

## St Bonaventure Dual Enrollment: Course Descriptions: 2021-2022 Academic year

**\*\*ENGLISH: (English 10 is a pre-requisite for all English courses)**

### **ENG 101**

ENG 101: Writing I

A composition course emphasizing the development of a writing process, contextual awareness, and knowledge of conventions of academic and professional discourse. Course assignments foreground critical reading, writing, and argumentation skills, as well as style, and mechanics. This course is a pre-requisite for ENG 102. (3 credits) (1 High School ELA credit)

### **ENG 102**

ENG 102: Writing 2

A further refinement of ENG 101, ENG 102 extends students' abilities by directing them to special writing assignments (argumentation, research, and aesthetic criticism). This is accompanied by an intensive examination critical thinking itself. Once again, reading essays will serve as a foundation for students' own work. (3 credits) (1 High School Elective credit)

### **ENG 230. Public Speaking**

The basic principles of oral communication are stressed as the student delivers a minimum of seven speeches. The use of audio-cassettes and videotaping allows each student to concentrate upon individual needs. (3 credits) (1 High School Elective credit)

### **ENG 213. Popular Literature**

Analysis of several types of popular literature: the western, the mystery story, science fiction, sports literature, with a consideration of the relationship between popular literature and the literature of high culture. (3 credits) (1 High School ELA credit)

### **PHIL-104 Introduction to Ethics**

Ethics enquires into the fundamental perspectives and principles that bear on the evaluation of human conduct. It examines prominent theories about what constitutes a good life, articulates relevant principles of right action, poses basic questions about the nature of morality and engages with various moral problems that confront the individual and society. This course endeavors to acquaint students with traditions of moral inquiry and to equip them with key concepts (3 credits) (1 High School Elective credit)

## **MATH:**

### **MATH 108. Pre-Calculus Mathematics**

This course provides a detailed study of topics needed for success in calculus: algebra, trigonometry, analytic geometry, and functions. Intended for students who need to take at least one semester of calculus for their major.

(3 credits) (1 High School Math credit)

### **MATH 151. Calculus I**

The study of calculus of functions of one variable. The course covers rates of change, limits, the derivative, the definite integral, the Fundamental Theorem of Calculus, area and average value, and exponential growth and decay. All topics are treated with an emphasis on graphical interpretation.

(4 credits) (1 High School Math credit)

### **MATH 152. Calculus II**

A continuation of Math 151 that includes methods of integration, numerical integration, applications of the definite integral, double integrals, Taylor polynomials and approximations, infinite sequences and series, and vectors in two dimensions. (4 credits) (1 High School Math credit)

### **MATH 107. Introduction to Statistics**

This non-calculus-based study of statistics, includes descriptive methods, basic probability theory, some design and data-collection issues, and procedures for statistical inference. Topics on statistical inference include confidence intervals and hypothesis testing for means and proportions along with chi-squared tests. Emphasis is on set-up and interpretation rather than on computation, with a significant reliance on computer software and/or statistical calculators for the "number crunching" portion of the analysis.

(3 credits) (1 High School Math credit)

## **HISTORY:**

### **POLS 102. American Politics**

This course seeks to explain American politics as the interaction among political thought, economic, political, and social structures, and the struggle for human rights. Grounded in an understanding of the clash between economic elites and democratic forces during the Constitutional period, the course then traces this dynamic into the basic governmental structure, political parties and elections, media influence, and political struggle for human rights. Finally, the course explores the possibilities for change under the current political/economic/social structures. (3 credits) (1 High School History credit)

\* Completion of the PDE required Citizenship Assessment needs to be completed prior or during this course

### **POLS 205. Law and Society**

Law is a common and yet distinct element of daily life in modern societies, simultaneously shaping and being shaped by society. The creation, interpretation, and enforcement of laws occur in the context of historical changes, societal norms, and the subjective concerns and whims of those charged with their creation. This course will explore, from an American and comparative perspective, the nature of law as a set of social systems, central actors in the systems, legal reasoning, and the relationship of the legal form and reasoning to social change. (3 credits) (1 High School Elective credit)

### **HIST 250. World History to 1450**

This course is descriptive and analytical survey of world cultures from early river valley civilizations to 1450, with an emphasis on non-Western civilizations in Asia, Africa and the Middle East. Among the themes explored are the importance of land and water trade routes as conveyors of civilizations, the influence of nomadic peoples on the spread of ideas and technologies, the reshaping of local cultures as Buddhism and Islam spread to Asia and Africa, and the importance of urban centers such as Baghdad as intellectual and cosmopolitan capitals before the “rise” of the West. (3 credits) (1 High School History credit)

### **HIST 251. World History Since 1450**

This course surveys world history since 1450 in order to provide with a historical context for understanding current world problems. Using an analytical and comparative approach, it examines the rise of Western global hegemony and how the non-West responded and is still responding. We will look at a wide range of topics and issues including nationalism, imperialism, decolonization, and globalization. What role has trade, technology, war and revolution played? How have national and regional interests in the Middle East, Asia and Africa resisted and/or competed with the advance of globalization? What geographic, economic, social, and cultural factors created today’s world? (3 credits) (1 High School History credit)

### **SCIENCES:**

#### **BIO/BIOL 110. Plants and Human Culture.**

From foods, to medicines, to fibers, to building materials, plants serve a vital role in our lives. This course emphasizes how basic plant structure and function interfaces with human existence. Special attention will be given to multi-cultural approaches to the use of plant material. Laboratory experiences are designed to highlight practical applications of botany. This course cannot be used to fulfill elective credit requirements for the biology major. 3 hours lecture/1 laboratory per week. (4 credits) (1 High School Science credit)

### **LANGUAGE**

**FREN 101-102. Elementary.** The fundamentals of French grammar and structure. Seeks to develop language proficiency through communicative methods and culturally oriented materials. Prerequisite for 102 is 101, equivalent, or permission of instructor. (3 credits each). (1 High School Elective credit each)

\*Students do not need to have prior French courses to take French 101