communication. In this course, students will be immersed in sign language using teacher modeling, technology, partner work and small group practice. Daily quizzes, classroom participation, a written final exam, a practical final exam, and a cumulative project will be required in this course.

Summer Session 2 Offerings

Academic Biology

Prerequisite: Rising Sophomore standing.

This course is devoted to the study of living things and their processes. The course provides the students with an opportunity to develop scientific skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Study and laboratory investigations are inquiry-based. Critical thinking skills will be encouraged and developed. Topics include ecology, structure and chemistry of the cell, cellular transport, genetics, evolution, and human body systems.

Summer Honors Calculus

Prerequisites: Successful completion of Honors Pre-Calculus/Trigonometry with current teacher approval or Pre-Calculus/Trigonometry with Department and Administration approval.

This course is intended for students who have completed Honors Pre-Calculus/Trigonometry, but whose foundation is not as strong as needed for success in AP Calculus. Through the use of technology, as well as analytic methods, this course deals with the foundations of Calculus and its applications, especially those applications concerned with business and the biological and social sciences. Upon successful completion of this course, the student will have the necessary background to succeed in Calculus at the college level.

Summer Honors Geometry

Prerequisites: An average of at least a "B" in Honors Algebra 1 or Honors Algebra 2, or a consistent "A" in Algebra 1 or Algebra 2, as well as teacher and Department approval.

This progressive course is geared toward students of above-average mathematical ability. It presents the fundamental properties of Euclidean geometry, writing of proofs independently by means of logic, solid and coordinate geometry with respect to similarity and congruence, and teaches writing of analyses in algebraic form to arrive at a solution. It also introduces some trigonometry of right angles. Critical thinking skills are emphasized.

Creative Expressions

Prerequisites: Rising Junior or Senior standing; Department Chair approval.

Creative Expressions is a course for the interested writer to explore her creativity. It is important to nurture the imagination of our burgeoning writers in a venue devoted exclusively to the creative temperament. After exploring the literary conventions, techniques, and devices of poetry, the short story, and drama with subsequent reading and analysis of examples from each genre, the student will compose her own original work in each division. Ultimately, the student will assemble her work throughout the summer for either an individual portfolio or for a class compendium.

Summers Honors American Government

Prerequisites: Rising Senior standing; Prospective students must have a "B" or higher in American History.

Students will explore the complicated inter-workings of the American Government. The course will be divided into six segments: the Constitution and America's political roots; Congress: Committees and how a Bill becomes a Law; the Presidency; the Supreme Court and "checks and balances"; the modern media and the importance of voting and other civic duties; a case study of the Election of 2016 and its implications on our governmental system.

Law and Justice

Prerequisites: Rising Junior or Senior standing.

The focus of this course is the study of the U. S. legal system at the local/state and at times federal level. The course is open to students who have an interest in the law. An emphasis will be placed on criminal law, and civil law. Current legal issues will be a regular part of the course content. The course may include virtual visits to courtrooms, guest attorneys to speak to the class, and mock trials. Students in this course will study law that they may encounter in their actual lives, interactions with police, resolving civil disputes, as well as their rights and responsibilities in their daily lives as U.S. citizens.

Honors Psychology

Prerequisites: Rising Senior standing. Department Chair and History teacher approval required.

Students will explore the inner workings of the mind in order to better understand behavior and mental processes. Students will be encouraged to answer the question: "Why are people the way they are?" In order to do this, the course will be divided into five weekly segments: The History/Science of Psychology, Biological Basis of Behavior, Cognition & Memory, Lifespan Development & Personality, and Mental Health & Treatment. This course models that of an introductory level college course, therefore, there is a large emphasis on reading, writing, and discussion.

Women in Theology

Prerequisites: Theology I. This course will be offered to Rising Sophomores, Juniors and Seniors standing.

This course can serve as an elective for those wanting to discover how biblical women, female saints, and contemporary female social justice activists have influenced the church in the world. It seeks to help young girls discern how they are personally called to be women of the church well into their adulthood. Exploring the lives of biblical women can lead girls to an understanding of the roles that their fore-mothers played in communities of faith from the ancient Hebrews to the early Church. Studying the lives of female saints can lead girls to understand that all women are called to sainthood – to be the best version of themselves through acquiring the virtues needed to live a holier life and develop a personal relationship with God. Examining the lives of contemporary female social justice activists can help young girls to view the world differently, to acknowledge those marginalized in society, find the cause they are most passionate about, and go out and make a difference to alleviate the plight of those less fortunate.

A Message from the Principal

January 2019

Dear Parent/Guardian,

This year we are offering two Summer Course Sessions. If your daughter meets the criteria to attend either session please understand the rigor and dedication necessary for completing a full-year course in six weeks. Also, vacations may not be taken during the six-week program due to the progressive pacing. No exceptions will be granted to this policy.

Upon successful completion of the program, the student will receive one full credit for the course. Grades recorded for either summer session will be visible on the 2019-2020 report cards.

Summer Session 1 will run from June 3rd through July 12th (excluding July 4th and 5th). Summer Session 2 will run from July 15th through August 21st.

Students may wear comfortable clothing. Textbooks will be provided to each student. A syllabus and supply list will be provided to all students in May.

In order to enroll in a Summer Course you must first have the teacher sign off on the form below, indicating that you meet the criteria. The cost for the course is \$1000.00. A deposit of \$250.00 is required to hold your seat for a summer course and is due by February 1, 2019. The balance of \$750.00 will be due on or before May 23, 2019. All checks should be made payable to "Villa Joseph Marie High School". Please complete the information requested below and return with your payment to the attention of Ms. Tina Schuster, in the main office.

The administration at Villa Joseph Marie High School reserves the right to decline a student from enrolling in BOTH summer sessions during the same year. In addition, should a student successfully pass a summer course, in any summer session, during their tenure at Villa, they may opt to take a STUDY during either her Junior year or her Senior year.

We look forward to working with your daughter this summer! If you have any questions, please feel free to contact me.

NOTE: The school reserves the right to cancel courses for which there is insufficient enrollment, lack of facilities, or unavailability of teaching personnel. If a course is cancelled, the student will be notified and asked to make another choice.

Thank you!

Mrs. Lauren Carr
Principal
lcarr@vjmhs.org

Student's Name: _____ Parent's Name: _____

Student's Signature: _____ Parent's Signature: _____

Recommending Teacher's Signature: _____ Course _____ Session _____

Student Email: _____ Parent Email: _____

Contact Number (Primary): _____ Additional Number: _____

(FOR OFFICE USE ONLY)

Deposit: \$250.00 Date Paid: _____ Ck# _____ Balance: \$750.00 Date Paid: _____ Ck# _____

Paid in Full \$1000 Date Paid: _____ Ck# _____

Session 1 _____ Course _____ Session 2 _____ Course _____