

EMA 6936 Seminar in MSE (Fall 2020)

Seminar in Materials Science and Engineering

EMA 6936 Section 13969

Class Periods: Tuesday, 8th period, and 3:00 – 3:50 pm

Location: Zoom

Academic Term: Fall 2020

Instructor:

Michele Manuel (Myers)

mmanuel@mse.ufl.edu

Phone: 352.846.3300

Office Hours: Tuesday 2:00 – 3:00 pm or by appointment

Staff Assistant:

Please contact through the Canvas website

- Nekia Jones, nekiajones@mse.ufl.edu, Rhines 100

Course Description

Offered in fall and spring. Required of all students.

Course Pre-Requisites / Co-Requisites

None

Course Objectives

By the end of this course, students will be able to think critically about presented topics and provide insights about their applications, future research directions, etc.

Materials and Supply Fees

None

Required Textbooks and Software

None

Recommended Materials

None

Course Schedule

Week 1 (09/01): *Professor Michele Manuel, University of Florida*

Week 2 (09/08): *Counseling & Wellness Center, University of Florida*

Week 3 (09/15): *Graduate School, University of Florida*

Week 4 (09/22): *Kathryn Krycka, National Institute of Standards and Technology*

Week 5 (09/29): *Professor Ricardo Castro, University of California*

Week 6 (10/06): *Dr. Jim De Yoreo, Pacific Northwest National Laboratory*

Week 7 (10/13): *Professor Anita Shukla, Brown University*

Week 8 (10/20): *Nita Sahai, University of Akron*

Week 9 (10/27): *Professor Aldo Boccaccini, Institute of Biomaterials*

Week 10 (11/03): *Dr. William Goodrum, Elder Research*

Week 11 (11/10): *Professor Allison Beese, Pennsylvania State University*

Week 12 (11/17): *Dr. Samuel Chigome, Botswana Institute for Technology Research and Innovation*

Week 13: *No seminar*

Week 14 (12/01): *Professor Reginald Hamilton, Pennsylvania State University*

Week 15 (12/08): *Professor Efrain Rodriguez, University of Maryland*

Attendance Policy, Class Expectations, and Make-Up Policy

Attendance is **required** and is taken before each seminar begins. Please be prepared to present your UF ID card or other legal picture identification (driver's license or passport) to staff. **Arrive on time:** you will not receive credit for the day's seminar **after**

3:05 p.m. Stay for the entire class: students who leave early will be reported to the student honor court for cheating. You will receive an unsatisfactory (U) for this course. Furthermore, the honors court will assign additional educational sanctions, including completion of courses from the following: Avoiding Plagiarism Workshop, Ethical Decision-Making Seminar, and Reflection Paper (see the Faculty Student Resolution Form online for more information). Also, see the section called the “University Honesty Policy” below.

Students are expected to behave professionally during the seminar. No talking, reading, laptop/tablet/notebook/smart-phone activity, etc. is allowed. Students should pay attention to the speaker, actively engage, facilitate and enhance the learning atmosphere, and be courteous at all times. Students who do not behave appropriately will be asked to leave and will not receive attendance credit that day.

Evaluation of Grades

This class offers 14 seminars during class hours in Fall 2020, and students must attend **13** for satisfactory completion. Up to **4** make-up seminars from MSE are allowed, to replace missed seminars, but they must be materials related. Students **must** obtain approval for the make-up seminar topic from Dr. Manuel **prior** to the make-up seminar.

The following activities are allowable to replace missed seminars:

- Other departmental seminars: A listing of seminars across the UF engineering departments can be found at: <https://www.eng.ufl.edu/news-events/events-calendar/>
- Professional conferences: Up to two (2) conference presentations of individuals other than yourself, your advisor or someone in your research group can be used as a make-up seminar.

Furthermore, students **must** fill out the make-up form on Canvas. The form must include the following information:

- Title of the seminar/presentation
- Name of the speaker
- Hosting department (if applicable)
- Time and place of the seminar
- One paragraph summary **and** one paragraph analysis/critique of the presentation

These should be turned in to Dr. Manuel. Students who know that they cannot attend 13 official seminars/make-up seminars/conferences/workshops in the semester due to other obligations (e.g., TA schedule conflicts or any off-campus internships) must drop the course before drop/add date in the semester.

Online Course Recording

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

F2F Course Policy in Response to COVID-19

We will have face-to-face instructional sessions to accomplish the student learning objectives of this course. In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements. Please utilize designated seats and maintain appropriate spacing between students. Please do not move desks or stations.
- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.
- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms ([Click here for guidance from the CDC on symptoms of coronavirus](#)), please use the UF Health screening system and follow the instructions on whether you are able to attend class. [Click here for UF Health guidance on what to do if you have been exposed to or are experiencing Covid-19 symptoms](#).
- Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work. [Find more information in the university attendance policies](#).

Grading Policy

Arrive on time: you will not receive credit for the day's seminar **after 3:05 p.m.** **Stay for the entire class:** students who leave early will be reported to the student honor court for cheating. You will receive an unsatisfactory (U) for this course.

More information on UF grading policy may be found at: <http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#grades> ([Links to an external site.](#))

Students Requiring Accommodations

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <https://www.dso.ufl.edu/drc>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Course Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/> ([Links to an external site.](#)). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluer.com/ufl/> ([Links to an external site.](#)). Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/> ([Links to an external site.](#)).

University Honesty Policy

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (<https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/> ([Links to an external site.](#))) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If

you have any questions or concerns, please consult with the instructor or TAs in this class.

Commitment to a Safe and Inclusive Learning Environment

The Herbert Wertheim College of Engineering values broad diversity within our community and is committed to individual and group empowerment, inclusion, and the elimination of discrimination. It is expected that every person in this class will treat one another with dignity and respect regardless of gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture.

If you feel like your performance in class is being impacted by discrimination or harassment of any kind, please contact your instructor or any of the following:

- Your academic advisor or Graduate Program Coordinator
- Sonya Robinson, MSE-NE Human Resources Lead, 352-846-3769, mse-hr@eng.ufl.edu
- Curtis Taylor, Associate Dean of Student Affairs, 352-392-2177, taylor@eng.ufl.edu
- Toshikazu Nishida, Associate Dean of Academic Affairs, 352-392-0943, nishida@eng.ufl.edu

Software Use

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

Student Privacy

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see: <https://registrar.ufl.edu/ferpa.html> (Links to an external site.)

Campus Resources:

Health and Wellness

U Matter, We Care

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Counseling and Wellness Center

[\(Links to an external site.\)](#)

UF's Counseling and Wellness Center (CWC) believe that the college years are a time for change, growth, inquiry, and development, and strive to help students learn the skills to cope with the stresses of change and growth so they are better able to learn and thrive after their time as a student is over. <http://www.counseling.ufl.edu/cwc> [\(Links to an external site.\)](#), and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Discrimination, Harassment, Assault, or Violence

If you or a friend has been subjected to sexual discrimination, sexual harassment, sexual assault, or violence contact the [Office of Title IX Compliance](#) [\(Links to an external site.\)](#), located at Yon Hall Room 427, 1908 Stadium Road, (352) 275-1242, title-ix@ufl.edu

Sexual Assault Recovery Services (SARS)

Student Health Care Center, 392-1161.

University Police Department at 392-1111 (or 9-1-1 for emergencies), or <http://www.police.ufl.edu/>. [\(Links to an external site.\)](#)

Academic Resources

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. <https://lss.at.ufl.edu/help.shtml> [\(Links to an external site.\)](#).

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling. <https://www.crc.ufl.edu/> (Links to an external site.).

Library Support, <http://cms.uflib.ufl.edu/ask> (Links to an external site.). Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <https://teachingcenter.ufl.edu/> (Links to an external site.).

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. <https://writing.ufl.edu/writing-studio/> (Links to an external site.).

Student Complaints

Campus: https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf (Links to an external site.).

On-Line Students Complaints: <http://www.distance.ufl.edu/student-complaint-process> (Links to an external site.).