

Fall 2015 Syllabus: EMA 4161
Polymers Laboratory

1. **Course Description:** (1 credit hours) – This course provides hands-on lab experience for students in Polymer Physics (EMA4161).
2. **Pre-requisites and Co-requisites:** EMA 3066 – Introduction to Organic Materials
3. **Course Objectives:**
 - Develop an understanding of structure-property relationships in polymers
 - Conduct experiments to characterize the structure and properties of polymers
 - Characterize and design polymer processes within realistic physical constraints
 - Understand the societal impacts of polymer processing
 - Develop communication skills
 - Develop lifelong learning skills
4. **Contribution of course to meeting the professional component:**

This course provides 1 credit towards Engineering. This course addresses the following MSE Program outcomes:

 - Ability to apply knowledge of mathematics, science, and engineering to materials systems. (High coverage)
 - Ability to identify, formulate, and solve engineering problems.
5. **Instructor:** Dr. Antonio Webb
 - Office location: Rhines Hall 217
 - Telephone: 352-392-6551
 - E-mail address: awebb@mse.ufl.edu
 - Class Web site: The course website can be found on the Canvas system <http://lss.at.ufl.edu>. There you can find the course syllabus, lecture notes, grades, and announcements. Check it frequently.
6. **Teaching Assistant:** Darcy Lichlyter
dlichlyter@ufl.edu
7. **Office hours:** Tuesday and Thursday 2:00-3:00 pm and by appointment
The TA's office hours to be announced
8. **Meeting Times:** Thursday Periods 9-11 (4:05-7:05pm)
9. **Meeting Location:** Mechanical and Aerospace Engineering Building B, Room 229 (MAEB 229)
10. **Material and Supply Fees:** \$50
11. **Textbooks and Software Required:**

Title: Introduction to Physical Polymer Science, 4th Edition
Author: L.H. Sperling
Publisher: Wiley, ISBN-13: 978-0-471-70606-9
12. **Attendance and Expectations:** Attendance is mandatory to complete lab assignments

13. **Exams:** No exams will be given for the lab.
14. **Exam Conflicts with other course exams:** N/A
15. **Make-up exams:** Make up labs will be provided only with the *approval of the instructor in accordance with university policies.* (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>) In general, acceptable reasons for excused absence from an exam include illness, serious family emergencies, special curricular requirements, military obligation, court-imposed legal obligations, and religious holidays. In all cases, you will be required to provide written documentation, and obtain instructor approval. You will not be excused from any exam without following the policy above, with no exceptions. Students not in attendance for the scheduled exam will receive a score of zero. Make-up exams for excused absences as well as exam conflicts must occur within 1 week of the missed exam, and may occur before the missed exam.
16. **Homework Exercises:** Lab exercises and reports will be assigned regularly throughout the semester. **No late assignments will be accepted.**
17. **Grading:** 100%: Lab reports

18. **Grading Scale:**

Percentage	≥92	≥88	≥84	≥80	≥76	≥72	≥68	≥65	≥62	≥59	≥56	<56
Letter Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
Grade Points	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	0.67	0.00

19. **Honesty Policy:** All students admitted to the University of Florida have signed a statement of academic honesty committing them to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a UF student and to be honest in all work submitted and exams taken in this course and all others. Note that failure to comply with this commitment will result in disciplinary action compliant with the UF Student Honor Code Procedures. See <http://www.dso.ufl.edu/sccr/procedures/honorcode.php>
20. **Accommodation for Students with Disabilities:** Students Requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.
21. **UF Counseling Services:** Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:
- UF Counseling & Wellness Center, 3190 Radio Rd, 392-1575, psychological and psychiatric services.
 - Career Resource Center, Reitz Union, 392-1601, career and job search services.
22. **Software Use:** All faculty, staff and student 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.