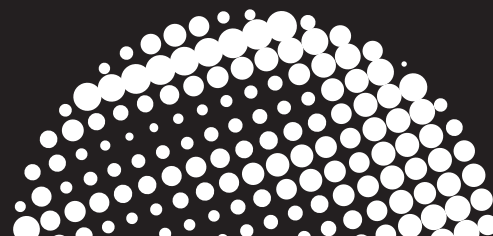


ECOL/GEOS/GC 596s Selected Topics for Science Educators

Global Climate Change



2006 K-12 Educator Forum (High School) The University of Arizona College of Science

Course Overview

Our planet is in the midst of significant global climate change that has great potential for affecting the way we live. Scientists are observing increases in temperature, changes in the chemistry of the atmosphere and oceans, shifts in water availability and vegetation, and changes in patterns of disease. UA's College of Science is proud to present seven lectures that will discuss how climate interacts with our biosphere, hydrosphere and atmosphere and will offer ways to mitigate global climate changes through technology and policy.

ECOL/GEOS/GC 596s is structured as a 2-unit graduate course with discussion, lecture and activities on the teaching of global climate change in a high school science classroom. The course is focused around an evening speaker series offered through the College of Science.

Teacher-participants meet once a week for three hours in the evening. In the first hour the class participates in an activity for teaching science in a high school science classroom or a presentation on a K-12 outreach opportunity at the UA. In the

second hour the class attends the College of Science Global Climate Change Lecture. The third hour consists of discussion of the lecture and its application to the high school classroom.

This course is structured for science teachers at the 6-12 grade level, but K-12 teachers at all levels are invited to participate. Pre-service teachers who are not yet certified may also take the course and earn undergraduate credit. Teachers earn two units of graduate credit.

For More Information
Contact Richard Thompson
rmthomps@u.arizona.edu
520-626-1641

To Register
Contact Continuing Education and Academic Outreach
520-621-7724
Enrollment is limited.

100% TUITION AND FEES (TWO UNITS) ARE PAID BY THE COLLEGE OF SCIENCE THROUGH FUNDING PROVIDED BY RESEARCH CORPORATION.

Location and Time

The first two classes meet in the Integrated Learning Center (ILC), Room 135. The remainder of the classes meet in the Family and Consumer Sciences (FCS) Building, Room 114. Classes are Tuesdays, 6:00-9:00 pm. Parking is available in the Second Street and Cherry Avenue garages for classes held in the ILC, and in the Tyndall Avenue Garage for classes held in FCS.

The following class will meet in ILC 135:

Tuesday, October 3, and Tuesday, October 10
INTRODUCTION TO THE SCIENCE AND TEACHING OF GLOBAL CLIMATE CHANGE
The course includes a research project, "Local Climate: Is It Changing?"

The following classes will meet in FCS 114:

Tuesday, October 17
GLOBAL CLIMATE CHANGE: THE EVIDENCE
Malcolm Hughes
Professor of Dendrochronology

Tuesday, October 24
GLOBAL CLIMATE CHANGE: WHAT'S AHEAD
Jonathan Overpeck
Director of the Institute for the Study of Planet Earth and Professor of Geosciences

Tuesday, October 31
GLOBAL CLIMATE CHANGE: THE ROLE OF LIVING THINGS
Travis Huxman
Assistant Professor of Ecology and Evolutionary Biology

Tuesday, November 7
GLOBAL CLIMATE CHANGE: OCEAN IMPACTS AND FEEDBACKS
Julia Cole
Associate Professor of Geosciences

Tuesday, November 14
GLOBAL CLIMATE CHANGE: DISEASE AND SOCIETY
Andrew Comrie
Dean of the Graduate College and Professor of Geography and Regional Development

Tuesday, November 21
GLOBAL CLIMATE CHANGE: COULD GEOENGINEERING REVERSE IT?
Roger Angel
Regents' Professor of Astronomy

Tuesday, November 28
GLOBAL CLIMATE CHANGE: DESIGNING POLICY RESPONSES
Paul Portney
Dean of the Eller College of Management and Professor of Economics

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