Welcome to CHEM 482. This course syllabus outlines the agreement between instructor and student for the duration of the semester. The schedule is subject to change (i.e. due to inclement weather or unforeseen circumstances), but the course policies are NOT. Please note that this content is also available on Desire2Learn and students should refer to the course website often for class updates and announcements.

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D2L Course Website:  
https://millersville.desire2learn.com

Lecture: 8-8:50 am T/Th; Roddy 154

Course Objectives
1. To become accomplished dissecting polymer literature and analyzing it for value
2. To become competent discussing applications of polymers
3. To become comfortable reading polymer literature
4. To gain a vocabulary to discuss polymer chemistry and its applications

Course Evaluation
Course evaluation is based on in-class discussion, homework handouts, and literature reviews, to be presented by the student in class. Course evaluation schemes are given below:

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<tbody>
<tr>
<td>Take Home Final</td>
<td>20%</td>
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<tr>
<td>Journal</td>
<td>20%</td>
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<tr>
<td>Homework Handouts (five)</td>
<td>30%</td>
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<td>Literature Reviews (three)</td>
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<tr>
<td><strong>Total Class %</strong></td>
<td><strong>100%</strong></td>
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<th>Letter Grade</th>
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<tr>
<td>A</td>
<td>≥94.0%</td>
<td>C</td>
<td>74.0-77.9%</td>
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<td>A-</td>
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<td>B+</td>
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<td>B</td>
<td>84.0-87.9%</td>
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<td>64.0-67.9%</td>
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<td>B-</td>
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<td>60.0-63.9%</td>
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<td>C+</td>
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Dates to note:
August 27th – First day of Classes  
Sep. 3rd – NO CLASS  
Sep. 4th – Drop/Add ends  
Oct. 6th – Oct. 9th – NO CLASS  
Nov. 2nd – Last day to Withdraw  
Nov. 21st – Nov. 25th - NO CLASS  
Dec. 11th – 15th – Finals  
Dec. 16th – Fall Term Ends

Lecture

Required Lecture Materials
1. Daily online access to the Chemistry 235 D2L course website
2. A Millersville email account
   - If you do not check your Millersville email daily, then make sure it forwards to your primary email
3. A SciFinder account

Tentative Lecture Schedule

Module

Solar Cells and Electronics

Stimuli Responsive Polymers

Adhesives

Coatings

Biotechnological Applications

Note: If a class is canceled due to bad weather, then the missed assignment will be given the next time the class meets. Check the Millersville University website for campus closure due to storms.

General Course Policies

• Safe and Productive Environment: Millersville University and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment, comply with Title IX of the Education Amendments of 1972, 20 U.S.C. §1681, et seq., and act in accordance with guidance from the Office for Civil Rights, the University requires faculty members to report to the University’s Title IX Coordinator incidents of sexual violence shared by students. The only exceptions to the faculty member’s reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report to the person designated in the University Protection of Minors policy incidents of sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred. Information regarding the reporting of sexual violence, and the resources that are available to victims of sexual violence, is available at www.millersville.edu/titleix

• Attendance: Students are expected to attend every lecture. Please email Dr. Allen if you suspect you will be unable to make it.

• Make-up Policy: No make-ups are permitted, except in the case of excused absences.

Please see the University Attendance Policy for more information. Flexibility in the above policies is at the instructor’s discretion. http://www.millersville.edu/registrar/faculty/attendance_policy.php

• Homework Handouts: Handouts will be given per module. You will have three weeks to complete each handout. You may work with each other, you may come speak with the instructor about content, or you may work on your own. Short periods may be given during classtime to address particularly complicated questions on the handout. There are five handouts. One per module.

• Journal: Each student should keep a composition notebook. Every week a new paper will be assigned to be read, due Thursday. The composition book should be divided by week. Each week should contain the following sections:
  o Date
• **Article citation**
• **Terms you don’t know from the paper**
• **A 1-2 sentence summary of each paragraph of the paper – with comments/questions as needed to clarify the point being made. These will be the basis for our discussion in class on Thursdays and will be graded on completion.**

**Literature Reviews:** Each student is to present three 15 minute lit reviews periodically throughout the semester. These are encouraged to each be on a different module. This literature review must be on a single journal article, and should also delve into work previously done by the authors that built to this paper. Plan on presenting on at least two papers. These must be presented as a powerpoint, and every graphic and novel information must be referenced ON SLIDE. No outline slides!

- Begin with a description of WHAT you are reviewing: i.e. polymers used as bandages because they can be flexible, sterile (antiseptic), and may dissolve over time
- Do not go into too much detail! Stick to: Author, Title, general purpose, how the purpose was proven (i.e. what techniques and how do those techniques work?), then if they were successful/conclusions.
- Finish by summarizing what you reviewed.
- Grading will be determined by:
  - Length of presentation
  - Clarity of presentation
  - Comprehensive nature of what was presented
  - Quality of presentation slides

**Academic Accommodations:** Please see the Office of Learning Services in Lyle Hall (http://www.millersville.edu/learningservices/) as soon as possible if you have special learning needs for this class.

**Don't Be a Distraction:** Feel free to ask questions in lecture; however, socializing and chatting during class is rude and unfair to those students interested in learning and participating. If you persist in talking during class, you will be asked to leave. Please note that the instructor reserves the right to take disruptive behavior such as habitual tardiness, frequent or excessive talking during class, cell phone disruptions, or leaving before class is over, into account when determining your final grade.

**Academic Honesty Policy:** If you break the academic honesty policy of Millersville University, there are severe penalties. A failing grade will be assigned and you may be prosecuted by an Academic Review board. Actions that Violate the Academic Honesty Policy are:

- **Plagiarism** – Plagiarism is the inclusion of someone else’s words, ideas, or data as one’s own work.
- **Fabrication** – Fabrication is the falsification of research or other findings.
- **Cheating** – Cheating is the act or attempted act of deception by which an individual tries to misrepresent that he/she has mastered subject matter in an academic project or the attempt to gain an advantage by the use of illegal or illegitimate means.
- **Academic Misconduct** – Academic misconduct is the violation of University policies by tampering with grades or participating in the distribution of any part of a test before its administration.