



YOU ARE INVITED to an NSF- Sponsored Workshop to learn more about the IMOS course.

Sunday December 8, in parallel with the 2019 AMRS Meeting in Arusha.

The Impact of Materials on Society (IMOS) course is an novel introductory level course for undergraduate students, pioneered at the University of Florida, in partnership with the Materials Research Society, NSF and the Department of Defense. The course bridges engineering, sociology and humanities and has been shown to increase the number of materials science students significantly. This freshman course is for engineering and non-engineering students alike. (<http://www.mrs.org/impact-of-materials-on-society>)



IMOS Course Curriculum Objectives:

- Identifying how engineering shapes and is shaped by social and cultural variables,
- Understanding that a career in engineering is not only about math and science, but also about social problem-solving.
- Creating more socially literate Engineers
- Encouraging interdisciplinary team-building
- Preparing engineering students to work with experts from different disciplines to address social needs.

The workshop will teach you how to access all of the materials (they are all free) including lecture videos, powerpoint slides of all lectures, future materials videos, open source textbook, syllabus, exams etc. Everything you need to offer the class at your institution is available on line.

We hope you can join us. Feel free to share this invitation with colleagues.

Agenda

8:15-8:45 Welcome to IMOS! Introduction of Workshop Participants and Discussion of your curricular needs and challenges.

8:45-9:30 What is it? Overview of the IMOS Course

Introduction to the syllabus and material covered in the course, and the key accomplishments of the course at the University of Florida.

9:30-10:30 BREAK

10:30-12:30 How do you teach the class? Review the IMOS Course website (<http://www.mrs.org/imos-course>) and a short presentation on Modules 1-5 (Clay, Ceramics, Concrete, Copper, Gold)

12:30 - 1:30 LUNCH

1:30-3:30 Review Modules 6 -10 (Steel, Aluminum, Plastics, Paper, Semiconductors)

3:30-4:00 Bringing It All Together: Course Assessments, Poster Session, Sample Exams, Course Evaluations

Don't hesitate to contact us if you have questions

Kevin Jones

kjones@eng.ufl.edu

Department of Materials Science and Engineering, University of Florida

Debra L. Dauphin-Jones

ddjones531@gmail.com

Co-instructor, IMOS Workshop

Instructors: Kevin S. Jones and Debra L. Dauphin-Jones