

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Introduction to Chinese

SCHOOL DISTRICT: Galway

INSTRUCTOR: W. Michael O'Shea

FULL YEAR: XX **HALF YEAR:** **OTHER:**

COURSE PREREQUISITES: none – the course begins at “ground level,” so no prior knowledge of the Chinese language is required

BRIEF COURSE DESCRIPTION / OUTLINE: This is a computer assisted course – that is, all of the course materials, with sound, can be found on the instructor's website (www.sunyacc.edu/~osheam/home.html). The emphasis of the course is on spoken Chinese, but students will also learn to recognize and write approximately 150 of the most frequently used Chinese characters. In addition, students will learn how to write in Chinese on their own home computer. By the end of the course, students will be able to carry on a simple conversation in Chinese, with any Chinese speaking person.

OTHER NOTES / MISCELLANEOUS: The school district will activate the Chinese writing function on enough computers in the computer lab to enable students to complete homework and other out of classroom written assignments requiring the writing of Chinese characters.

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Health Education

SCHOOL DISTRICT: Galway

INSTRUCTOR: Maggie Finocchio

FULL YEAR: **HALF YEAR:** **XX** **OTHER:**

COURSE PREREQUISITES: none

BRIEF COURSE DESCRIPTION / OUTLINE: Health is a one-semester course that is required by New York State for High School graduation. The focus of this course is to equip students with the knowledge and skills that will enable them to pursue healthy lifestyles and to be competent at making decisions that will enhance lifestyle. Topics covered include wellness, mental disorders, suicide/death and dying, stress management, media literacy, fitness, nutrition, eating disorders, substance abuse prevention (tobacco, alcohol, drugs), human sexuality, and parenting education.

OTHER NOTES / MISCELLANEOUS:

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Calculus (SUPA) – MAT 295

SCHOOL DISTRICT: Gloversville

INSTRUCTOR:

FULL YEAR: XX

HALF YEAR:

OTHER:

COURSE PREREQUISITES: Students who elect to enroll in the course sequence should have completed four years of high school mathematics.

BRIEF COURSE DESCRIPTION / OUTLINE: MAT 295-296 is the first-year calculus sequence required of all science and engineering majors at Syracuse University. MAT 295 comprises the first four credits of this eight-credit sequence. The development of scientific calculators with graphics capability has made possible some significant changes in the way this material is taught, and many colleges and universities are now incorporating them in their calculus sequence. In sections of calculus offered off-campus through Project Advance and in selected campus sections, design changes have been made to integrate these calculators into the learning process. The course design allows for some variations in pacing, as determined by site instructors and the supervising faculty.

The mathematical *content* of this program is typical of most traditional first-year calculus courses. The concepts of limit, continuity, derivative, and anti-derivative and definite integral are developed in the usual way, and then applied to the traditional collection of functions: polynomial, rational, trigonometric, and exponential, together with their inverses, compositions, and algebraic combinations. The results are then applied to a wide variety of problems from geometry, physics, and other sciences. These include maximum and minimum problems, related rates, areas, volumes and surfaces of revolution, arc length, work, fluid pressure, velocity and acceleration, and exponential growth and decay. Curve sketching is introduced at the very beginning and emphasized throughout, as we believe strongly that this is an important skill for any calculus student to acquire. Graphing calculators are a help here, since they contribute substantially to an understanding of the functions being sketched. They are only a help, however; *the calculators are not used as a substitute for the skill itself.*

During the course students are introduced to progressively more sophisticated programming techniques for the calculator. They are shown how to write programs first for the evaluation and tabulation of functions, and then for numerical evaluation of limits, derivatives, and roots (the last by Newton's Method). Students then learn to do finite sums, Riemann sums, and finally numerical integration (by Simpson's Rule). Programs are stored in the calculator as they are written and are used throughout the course.

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Forensic Science

SCHOOL DISTRICT: HFM BOCES

INSTRUCTOR: Erika Zorn

FULL YEAR: XX HALF YEAR: OTHER:

COURSE PREREQUISITES: Would prefer if student completed high school level Biology.

BRIEF COURSE DESCRIPTION / OUTLINE: This course will introduce you to basic scientific principles and techniques used by law enforcement agencies when they investigate a crime scene. The importance of proper collection and identification of relevant physical evidence using systematic procedures of search, collection, documentation, and analysis of evidence will be the main focus of this course. We will study how the properties of physical evidence can be used to reconstruct the events surrounding the commission of a crime and how it can connect the victim to the perpetrator of a crime.

We will also use broadcast television programs, newspaper articles, and the internet to gain insight into the methods to which scientific investigating can help solve crimes. Laboratory exercises will also be incorporated during the scheduled class.

OTHER NOTES / MISCELLANEOUS:

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Irish Culture and the Literary Arts

SCHOOL DISTRICT: Johnsburg Central School

INSTRUCTOR: Mr. Steve Tomb

FULL YEAR: XX HALF YEAR: _____ OTHER: _____

COURSE PREREQUISITES: 9th and 10th grade ELA

BRIEF COURSE DESCRIPTION / OUTLINE: _____ This course is an introduction to Irish Literature and Culture. We will read a basic history of Ireland and then continue with short stories, novels, dramas, poetry, and film. This course will require students to read a minimum of 20 pages per evening. Reading notebooks/journals will be kept. Projects and papers will be required. Themes important to Irish Writers, Artists and Poets will be the focal point of this course. As Brian McII Roy states, “Film, culture, and politics are intertwined in Ireland in such a way that no artifact can easily escape into art for art’s sake.” Or as Derek Mahon considers, “Irish writers are read for what they can tell us about the nature of history and social change, the sense of belonging and not belonging and the extremes of personal experience to which extreme situations give rise.”

OTHER NOTES / MISCELLANEOUS: _____

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Pre-Calculus

SCHOOL DISTRICT: Keene

INSTRUCTOR: Susan Stafford-Gough

FULL YEAR: X HALF YEAR: _____ OTHER: _____

COURSE PREREQUISITES: Successful completion of Math B and teacher recommendation, Seniors or Juniors only.

BRIEF COURSE DESCRIPTION / OUTLINE: This course is a three-credit college course offered through the Bridge Program @NCCC in Saranac Lake, NY. To obtain these credits, a minimum of an 80 is required for the year. Also, a non-refundable fee of \$50 is required by NCCC. Upon successful completion in June, the student will receive an actual transcript from NCCC. A TI-83+ or TI-84+ graphing calculator is required.

OTHER NOTES / MISCELLANEOUS: If the student does not obtain an 80 average or higher, then only high school credit will be given provided his/her grade is at least a 65%.

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: History of the Holocaust

SCHOOL DISTRICT: Mayfield

INSTRUCTOR: Brian Backhaus

FULL YEAR: _____ HALF YEAR: X OTHER: _____

COURSE PREREQUISITES: Open to students in grades 12

BRIEF COURSE DESCRIPTION / OUTLINE: This course explores the roots of the Holocaust in European anti-Semitism, and traces the development of discriminatory attitudes toward their horrible outcome during the Second World War. The goal of studying, what is arguably the most crucial event in twentieth century history, is to provide students with a solidly grounded appreciation of the need for the respect and tolerance of others. The irrational basis of anti-Semitism will be analyzed, as will the methods by which the murderous rhetoric was literally put into practice, not simply by SS thugs, but also by the German Wehrmacht, by the police, and by “ordinary men.”

OTHER NOTES / MISCELLANEOUS: _____

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Spanish V

SCHOOL DISTRICT: Mayfield

INSTRUCTOR: Veronica Swart

FULL YEAR: X HALF YEAR: _____ OTHER: _____

COURSE PREREQUISITES: Successful completion of Spanish IV

BRIEF COURSE DESCRIPTION / OUTLINE: This “Intermediate Composition and Conversation II” class includes a review of grammar, in-depth cultural studies, creative and expository writing, and basic literary analysis. Literature is used as a springboard for oral and written communication. Students write journals, short research reports and persuasive essays, make oral presentations, listen to radio and TV broadcasts and full length films, and use the language in another subject area, such as science and social studies. Skills in speaking in all types of situation are emphasized. Students may earn college credit through the University in High School Program at the University at Albany.

OTHER NOTES / MISCELLANEOUS: _____

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Calculus (NCCC)

SCHOOL DISTRICT: Newcomb

INSTRUCTOR: Ed LaCourse

FULL YEAR: XX HALF YEAR: OTHER:

COURSE PREREQUISITES: Math B or Pre-Calculus

BRIEF COURSE DESCRIPTION / OUTLINE: This course will be designed around the standard college Calculus I description. The major aspects of differential and integral calculus as well as all applications will be discussed.

OTHER NOTES / MISCELLANEOUS: Excellent prep for college calculus.

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Accelerated Math 7

SCHOOL DISTRICT: St. Johnsville

INSTRUCTOR: Mrs. Dabiere

FULL YEAR: XX HALF YEAR: OTHER:

COURSE PREREQUISITES:

BRIEF COURSE DESCRIPTION/OUTLINE: This is an advanced track class leading to an Advanced Regents Diploma upon passing the Math B exam. It also allows a student the option of taking Calculus in their senior year. Upon successfully passing this class, the student would then take Integrated Algebra in grade 8.

OTHER NOTES/MISCELLANEOUS:

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Economics Honors

SCHOOL DISTRICT: Saratoga Springs

INSTRUCTOR: Dean Bailey

FULL YEAR: _____ HALF YEAR: xxx OTHER: _____

COURSE PREREQUISITES: Seniors only, taken in lieu of Economics

BRIEF COURSE DESCRIPTION / OUTLINE: This course is an in-depth survey of major economic principles, institutions and problems in contemporary American life. The course is divided into two major areas: 1) macroeconomics (national income concepts, unemployment, inflation, monetary control) and 2) microeconomics (supply and demand, the price system, how the markets work). Students should expect to complete several projects based on the content areas covered in this course. Students must pass economics in order to graduate.

OTHER NOTES / MISCELLANEOUS: _____

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: War and Diplomacy I

SCHOOL DISTRICT: Saratoga Springs

INSTRUCTOR: Mike Miller

FULL YEAR: _____ HALF YEAR: xx OTHER: _____

COURSE PREREQUISITES: Junior or senior half year elective – Fall semester

BRIEF COURSE DESCRIPTION / OUTLINE: War and Diplomacy I This course is designed to go beyond the scope of a traditional history survey course in its study of war and its effect on civilization. There is a major emphasis on student activities, projects, and discussions related to relevant topics and issues. The focus will be on a study of the ethics, history, and impact of war on society using a variety of social, cultural and military resources. War and Society I covers the period of 1776-1919.

OTHER NOTES / MISCELLANEOUS: _____

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: War and Diplomacy II

SCHOOL DISTRICT: Saratoga Springs

INSTRUCTOR: Mike Miller

FULL YEAR: _____ HALF YEAR: xx OTHER: _____

COURSE PREREQUISITES: Junior or senior half year elective – Spring semester

BRIEF COURSE DESCRIPTION / OUTLINE: War and Diplomacy II This is a course designed to go beyond the scope of a traditional history survey course in its study of war and its effect on civilization. There is a major emphasis on student activities, projects, and discussions related to relevant topics and issues. The focus will be on the a study of the ethics, history, and impact of war on society using a variety of social, cultural and military resources. War and Society II covers the period 1945 to the present.

OTHER NOTES / MISCELLANEOUS: _____

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: AP Biology

SCHOOL DISTRICT: Schuylerville

INSTRUCTOR: Rose Cenci

FULL YEAR: X HALF YEAR: _____ OTHER: _____

COURSE PREREQUISITES: 85 on Regents Biology exam, successful completion of Regents Chemistry, and permission from instructor

BRIEF COURSE DESCRIPTION / OUTLINE: AP Biology is designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The three main topics covered and the percentage of coverage for each topic is as follows:

- Molecules and Cells: 25%
- Heredity and Evolution: 25%
- Organisms and Populations: 50%

There is a lab component included in the AP Biology course, which also encourages higher level thinking. That lab will be offered at a time separate from the Distance Learning course, and will take place in a lab setting at the student's home school.

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year of college. The AP Biology exam is taken in early May.

OTHER NOTES / MISCELLANEOUS: _____

DISTANCE LEARNING COURSE DESCRIPTION

COURSE NAME: Investment Strategies for the 21st Century

SCHOOL DISTRICT: Wells

INSTRUCTOR: Gary W. Howard

FULL YEAR: HALF YEAR: XX OTHER:

COURSE PREREQUISITES: None

BRIEF COURSE DESCRIPTION/OUTLINE: This course deals primarily with an analytical study of investment trends pertaining to stocks, bonds, and mutual funds. Included in the course is a history of the stock market which will provide the student with knowledge of the structure, function, and growth of our nation's financial network. Upon completing this course, the student will be prepared to invest in today's global market. This course is designed for students in 11th-12th grades who have a focus on the application of global investing.

OTHER NOTES/MISCELLANEOUS: Good work ethic and outstanding performance in economics is desired.