Dates:

Jan. 26       Exercise 1. Introduction
Feb. 2        Exercise 2. Light Microscopy: Cell Structure
Feb. 9        Exercise 3. Amino Acid, Buffers & pH
Feb. 16       Exercise 4. Protein Structure & Assays
Feb. 23       Exercise 5. Enzyme Assay: Lysozyme
Mar. 2        Discussion and Review
Mar. 16       Mid-term exam.
Mar. 23       Exercise 7. Nucleic Acids & DNA Extraction
Mar. 30       Exercise 8. DNA Characterization
Apr. 6        Exercise 9. DNAGel Electrophoresis
Apr. 13       Exercise 10. Bacterial Transformation
Apr. 20       Exercise 11. Computer Analysis of DNA Discussion and Review
Apr. 27       Discussion and Review
Apr. 30       Final Exam

Instructors:
Dr. Shivendra Sahi
105 TCNW
745-6012
shiv.sahi@wku.edu

Attendance
Laboratory attendance is mandatory. Each absence will drop your final laboratory score by 10 points up to 30 points. More than three absences will result in your withdrawal from the course.

Laboratory Notebook
Students will be required to write up all laboratory exercises in a bound notebook, with the pages sewn into the notebook. Each day's laboratory data will be recorded directly in this book and each experiment must contain the following: Title, Date, Results, and Discussion or Summary. Answers to all questions found in section C must either be answered and turned in to your instructor or recorded in your notebook. Ask your instructor which method of reporting should be followed for answers to section C. The laboratory notebook is worth a total of 50 points.

Laboratory Exams
There will be two exams, a midterm and final exams on the dates noted. If you miss an exam and do not notify the instructor within 48 hours, there will be no make up. Each exam is worth 100 points.

Grades
There are a total of 335 possible points for the laboratory:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
</tr>
<tr>
<td>Attendance</td>
<td>30</td>
</tr>
<tr>
<td>Notebook</td>
<td>50</td>
</tr>
<tr>
<td>Quizzes or assignments</td>
<td>55</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>335</strong></td>
</tr>
</tbody>
</table>

The laboratory grade will be determined by the percentage of points earned. The following scale will be used to determine grades:

- A 90% to 100%
- B 80% to 89.99%
- C 70% to 79.99%
- D 60% to 69.99%
- F less than 60%

Academic Integrity
It is expected that each student will do his/her own work at all times and contribute equitably in all group projects. Dishonesty, in any form (cheating on quizzes or exams, plagiarism, copying another's assignment answers, etc.) will result in a failing grade.

Students with disabilities
"Students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Office for Student Disability Services, Room 445, Potter Hall. The OFSDS telephone number is (270) 745-5004 V/TDD. Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services."