**Course Syllabus**  
**BIO5340: Structure and Function of Macromolecules (CRN# 27081)**  
**Spring 2014**

**Classroom:** Classroom Bldg C303, *Limited ADA Access 
**Instructor:** Dr. Hugues Ouellet  
**Office:** Bioscience Research Bldg 5.152; **Laboratory:** Bioscience Research Bldg 5.216  
**Email:** houellet@utep.edu  
**Phone:** 915-747-6607; lab 8944  
**Class Hours:** TR 3:00-4:20 pm; **Office Hours:** TR: 1:00-2:30 pm

*Student with disabilities:* If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.


**Other material:**  
Slides and articles for discussion will be available on BlackBoard.

**Course Description:** BIO5340 is a 3-credit graduate course that consists of a descriptive analysis of the major classes of macromolecules (proteins, and the factors influencing their structure and function. structure and function of the major classes of macromolecules (proteins, nucleic acid and lipids). The students will be evaluated on the material covered in class during the lectures and will be asked to write an essay and present orally on suggested topics.

**Expected Outcomes:** At the end of this course, students should be familiar with the basic aspects of the four major classes of macromolecules (proteins, lipids, nucleic acids and polysaccharides). Finally, you should have gained confidence in reading and interpreting primary-source scientific articles enhanced your scientific writing abilities.

**Attendance:**  
Attendance is not only critical to pass this course, but is mandatory. **Instructions** will be given at the beginning of the class and will NOT be repeated by email unless serious justification. Students are therefore expected to attend and arrive on time.

**Evaluation:**

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<thead>
<tr>
<th><strong>Test</strong></th>
<th><strong>Tentative date</strong></th>
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<tbody>
<tr>
<td>Oral presentation (25%)</td>
<td>TBA</td>
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<tr>
<td>Essay (25%)</td>
<td>TBA</td>
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<tr>
<td>Mid-term exam (25%)</td>
<td>March 5, 2013</td>
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<tr>
<td>Final exam (25%)</td>
<td>Dec. 14, 2013</td>
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**Essay and Oral Presentation:** Students will be asked to read a series of scientific articles related to one class of macromolecules and present a summary in writing and orally. Guidelines will be given and a schedule of presentation will be established in class.

**Mid-term and Final Exams:** The two exams will be comprehensive and will each cover half of the material covered in class. Both exams will consist of multiple choice and short answer questions.

**Grading:** Grade will be awarded as follows: A= 100-90%, B= 89.9-80%, C= 79.9-70%, D= 69.9-60% and F= < 60%.

**Important dates:**
Drop deadline: April 4 2014