



## **Baker University Virtual Concurrent Credit Courses – 2022-23 Lawrence Virtual School – Fall 2022**

### **BI151 Molecular & Cellular Biology and Lab (4 hours)**

This course provides a comprehensive introduction to the major concepts of biological sciences and the characteristics of life. The course is designed to engage students in understanding the major processes of cells including cell structure, growth, and reproduction. The course provides the student with an in-depth understanding of genetics and heredity as well as the roles they play in the overall function and continued growth of a population. Other topics include ecology and biodiversity.

The lab component of the course provides a comprehensive introduction to the laboratory study of life. In this class, students will learn about lab safety and explore topics like the metric system using the microscope and the scientific method. Students will learn how cells grow and divide, obtain and use energy, and pass genetic information to the next generation. Finally, students will learn the importance of biodiversity in ensuring the survival of a species. Students will complete 10 mastery assignments with lab activities including formal lab reports.

### **CO115 Introduction to Communication Studies (3 hours)**

This course is a study of basic communication theory and history. It focuses specifically on the relevance of communication study today and how different situations and technologies demand the evaluation and application of appropriate communication techniques. Students in the course will apply communication studies to developing applications of communication including business presentations, public speaking, organizational communication, and small group communication. Students will be required to record themselves giving speeches. Some speeches require the student to present in front of no fewer than seven people, either in person or virtually. Failure to complete these assignments will result in an automatic failure of the course. If needed, contact support for assistance in completing this requirement.

### **EN105 Language and Composition (English Comp I -3 hours)**

This course provides an introduction to college-level writing and covers the basics of composition including (1) types of essays, (2) how to analyze essay writing, and (3) how to prewrite and edit essays. The course also includes a description and understanding of rhetoric, argumentation, persuasion, and the rhetorical situation as it applies to past and current writing.

**EN106 Research and Composition (English Comp II - 3 hours)**

Research and Composition is the second in a series of two courses designed for a first-year college-level English writing program. Its purpose is to further develop students' abilities to read and think critically by analyzing texts and evaluating sources, to research and evaluate evidence competently, to develop logical reasoning and persuasive argument skills, and to communicate ideas in appropriate written media and styles. It introduces students to academic writing, basic research, and the art of argumentation, as well as reinforcing concepts introduced in previous composition courses.

**HI127 US History to 1877 (US History I – 3 hours)**

U.S. History to 1877 covers history through 1877, taking students from pre-Columbian events through the Civil War and Reconstruction. The course introduces students to the major themes that have defined the United States as a nation and culture while showing students how these times remain relevant in their everyday lives.

**HI128 US History since 1877 (US History II – 3 hours)**

U.S. History since 1877 provides a comprehensive presentation of the significant social, political, and economic developments from 1877 to the present. The course is designed to engage students in understanding how shifts in culture, private initiative, public policy, and technology have shaped American history. Critical reading, analysis, and writing will be emphasized as core elements of enhancing lesson understanding.

**MA145 College Algebra (3 hours)**

This course provides a comprehensive introduction to the foundations of mathematics typically taught in a traditional college algebra course. This core course develops problem-solving strategies and establishes a firm foundation for higher levels of mathematics. Students will gain practical knowledge by solving and applying equations to real-life situations. They will explore a variety of functions and understand how they are used to model complex phenomena (e.g. polynomial, quadratic, rational, exponential, and logarithmic). Data and trends will be summarized and visualized by creating and implementing graphs. Finally, students will feel empowered with the skills to succeed in math, science, business, and programming.

**PY111 General Psychology (3 hours)**

This course is designed to serve as an introductory course to the basic concepts in psychology that analyze human behavior. Students will first delve into the fundamentals including history, science, approaches, and research in psychology. Next, students will get an introduction to biology as it relates to human psychology including genetics, the nervous system, sensation and perception, and developmental psychology. This course is also designed to give students an understanding of the psychology behind cognition, memory, learning, and motivation as well as social psychology. Students will examine the psychological effects that impact everyday life such as consciousness and sleep, stress and health, personality, psychological disorders, and therapy and treatment.