

# **2022 - 2023 New Course Descriptions**

## **(Elective Courses)**

### **ART**

#### **3D- SCULPTURE**

**Grade 10 - 12**

**Full Year-1 Credit**

**weight 1.00**

**Prerequisite: Studio Art, Creative Crafts, Design and Drawing for Production.**

**Description:**

The goals of the course is to familiarize students with the principles, methods and fundamentals of creating 3-D art. Students will explore the areas of drawing and planning ,color theory, sculpture with clay, wood, metal wire, paper mache and 3-D printing.

### **BUSINESS**

#### **VIRTUAL ENTERPRISES**

**Grade 11 - 12**

**Full Year-1 Credit**

**weight 1.00**

**Description:**

Virtual Enterprises International is an in-school entrepreneurship program and global business simulation. This is a student-centered course in which the teacher serves as a facilitator as the students develop a simulated business to compete with other high schools throughout the world in the online Virtual Enterprises marketplace. The simulated business will replicate all of the functions and demands of a real business in both structure and practice, including product development, production, distribution, marketing, sales, human resources, finance, and accounting. Students may be eligible to obtain college credits from St. John's University for the successful completion of this course.

#### **BLUE WAVE NEWS**

**Grade 10 - 12**

**Co-requisite: Digital Generation**

**Half Year-½ Credit**

**weight 1.00**

**Description:**

This course is an introduction to the fundamentals of video production and focuses on the skills needed to produce a television news program. Emphasis is on the function and operation of equipment to achieve basic broadcast production skills. Students in this course also contribute to production of the school television news show, Blue Waves News. This course is recommended for students planning to enter the fields of communications, marketing or journalism.

**DIGITAL GENERATION**

**Co-requisite: Blue Wave News**

**Grade**

**10 - 12**

**Half Year-½ Credit**

**weight 1.00**

**Description:**

This course introduces advanced business computer applications that are essential in today's business environment. Students will learn how to utilize the power of the internet and social media to enhance their understanding of its relationship to successful business practices. Students will explore a number of topics including building a strong web presence, leveraging social media, creating and uploading video content, developing a personal brand, designing a web resume and creating professional marketing materials. Students will engage in a cross-district, multi-school collaborative project focusing on the creation of a positive and sustainable web presence and digital profile. Students may be eligible to obtain three (3) college credits from SUNY Stony Brook for the successful completion of this course.

**WALL STREET**

**Co-requisite: Career Financial Mgmt**

**Grade 10 - 12**

**Half Year-1/2 Credit**

**weight 1.00**

**Description:**

Imagine yourself being able to achieve all your dreams! This course will give you the opportunity to explore investment opportunities. Students will develop an introductory knowledge of the stock market (the ABC's of investing). We will also discuss stocks, mutual funds and 401(k) plans as retirement options. The use of current events is stressed. This knowledge is applied to the challenges of investing. Students will relate how economic and business principles affect investments through guest speakers, a stock market contest, and classroom activities.

**ENTERTAINMENT MARKETING**

**Co-requisite: Sports Marketing**

**Grade 10 - 12**

**Half Year-1/2 Credit**

**weight 1.00**

**Description:**

No matter what you find entertaining, marketing is a vital part of the industry! See how marketing influences people and how society is persuaded to spend their money! In this project-based class, you will create a new product, make advertisements, and design a new tourist attraction while applying marketing strategies learned in class. Students will also learn how marketers use colors and music to influence your spending. Come see how marketers get you interested in their products.

**SPORTS MARKETING****Co-requisite: Entertainment Marketing****Grade 10 - 12****Half Year-1/2 Credit weight 1.00****Description:**

Want to create your own sports team and compete against other teams in an on-line fantasy sports league? Students will learn the principles of marketing and apply them to sports projects. See how sports teams get your attention and how they target customers and develop marketing strategies. Students will create and market their own sports-related products. Students will have the opportunity to become the next George Steinbrenner or Jerry Jones by creating their own franchise—from designing the team's uniform to building a stadium.

**ENGLISH****FRESHMAN SEMINAR****Grade 9****Full Year-1 Credit****weight 1.00****Description:**

Freshman Seminar is designed to help students manage the social and academic challenges of high school. Students will learn important decision-making processes and organizational skills that will support them as they navigate the transition to high school.

Course topics include, but are not limited to:

- Realistic goal setting, Problem solving, Decision making, Time management, High School Code of Conduct, Study Skills/note-taking, Financial Literacy

**SCIENCE FICTION THROUGH THE AGES** **Co-requisite: Lit. of Supernatural****Grade 10 - 12****Half Year-1/2 Credit weight 1.00****Description:**

Science Fiction through the ages has been either a utopia or a warning. From short stories through the epic blockbusters, Science Fiction has explored where no man has gone before. This course will explore the beginnings of the genre—the problematic Frankenstein, Edgar Allen Poe, short stories to the writings of John W.Campbell, Ursula Le Guin, and other contemporary authors.

**INTRODUCTION TO THEATRE** **Co-requisite: Dramatic Literature****Grade 10 - 12****Half Year-1/2 Credit weight 1.00****Description:**

This course is designed to introduce students to the various elements of drama including design, direction, management, costuming, make-up, dramaturgy, dramatic criticism, and various playwrights. Students will begin by learning about the history of theater from ancient times through the modern era. There will be ample opportunities for interactive and creative projects. Students will have the opportunity to focus on the theater that interests them.

### **LITERATURE OF GENOCIDE**

**Grade 10 - 12**

**Alt days/Half Year-1/2 Credit weight 1.00**

**Description:**

This course will explore resilience in the face of adversity. Various groups of people such as victims, bystanders, perpetrators, upstanders, rescuers, and resisters will be studied through memoirs, poetry, film, short stories, and children's literature. The course will foster and understanding of the plights of people during genocides such as the Holocaust, Rwanda, Armenis, Darfur, and Bosnia, among others.

### **THE WOMAN'S EXPERIENCE**

**Grade 10 - 12**

**Alt days/Half Year-1/2 Credit weight 1.00**

**Description:**

This course will focus on the female perspective and experience. Students will examine texts that give voice to the female experience, providing an opportunity for critical analysis and discussion. Students will explore the experiences of women from diverse backgrounds including African American, Hispanic and Asian and other cultures and ethnicities that have been traditionally underrepresented in literature. By exploring these works through both a feminist and multicultural lens we will connect and identity with these stories, thus enhancing our understanding of ourselves and others. Students will examine these works and discuss them. Thereby witnessing the struggles , challenges, achievements, and triumphs that women have experienced. Students will be expected to read works independently, to actively participate and be able to engage in thoughtful and mature discussions .

## **HEALTH**

**CPR/AED/FIRST AID**

**Grade 10 - 12**

**Co-requisite: Stress Management**

**Half Year-1/2 Credit weight 1.00**

**Description:**

This course provides a basic understanding of the causes and effects of accidents in our lives. Prevention of accidents and emergency care are the primary focus including: Medical emergencies, Injury emergencies, Environmental emergencies, Adult CPR and AED use, First aid basics.

**STRESS MANAGEMENT \_\_\_\_\_ Co-requisite: CPR/AED/FIRST AID \_\_\_\_****Grade 10 - 12****Half Year-1/2 Credit    weight 1.00****Description:**

This course is designed to educate and build student awareness of stress and how it can impact an individual's quality of life. It will provide methods for identifying different types of stress, stressors and strategies to effectively manage them. Students will be able to construct a personalized lifestyle management program.

**SPORT PSYCHOLOGY \_\_\_\_\_ Co-requisite: Sports Management \_\_\_\_****Grade 10 -12****Half Year-1/2 Credit    weight 1.00****Description:**

This course is designed to provide students an overview of the psychology of coaching sports and participating in sport and exercise. Students will be introduced to the basics of psychology of the individual as well as group/team behavior. Topics will include motivation, pressure of winning and losing, communication, group cohesion/dynamics, leadership, reinforcement, and feedback as they relate to the sport & exercise context.

**SPORTS MANAGEMENT \_\_\_\_\_ Co-requisite: Sports Psychology****Grade 10 - 12****Half Year-1/2 Credit    weight 1.00****Description:**

This course is designed to introduce the field of Sport Management. Students will analyze high School and intercollegiate athletics, professional sports, sports marketing, facility management, sports law/agents and the financial components related to sports.

# MUSIC

## INTRODUCTION TO MUSIC AND CINEMA

Grade 10 - 12

Alt days/Half Year-1/2 Credit weight 1.00

### Description:

This course studies the history of music in cinematic productions, the basic concepts and terminology used to describe music and sound in cinema, techniques of audio-visual design, and the roles that music and sound play in the overall aesthetic effects in the cinema. The course studies music and sound in cinema from the earliest instances in the beginning of the 20th century to the most recent instances in the 21st century. No previous musical training is required.

## INTRODUCTION TO GUITAR

Grade 10 - 12

Alt days/Half Year-1/2 Credit weight 1.00

### Description:

Students will learn all about the electric guitar, including its parts and their functions, the basic care and maintenance of a guitar, how to hold a guitar, and use a plectrum (guitar pick) as well as how to tune a guitar. Students will study the history of the electric guitar and some of its most famous and innovative players including Les Paul, Jimi Hendrix, Edward Van Halen, Steve Vai, and many others. Curriculum will include chord charts, strum simple chords using various rhythms, and learn to play popular Rock and Roll guitar "riffs", as well as popular songs and ability to read guitar tablature and pick single note melodies to songs.

# SCIENCE

## BIOETHICS

Grades 10-12

Full Year 1 Credit

weight 1.00

### Description:

As a result of science and technology having an impact on our overall health and society, the implementation and continued use of innovations should be debated and discussed. In the last century, we have seen advances in technology to extend our lives, increase our food yields, grow our families, satisfy our curiosity, and even show our national superiority. This course will consider many sensitive issues. Student-led conversations will be the format of lessons conducted in an orderly manner for

students to gain experience in civil discourse, as well as, learn to examine a claim for fallacy. Examples of questions that will prompt and instill critical thought, such as , Do you know what a Test Tube Baby is? What was once the great controversy over Test Tube Babies? What is a GMO and why do people in some countries protest to keep them out of their marketplaces? Have you heard of Dr. Death? Is there ever a time to help someone die? Will be used to prompt discussion and debate. In using foundational question prompts, this course will help to calibrate student understanding of further advancements in the context of where it all started as related to the study of science. In addition, we will examine the nature of the bioethicist's job and education necessary to pursue this course of study beyond the high school experience.

**SPORTS SCIENCE** \_\_\_\_\_ **Co-requisite: Care and Prevention of Athletic Injuries**

**Grade 10 - 12**

**Half Year-1/2 Credit weight 1.00**

**Description:**

This introductory course offers students an opportunity to learn the technical and practical aspects of the field of Sports Science. This course includes career exploration, as well as the role physics, biomechanics, and physiology play in sports. Specific sports covered are (but not limited to): gymnastics, golf, figure skating, soccer, swimming, tennis, track and field, football, baseball, volleyball, basketball, and boxing.

**MARINE SCIENCE**

**Grade 10 - 12**

**Alt days/Half Year-1/2 Credit weight 1.00**

**Description:**

Students will explore the oceans and the ocean basins to learn about how the physical world influences and is influenced by the biological realm. Topics will include the physics of the seas, including the origin of the ocean currents and their effect on the Earth's climate, marine geology and bathymetry, water chemistry, and the study of winds, waves and tides. Real time buoy, floater and glider data will be used to understand what is going on within the ocean off Long Island and around the world. Specific study of tropical, temperate, and polar regions will be explored.

Coursework will include field trips to collect data from local waterways, a trip to learn about how our local aquarium replicates ocean conditions and a short voyage aboard a research vessel with the Marine Science department of SUNY Stony Brook. Students should graduate from the course with an understanding of the dynamic systems of the oceans and an introductory knowledge of how physical oceanography relates to life on Earth.

## **SOCIAL STUDIES**

### **THE LATIN AMERICAN EXPERIENCE**

**Grade 10 - 12**

**Alt days/Half Year-1/2 Credit weight 1.00**

**Description:**

The Latin American Experience explores the Latin American journey from the 1800's to 21st Century America. In order to explore Latin America, which include Meso-America, Mexico, Central America, South America and the Caribbean, this course will focus on a cultural perspective including but not limited to: food, gender, race and class to understand the experiences and processes which have shaped the region. Additionally, students will reflect on identity, revolutions, nation-state formation, modernization, social mobilization and distinctions which exist among Latin American countries based on analysis of primary sources such as cinema, music, literature, art and historical documents along with secondary sources.

### **THE BLACK EXPERIENCE IN AMERICA**

**(Formerly known as African American History and Literature)**

**Grade Level 11-12**

**1 semester/ ½ credit**

**weight 1.00**

**Description:** This course will examine the different experiences, perspectives, and culture of so called Black/African Americans from the early beginnings of America to the present day. The course will examine many different aspects of Black people and Black culture and will also examine the struggles as well as the triumphs of Black/African Americans through many different lenses. The course will also focus on race in America and its impact on those who identify as Black or African American. The course will examine "controversial" topics that are not typically discussed in a traditional school setting. Students will be free to express their thoughts, and ideas based on specific facts presented throughout the course on a variety of different subjects. Critical thinking, debate, discussion and analysis are critical to success in this course.

## **TECHNOLOGY**

**COMPUTER REPAIR****Co-requisite: Intro to Networking****Grade 10 - 12****Half Year-1/2 Credit weight 1.00****Description:**

This class will provide students with an insight into repairing and upgrading computers. Students will be taken through training modules that provide virtual trouble shooting simulations and hands-on activities.

**Intro To Networking****Co-requisite: Computer Repair****Grade 10 - 12****Half Year-1/2 Credit weight 1.00****Description:**

This course is designed to provide students with classroom and laboratory experience in current and emerging networking technology. Areas explored include network technology, standards and protocols, TCP/IP. The OSI reference model, Ethernet standards, IP addressing and LAN's.

**BASIC ELECTRICITY / ELECTRONS****Grade 10 - 12****Alt days/Half Year-1/2 Credit weight 1.00****Description:**

This course will provide students with an understanding of various electrical technologies that have been developed for both the home and industry. Students will be given insight into the theory, design, and fabrication of various electrical technologies. Electronics will be studied including simple electronics circuits and active passive components. Topics include electrical and electronics safety, home and technological applications of electrical systems, house wiring and appliance systems, sources of electricity, active and passive components, electrical construction and fabrication techniques, consumer education, and career exploration.

## **WORLD LANGUAGES**

**CONTEMPORARY CULTURE THROUGH HISPANIC FILMS****Grade 11 - 12****Full Year-1 Credit****weight 1.00/1.18****Description:**

This course is designed to develop students' confidence in their Spanish language proficiency and their cultural knowledge of the Spanish-speaking world, through the discussion of cultural and social issues relevant to the contemporary world as presented via recent films from Latin America and Spain. Class work will focus on analyzing the way the films work and present real world problems, on learning more about Spanish-speaking cultures, and on strengthening students' interpretive, interpersonal and presentational skills to communicate. Course grades will be based on projects.

### **ANCIENT GREEK CULTURE**

**Grade 10 - 12**

**Alt days/Half Year-1/2 Credit weight 1.00**

**Description:**

Students will learn about key topics of ancient Greek culture. This course requires no previous knowledge of the Latin or Greek languages. Through primary and secondary texts in translation, students will become familiar with the most relevant aspects of ancient Greek mythology, history, art, architecture, and philosophy. The goal of the course is to enhance students' literacy in common classical references, giving them knowledge that they can apply forward to their study of English Language Arts, history, science, and modern popular culture. This course is designed to expose students who aren't taking Latin to topics from Classical culture.

## **ENL**

### **ENL Entering/Emerging English Language Arts 11/12 NR (non-Regents)**

**Grade 11 - 12**

**Full Year-1 Credit**

**weight 1.00**

**Description:**

English as a New Language course for students who have been identified as Entering OR Emerging level based on NYSITELL or NYSESLAT scores AND who have passed or been exempted from the NYS English Regents exam. This course addresses appropriate language skills development in listening, speaking, reading, and writing. This course will focus on ELA standards with support and scaffolding at the appropriate language proficiency levels to prepare students for future academic, collegiate, and/or professional endeavors.

### **ENL Transitioning/Expanding English Language Arts 11/12 NR (non-Regents)**

**Grade 11 - 12**

**Full Year-1 Credit**

**weight 1.00**

**Description:**

English as a New Language course for students who have been identified as transitioning or Expanding level based on NYSITELL or NYSESLAT scores AND who passed or been exempted from the NYS English



Students will sit for a department final at the end of the course demonstrating their proficient algebra skills and foundational understanding of geometric concepts.



