

## **Seminar in Materials Science and Engineering**

EMA 6936 Section 13969

**Class Periods:** Tuesday, 8<sup>th</sup> period, and 3:00 – 3:50 pm

**Location:** Rhines 125

**Academic Term:** Spring 20

### ***Instructor:***

Michele Manuel (Myers)

[mmanuel@mse.ufl.edu](mailto:mmanuel@mse.ufl.edu)

Phone: 352.846.3780

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

### ***Staff Assistant:***

Please contact through the Canvas website

- Venice Walker, [vwalker@mse.ufl.edu](mailto:vwalker@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:	Professor Michele Manuel, University of Florida
Week 2:	Professor Siddha Pimputkar, Lehigh University
Week 3:	Professor Julia Glaum, Norwegian University of Science and Technology
Week 4:	Dr. Kevin Anderson, Mercury Marine
Week 5:	Professor Amit Misra, University of Michigan
Week 6:	Dr. Cheol Park, NASA Langley Research Center
Week 7:	Dr. Celeste Melamed, Colorado School of Mines
Week 8:	To be determined
Week 9:	Professor Jeremy Goldman, Michigan Technological University
Week 10:	Professor Pao-Tai, Texas A&M University
Week 11:	Professor Anita Shukla, Brown University
Week 12:	To be determined
Week 13:	To be determined
Week 14:	To be determined
Week 15:	Professor David McDowell, Georgia Tech

### ***Attendance Policy, Class Expectations, and Make-Up Policy***

Attendance is **required** and is taken before each seminar begins. Please 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. Students are expected to sit towards the front of the classroom. No talking, reading, laptop/tablet/notebook/smart-phone activity, etc. is allowed. Students should pay attention to the speaker, actively engage in the seminar that day, 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 15 seminars during class hours in Fall 2019, and students must attend **13** for satisfactory completion. Up to 4 make-up seminars from MSE and other departments 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. Furthermore, students **must** fill out the make-up form on Canvas, and a present faculty member at that seminar **must** sign the form to verify student's attendance. These should be turned in to Dr. Manuel. Attendance at conferences or workshops, verified through either a receipt or notice from the student's advisor (a quick email is fine), **will also count** as seminar attendance that week, and the same make-up form on Canvas must be sent to the course facilitator; such conference or workshop attendance counts against the 4 make-up classes. 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.

### ***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>

### ***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/>. 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.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

### ***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/>) 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
- Robin Bielling, Director of Human Resources, 352-392-0903, [rbielling@eng.ufl.edu](mailto:rbielling@eng.ufl.edu)
- Curtis Taylor, Associate Dean of Student Affairs, 352-392-2177, [taylor@eng.ufl.edu](mailto:taylor@eng.ufl.edu)
- Toshikazu Nishida, Associate Dean of Academic Affairs, 352-392-0943, [nishida@eng.ufl.edu](mailto: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>

### ***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](mailto: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:** <http://www.counseling.ufl.edu/cwc>, 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**, located at Yon Hall Room 427, 1908 Stadium Road, (352) 273-1094, [title-ix@ufl.edu](mailto: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/>.

## Academic Resources

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

**Career Resource Center**, Reitz Union, 392-1601. Career assistance and counseling. <https://www.crc.ufl.edu/>.

**Library Support**, <http://cms.uflib.ufl.edu/ask>. 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/>.

**Writing Studio, 302 Tigert Hall**, 846-1138. Help brainstorming, formatting, and writing papers.  
<https://writing.ufl.edu/writing-studio/>.

**Student Complaints Campus:** [https://www.dso.ufl.edu/documents/UF\\_Complaints\\_policy.pdf](https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf).

**On-Line Students Complaints:** <http://www.distance.ufl.edu/student-complaint-process>.