# Summer 2014 Schedule

MWF 1:30-4:20

<table>
<thead>
<tr>
<th>Date</th>
<th>Lab</th>
<th>pages</th>
<th>Assignment for that lab and when it is due</th>
</tr>
</thead>
<tbody>
<tr>
<td>W, May 28th</td>
<td>Do I have an Alu insertion?</td>
<td>4-14</td>
<td>Handout due 5/30</td>
</tr>
<tr>
<td>F, May 30th</td>
<td>Analyzing my DNA Scientific writing</td>
<td>15-16</td>
<td>Quiz due 6/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17-18</td>
<td></td>
</tr>
<tr>
<td>M, June 2nd</td>
<td>How much protein is in milk?</td>
<td>19-26</td>
<td>Lab report due 6/4</td>
</tr>
<tr>
<td>W, June 4th</td>
<td>What proteins are in milk?</td>
<td>27-34</td>
<td>Handout due 6/6</td>
</tr>
<tr>
<td>F, June 6th</td>
<td>How are genes regulated? The Lac Operon</td>
<td>35-41</td>
<td>Lab report due 6/9</td>
</tr>
<tr>
<td>M, June 9th</td>
<td>Examining life</td>
<td>42-47</td>
<td>Quiz due 6/11</td>
</tr>
<tr>
<td>W, June 11th</td>
<td>What affects membranes?</td>
<td>48-52</td>
<td>Lab report due 6/13</td>
</tr>
<tr>
<td>F, June 13th</td>
<td>Genetic engineering 1: Plasmids</td>
<td>53-58</td>
<td>Combined genetic engineering report Due 6/18</td>
</tr>
<tr>
<td>M, June 16th</td>
<td>Genetic engineering 2: Transformation</td>
<td>59-62</td>
<td>Combined genetic engineering report Due 6/18</td>
</tr>
<tr>
<td>W, June 18th</td>
<td>Turn in last lab report</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Objective**

We will explore the techniques commonly utilized in molecular biology labs with an emphasis on analyzing and interpreting scientific data.

**Instructor**

Rosemarie Doris, PhD  
Office: Hall-Atwater Room 251  
Phone: (860) 685-2697  
r doris@wesleyan.edu
Evaluation

The grading mode for this course is credit/unsatisfactory (pass/fail). In order to receive credit for the course:

1. All labs must be attended
2. All assessments must be satisfactorily completed

Attendance

In this course, learning takes place within the lab environment; if you’re not present for lab, you won’t be able to achieve the objectives of the class. As a result, if you do not attend every lab, you will receive a grade of unsatisfactory for the course. If you are sick or have an excused absence, please talk to me as soon as possible to make alternative arrangements. It is highly recommended that you also speak with your class dean and obtain a dean’s excuse to ensure that you will not be penalized for missing lab.

Satisfactory completion of assignments

There will be 2 handouts, 2 quizzes, and 4 lab reports. You must receive a passing grade (≥ 60%) on all of these in order to receive credit for the course.

Specific details about how to write a lab report are included on pages 17 and 18 and will be discussed the week of June 2nd.

Assignments handed in late will be penalized 5% if they are not turned in at the beginning of the lab period. Assignments will lose 10% for each additional day they are late.
Policies and guidelines

Safety
During the first lab session, your instructor will show you the location safety equipment in the lab and will review basic safety issues. Be sure to report all accidents or injuries immediately.

Come to lab in proper lab attire (long pants and closed toed shoes). Depending on the particular experiment, you may be required to wear a lab coat, safety glasses, and/or gloves. Throughout the semester, we will be working with a variety of chemical agents. Because of this, absolutely no food, drinks, or water bottles should be out during lab. For your own personal wellbeing, always wash your hands before leaving lab.

Disabilities
Students with disabilities must register with Disabilities Services and discuss their situation with me by so that appropriate arrangements can be made. The procedure for registering with Disabilities Services can be found at www.wesleyan.edu/deans/disability-students.html

Plagiarism
You will be working in groups and it is expected that you will share and discuss your experimental results with lab mates; however, you must write your reports separately. Wesleyan’s official guidelines on dealing with copying and other incidents of plagiarism can be found at http://www.wesleyan.edu/studenthandbook/3_honorsystem.html