

VCS/KSU ONLINE COURSE OFFERINGS (CONTINUED)

Basic Sciences

FUNDAMENTALS OF CHEMISTRY **CHEM 10050** **CREDITS: 3**
This course develops basic chemical principles for non-science majors while emphasizing applications in the health sciences. Prerequisite: ACT math score of at least 16 or appropriate math placement.

INTRODUCTION TO ORGANIC CHEMISTRY **CHEM 10052** **CREDITS: 2**
Chemistry of organic and biological molecules necessary for the study of physiological chemistry. Prerequisite: CHEM 10050 or 10060

EARTH DYNAMICS **GEOL 11040** **CREDITS: 3**
Application of basic concepts and theories of earth science to the interpretation of earth materials and dynamic processes (erosion, sedimentation, volcanism, continental drift.)

EARTH DYNAMICS LAB **GEOL 11041** **CREDITS: 1**
Laboratory study of minerals, rocks, aerial photos, topographic maps and geologic maps. Pre- or corequisite: GEOL 11040.

EARTH HISTORY **GEOL 11042** **CREDITS: 3**
Application of basic concepts and theories of earth science to the interpretation of the origin and evolution of the solar system, the earth, the structures of the crust and life.

EARTH HISTORY LAB **GEOL 11043** **CREDITS: 1**
Laboratory study of fossils, sedimentary rocks, and geologic maps in the framework of interpreting earth history. Pre- or co-requisite: GEOL 11042

PHYSICAL GEOGRAPHY **GEOG 21062** **CREDITS: 3**
Introduction to the study of the spatial characteristics of the earth's physical environment, including how humans interact with it. Topics include weather and climate, vegetation, soils, ecosystems, landforms and land-formation process, human impacts on Earth systems, and human/societal adaptations to the physical environment.

PHYSICAL GEOGRAPHY LAB **GEOG 21063** **CREDITS: 1**
Practical experience examining physical geographic processes, including the study and manipulation of map projections, Earth-sun relationships and experiments relating to the atmosphere, biosphere, lithosphere and hydrosphere. Co-requisite: GEOG 21062.

SCIENCE OF HUMAN NUTRITION **NUTR 23511** **CREDITS: 3**
Basic concepts and principles in the science of human nutrition, energy balance and weight control, individual nutrient needs, diet selection, nutrition related metabolism and physiological functions, nutritional diseases and current human nutrition controversies. Prerequisite: None.

SEVEN IDEAS THAT SHOOK THE UNIVERSE **PHY 11030** **CREDITS: 3**
Description of major revolutionary physical concepts and their implications for understanding the physical universe. Not counted toward Physics major.

PHYSICS IN ENTERTAINMENT AND THE ARTS **PHY 21040** **CREDITS: 3**
Descriptive introduction to physics underlying selected forms of art and entertainment. Examples are drawn from music, visual arts, and communications media. Not counted toward requirements for major in Physics.

PHYSICS IN ENTERTAINMENT AND THE ARTS LAB **PHY 21041** **CREDITS: 1**
Laboratory component of PHY 21040, two hours weekly. Pre- or co-requisite: PHY 21040

FRONTIERS IN ASTRONOMY **PHY 21430** **CREDITS: 3**
Modern description of astrophysical observations, the results of these observations, and the physical principles based on them. Not counted toward requirements for major in Physics.

FRONTIERS IN ASTRONOMY LAB **PHY 21431** **CREDITS: 1**
Laboratory component of PHY 21430 Frontiers in Astronomy. This course may be used to satisfy the Kent Core requirements and the science laboratory component of the Ohio Transfer Module. Pre- or co-requisite: PHY 21430.

KENT CORE VI: ADDITIONAL

INTRODUCTION TO HUMAN COMMUNICATION **COMM 15000** **CREDITS: 3**
An inquiry into the nature and function of human communication in interpersonal, group and public contexts.

Please note: Course offerings vary each semester. Pre-requisites will likely be offered during other semesters. Keep those courses in mind for future planning.

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SPRING 2012

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Program benefits

- Students earn high school and college credit for the same course
- All courses are online—no travel to a campus
- Courses are FREE for full-time VCS students
- Non-VCS students may purchase individual courses through VCS Branching
- Participants are accepted as Kent State University students
- The Kent State University application fee will be waived
- KSU credits are accepted at all public universities in Ohio and all bordering states
- Students could graduate from high school and enter their junior year of college
- Families save thousands of dollars in college tuition

Application requirements

Students must submit:

- Completed written college application and essay
- High school transcripts
- Two recommendations from high school faculty members or guidance counselors
- Preferred 3.0 cumulative high school grade point average on a 4.0 scale
- Preferred ACT composite score of 23 or combined SAT score of 1070 (reading and math)

Please note: Applicants are evaluated holistically, so GPA and test scores may fluctuate.

Submit application material to: Virtual Community School of Ohio Attn: Guidance Office 4480 Refugee Road, Suite 304 Columbus, OH 43232	Questions? Contact the Guidance Office (866) 501-9473, ext. 2007 jessica.yeager@vcslearn.org
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Additional notes

- All dual credit courses should be transferable with a grade of C or better.
- KSU will submit official grades to VCS Ohio.
- VCS Ohio, as a public charter school, will award high school credit to students through Ohio's credit flexibility plan.

VCS/KSU ONLINE COURSE OFFERINGS – SPRING 2012

Composition

COLLEGE WRITING II **ENG 21011** **CREDITS: 3**
Continuation of college-level writing instruction with emphasis on research and inquiry, culminating in a lengthy written and/or multi-modal project. Prerequisite: ENG 11011

Mathematics and Critical Reasoning

EXPLORATIONS IN MODERN MATHEMATICS **MATH 11008** **CREDITS: 3**
Topics from various branches of mathematics will be chosen to introduce the student to the wide varieties of ways in which mathematics affects everyday life. Prerequisite: None

MODELING ALGEBRA **MATH 11009** **CREDITS: 4**

Study of algebra arising in the context of real-world applications, including linear, polynomial, exponential and logarithmic models. Intended for students not planning to take calculus. No graduation credit for this course for students who have already passed MATH 11010.



FREE for VCS students!
Non-VCS students pay
\$185 per credit hour.

Dates and deadlines:

Kent State University application deadlines:

December 2, 2011
to start in January 2012
(spring semester)

August 10, 2012
to start in August 2012
(fall semester)

December 7, 2012
to start in January 2013
(spring semester)

VCS/KSU ONLINE COURSE OFFERINGS (CONTINUED)

Humanities and Fine Arts

THE GREEK ACHIEVEMENT **CLAS 21404** **CREDITS: 3**
A study of the cultural achievements of the ancient Greeks as displayed in their poetry, philosophy, history and art from the Homeric period through the New Testament.

THE ROMAN ACHIEVEMENT **CLAS 21405** **CREDITS: 3**
A study of the cultural achievements of the ancient Romans as displayed in their literature and art from the Etruscans through the Christians.

U.S. FORMATIVE PERIOD **HIST 12070** **CREDITS: 3**
A survey of United States history through 1877.

U.S. MODERN PERIOD **HIST 12071** **CREDITS: 3**
A survey of United States history since 1877.

BLACK EXPERIENCE I: BEGINNINGS TO 1865 **PAS 23001** **CREDITS: 3**
Study and analysis of the African experience prior to, and following the arrival of Africans in the New World. Emphasis is on North and South America, Africa and the Caribbean.

BLACK EXPERIENCE II: 1865 TO PRESENT **PAS 23002** **CREDITS: 3**
The second of two parts, this course covers the period 1865 to the present and is a continuation of PAS 23001.

Humanities in Communication and Information

THE ART OF THE THEATRE **THEA 11000** **CREDITS: 3**
Using the life-centered nature of theatre as a medium of analysis, this course is designed to develop critically engaged audience members who are aware of the impact, significance and historical relevance of the interconnection between culture and theatre performance.

DANCE AS AN ART FORM **DAN 27076** **CREDITS: 3**
Survey of the various types, styles and functions of dance with emphasis on understanding dance as an art form and an expression of culture.

MUSIC AS A WORLD PHENOMENON **MUS 22121** **CREDITS: 3**
An introduction to music as a world phenomenon. Study of selected art, folk and popular music from world cultures through live performances, tapes, films, video tapes and readings.

UNDERSTANDING MUSIC **MUS 22111** **CREDITS: 3**
A listening approach for the understanding of Western art music, folk and jazz. Particular attention is paid to musical styles, forms and compositional techniques as related to music history. Not open to music majors.

Social Sciences

INTRODUCTION TO GEOGRAPHY **GEOG 10160** **CREDITS: 3**
Emphasizes processes which generate diverse global human and environmental patterns. Interaction of geographical elements as expressed in spatial organization of cities, land use, and cultural political regions.

WORLD GEOGRAPHY **GEOG 17063** **CREDITS: 3**
Examination and comparison of geographic conditions in different regions of the world. This course stresses inter-relationships between people and resources within and between regions and countries.

GEOGRAPHY OF THE UNITED STATES AND CANADA **GEOG 17064** **CREDITS: 3**
Analysis of the spatial patterns of significant human and physical characteristics and interpretation of the major regions within the two nations.

INTRODUCTION TO GERONTOLOGY **GERO 14029** **CREDITS: 3**
An interdisciplinary approach to the study of the aging process.

MEDIA, POWER AND CULTURE **JMC 20001** **CREDITS: 3**
Critical understanding of mass media in historical, ideological, economic and cultural contexts. Examines what forces influence media and how media influence consumers. Not open to journalism and mass communication pre-majors or majors.

ISSUES IN LAW AND SOCIETY **JUS 26704** **CREDITS: 3**
General treatment of the legal system with special emphasis on its origin, structure and functional consequences on issues and problems in modern society.

PSYCHOLOGY OF ADJUSTMENT **PSYC 21211** **CREDITS: 3**
A review of theories, concepts and data that contribute to our understanding of human adjustment. Topics may include the following: personality, stress and coping, transitions from adolescence to adulthood, psychological disorders and psychotherapy. Prerequisite: PSYC 11762