

# College Courses

College Courses taught through Distance Learning from Jefferson Community College and through CCS teachers are listed on pages 40-41. To be eligible to take these college classes, students must be students (juniors and seniors) in good academic standing with a cumulative GPA of 85 or higher.

## JEFFERSON COMMUNITY COLLEGE

(Courses taught via distance learning.)

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### **ECO 101 – Macroeconomics – 3 College Credit Hours**

Macroeconomics is a study of economic analysis as applied to problems of economic growth, business fluctuations unemployment, and inflation. Monetary and fiscal policies are evaluated as techniques used to achieve the economic goals of society.

Prerequisite: Two years of high school math (Mathematics A & B). This course may be used towards a social studies sequence if taken in conjunction with social studies 12.

### **POL 121 – Introduction to American Government – 3 College Credit Hours**

An introduction to the American political system. Legislative, Executive, and Judicial functions will be studied as well as the nature of American political parties, interest groups, public opinion, and the role each plays in contemporary American life. This course may be used towards a social studies sequence if taken in conjunction with social studies 12.

### **PSY 133 – Introduction to Psychology – 3 College Credit Hours**

Principles of psychology will be taught, including the biological basis of behavior; principles of human development, learning, emotion, motivation, perception, cognition, personality, and abnormal behavior. This course may be used towards a social studies sequence in high school.

### **SOC 144 – Introduction to Sociology – 3 College Credit Hours**

This course will involve an introduction to the scientific study of human social behavior. Emphasis will be given to the topics of culture, society, socialization, group interaction, social stratification, and the basic institutions. This course may be used towards a social studies sequence if taken in conjunction with social studies 12.

### **MTH 185 – Pre-calculus – 4 College Credit Hours**

This course provides sufficient mathematical background for Calculus. Topics covered include properties and graphs of functions, polynomial, rational, exponential, logarithmic, and trigonometric functions, equations and inequalities, and analytic geometry. Students will be expected to demonstrate competence in the use of current technology as it applies to pre-calculus topics.

Prerequisite: three years of high school mathematics, including Algebra 2/Trigonometry, or MTH 155 (college algebra), or permission of instructor.

## **MTH 221 – Calculus – 4 College Credit Hours**

This course provides an introduction to Calculus with emphasis on concepts of limit, continuity, derivative, anti-derivative and integral. Students will study applications of the derivative as a rate of change and in determining extreme values and the application of the definite integral to determine area. Students will be required to develop and demonstrate literacy with a symbolic computer system.

Prerequisite: Successful completion of MTH 185 Pre-Calculus distance learning course.

## **JEFFERSON COMMUNITY COLLEGE**

(Courses taught by Copenhagen Central School teachers.)

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### **Piano Class 1 (MUS 172) – 3 College Credit Hours**

Piano Class 1 is a group instruction in fundamental piano technique designed for the beginning pianist. Students learn basic musicianship skills and develop technical proficiency through performance of piano music from various genres. Piano Class 1 uses a performance-based approach with group keyboard lessons in the music lab. This course is recommended for students planning a career in music, early childhood or elementary education. Students must have access to an out-of-class keyboard for practice. Students may earn 3.0 college credits through Jefferson Community College (JCC).

Grades: 9-12

1/2 unit

Prerequisite: none

1/2 year

### **Piano Class 2 (MUS 272) – 3 College Credit Hours**

Piano Class 2 is a continuation of Piano Class 1 with group instruction in more advanced piano technique and repertoire designed for the intermediate pianist. Students advance musicianship skills and develop greater technical proficiency through performance of progressively more difficult piano music from various genres. Piano Class 2 uses a performance-based approach with group keyboard lessons in the music lab. This course is recommended for students planning a career in music, early childhood, or elementary education. Students must have access to an out-of-class keyboard for practice. Students may earn 3.0 college credits through Jefferson Community College (JCC).

Grades: 9-12

1/2 unit

Prerequisite: Piano Class 1 (MUS 172)

1/2 year

### **JCC Basic Drawing – Art 117**

This class is the same class that is offered to students on campus at JCC. It explores the fundamental skills of drawing, contour, gesture, negative space, sighting, and shading. Students will explore various medias in order to learn the different techniques, but students will only work with drawing materials. This is a demanding class, not for those who aren't serious about improving their drawing skills. This class is often only offered every other year.

Grades: 11 - 12

1/2 unit

Prerequisite: Advanced Art

1 semester

## **JCC Basic Painting – Art 118**

The purpose of this class is to learn to paint, to learn to mix colors, to understand how materials work and to explore techniques. Students will use acrylic, watercolor, oil and mixed media materials. They will work realistically as well as abstractly. Again, this is a very demanding class, not for those who aren't serious about improving their painting skills. (3 credits) This class is often only offered every other year.

Grades: 11 - 12

1/2 unit

Prerequisite: JCC Drawing

1 semester

## **Music Theory and History – 3 College Credit Hours**

Music Theory and History will be a college preparatory course for those students in grades 10-12 who are interested in pursuing music as a career or plan to study music in college. This course will prepare students to take entrance exams that are required to enter into many undergraduate music programs. In order to enroll, students must be approved by the choral or band directors.

Throughout the course notable compositions and pieces will be utilized to explore the development of western theory. Time will also be taken to acknowledge the works and styles of other cultures. We will work with the book "Music Theory" by Hal Leonard. This course is offered every other year. Students may earn 3.0 college credits through Jefferson Community College (EDGE).

Grades: 10-12

1 unit

Prerequisite: Permission of instructor

1 year

Concurrent enrollment in chorus or band