
CURRICULUM AND ADVISING 2013

CAER contributes to UK's mission of instruction, impacting students at the K-12, undergraduate, graduate, and postdoctoral levels.

M. Crocker - External examiner for the Ph.D. defense of Damien Farrelly, University College Dublin. The thesis title was: Potential for Production of Microalgal Biomass in CO₂ Enhanced Gas Streams with Specific Focus on the Bio-Fixation of Carbon by Microalgae.

M. Crocker - Participated in a Ph.D. committee meeting for Soledad Yao (Chemistry)..

M. Crocker - Participated in a Ph.D. committee meeting for Ryan Loe (Chemistry)..

M. Crocker - participated in a Ph.D. committee, for the defense of Xinyi (Abby) E's Ph.D. (Biosystems & Ag Engineering).

Anne Harman-Ware - Gave Exit Seminar: Application of Pyrolysis-GC/MS to the Study of Biomass and Biomass Constituents to UK Chemistry Dept.

Bob Jewell Jack Groppo Rodney Andrews - Taught the EGR 542 and CME 599, Power Generation Technologies course.

Hower - organizing and team teaching Coal Geology class in Department of Earth & Environmental Sciences.

Kevin Henke - Teaching Geochemistry (EES 530 for Fall Semester).

Jack Groppo ; Rodney Andrews - Teaching Power Generation Technologies (ERG 542/CME 542).

Anne Oberlink - Met with three science teachers from Fayette County Schools on outreach project.

Anne Oberlink - Fayette County School student shadowed Anne for a full day.

Anne Oberlink - Meeting with teachers to discuss planned science experiments for Fayette County School.

M. Crocker - Session co-chair (Fischer-Tropsch Catalysts) at the 23rd North American Catalysis Society meeting, Louisville, KY.

Jack Groppo - Assisted Xiang Yu, PhD Candidate from WVU, with experimental setup and use of equipment at CAER to obtain data for completion of dissertation research on picoobubble generation for flotation.

Hower - Teaching combined 400-level/600-level coal petrology class in U KY Department of Earth & Environmental Sciences.

Hower - Reader for chemistry PhD dissertation from University of Karachi.

Hower - Attended review meeting of thesis proposal for Alice O'Bryan (UK EES).

Cameron Lippert - Continued mentoring two undergraduate students at the University of Kentucky on inorganic/organic synthesis, electrochemistry, experimental design, and safety..

Cameron Lippert - Mentoring a high school student in general lab practices and safety.

M. Crocker - Participated a Ph.D. committee meeting for Soledad Yao (Chemistry).

M. Crocker - Participated in a Ph.D. oral qualifier exam for Xinyi (Abby) E in the Biosystems & Agricultural Engineering Dept..

M. Crocker - Participated in Justin Mobley's Ph.D. oral qualifier exam (Chemistry)..

M. Crocker - Taught half of the CHE 580: Principles and Applications of Catalysis course in the Chemistry Dept..

G. Jacobs; U. Graham - Organized (and co-chaired 6 sessions) of the ACS Symposium entitled "Energy and Fuels Distinguished Researcher Award in Petroleum Chemistry: Symposium in Honor of Burtron H. Davis," Spring 2013 New Orleans National Meeting and Exposition..

Rodney Andrews - Lectured to the UK STEAM Class.

Jack Groppo - "Ash Beneficiation &Advanced Materials/Applications", The Science of Ash Utilization Short Course, World of Coal Ash, Lexington, KY, April 22, 2013.

Hower - Member of PhD committee for University of Kentucky Earth & Environmental Sciences.

M. Crocker - Set and graded an oral qualifier exam for a graduate student (Abby E) in the Dept. of Biosystems & Agricultural Engineering.

John Anthony - Informal Chat for Young Researchers.

Courtney Fisk, Jeff Mossey & Glenn Hutchison - NSF Webinar for EPSCoR.

Kunlei Liu Jim Neathery Joe Remias - Organized and hosted Carbon Capture 101 Workshop to provide Industry with detailed technical knowledge appropriate to enable more informed decision making when it comes to implementation of carbon capture technology going forward..

Uschi Graham - Served on Ph.D. committee for U.K. Dept. of Plant and Soil Science.

Jack Groppo ; Mike Wilson - Presented lectures on "Electricity Production" and "CO2 Capture from Flue Gas with Microalgae" to College of Design Studio class.

Anne Oberlink - Participated/Judged in the Lexington Traditional Magnet School Science Fair.

Anne Oberlink ; Bob Jewell - Science classroom outreach at Russell Cave Elementary.
