Table of Contents

Schedule ii
Safety Regulations iii
Fume Hood Utilization Guidelines vii
Evacuation Procedures viii
Evaluation and Grading Outline ix
Laboratory Summary Guidelines xi
University Policy on Academic Integrity xv
Calculation Exercise xvii
Literature Exercise xviii
Lab 1 – Introduction to Bioinformatics 1-1
Lab 2 – pH and Properties of Buffers 2-1
Lab 3 – Determination of Protein Concentration 3-1
Lab 4 – Purification of β-Galactosidase from E. coli 4-1
Lab 5 – Culturing Hybridoma Cells and Immunodetection 5-1
Lab 6 – Study of Reversible Inhibition using β-Galactosidase 6-1
Appendix A – Pipetting Guide A-1
Appendix B – Review of Calculations and Dilutions B-1
Appendix C – Using the Novaspec Spectrophotometer C-1
Appendix D – Procedure for Setting up a Polyacrylamide Gel in a Bio-Rad Mini Protean™ 3 Electrophoresis Cell D-1
Appendix E – Procedure to Dry Gels Using a Plexiglass Frame E-1
Appendix F – Separation of Proteins by SDS-PAGE F-1
Appendix G – Media and Reagent Recipes G-1
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Lab(s)</th>
<th>Day 1</th>
<th>Day 2</th>
<th>Due Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>May 8,9</td>
<td>Introduction Lab 1: Bioinformatics Lab 2: pH &amp; Buffers Lab 3: Determination of Protein Concentration</td>
<td>Introduction Lab 1: Bioinformatics in CLE A105 (Comp. lab) Lab 3: Buffer Calculations</td>
<td>Safety Talk Lab 2: Buffer calculations Lab 3: Lowry solution prep</td>
<td>Day 1: Lab 3 Calculations Day 2: Lab 2 Calculations Academic Integrity Assignment (complete by Sun, May 11, by 11:59 pm)</td>
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<td>2</td>
<td>May 15,16</td>
<td>Literature Exercise Lab 2: Buffer and pH</td>
<td>Lab 2: pH &amp; Buffers</td>
<td>Literature Exercise (In Library Classroom 130)</td>
<td>Day 1: Lab 1 Summary Day 2: Calculation Exercise</td>
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<td>3</td>
<td>May 22, 23</td>
<td>Lab 3: Determination of Protein Concentration</td>
<td>Lab 3: Biuret, Lowry, Bradford, $A_{280}$</td>
<td>Lab 2: Buffer calculations Lab 3: Lowry solution prep</td>
<td>Day 1: Lab 2 Summary Day 2: Literature Exercise &amp; Lab 3 Practical (due at 2:30pm)</td>
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<tr>
<td>4</td>
<td>May 29, 30</td>
<td>Lab 4: Purification of β-galactosidase</td>
<td>Lab 4: AS precip, GPC, IEC</td>
<td>Lab 4: Destain gel</td>
<td>Day 1: Lab 3 Summary</td>
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<td>5</td>
<td>June 5, 6</td>
<td>Lab 4: Purification of β-galactosidase</td>
<td>Lab 4: Prepare &amp; Run SDS-PAGE</td>
<td>Lab 4: Destain gel</td>
<td>Quiz on Labs 1-3</td>
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<td>6</td>
<td>June 12, 13</td>
<td>Lab 4: Purification of β-galactosidase Lab 5: Hybridomas &amp; Immunodetection</td>
<td>Lab 4: Lowry assay &amp; β-gal assay</td>
<td>Lab 5: Coat ELISA plate, Subculture hybridoma cells</td>
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<td>7</td>
<td>June 19, 20</td>
<td>Lab 5: Hybridomas &amp; Immunodetection</td>
<td>Lab 5: Harvest Secreted Antibody, ELISA</td>
<td>Lab 5: Coat ELISA plate, Subculture hybridoma cells</td>
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<td>8</td>
<td>June 26, 27</td>
<td>Lab 5: Hybridomas &amp; Immunodetection</td>
<td>Lab 5: SDS-PAGE &amp; Transfer</td>
<td>Lab 5: Image gel &amp; Develop blot</td>
<td>Day 1: Antibody Titre Graph</td>
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<td>9</td>
<td>July 3, 4</td>
<td>Lab 6: Reversible Enzyme Inhibition</td>
<td>Lab 6: Reversible Inhibition</td>
<td>Lab 6: Reversible Inhibition</td>
<td>Quiz on Labs 4-5</td>
</tr>
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<td>10</td>
<td>July 10, 11</td>
<td>Hand-in Lab 6 Report</td>
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<td>Day 1: Lab 6 Summary</td>
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<td>11</td>
<td>July 17, 18</td>
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<td>Final Exam in HHB 116 from 1:30-4:30pm</td>
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<td>12</td>
<td>July 24, 25</td>
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Evaluation

The final mark will be based on:

- lab summaries  30%
- lab journal  10%
- practical assessment  10%
- quizzes  15%
- final exam  35%

Final grades will be strictly determined as follows:

- 90.00 – 100%   A+
- 85.00 – 89.99%  A
- 80.00 – 84.99%  A–
- 77.00 – 79.99%  B+
- 73.00 – 76.99%  B
- 70.00 – 72.99%  B–
- 65.00 – 69.99%  C+
- 60.00 – 64.99%  C
- 50.00 – 59.99%  D
- ≤ 49.99%      F
- ≤ 49.99%   N*

*N is assigned if a student did not write the examination or complete course requirements by the end of the term or session. N is a failing grade, and it factors into a student’s GPA as O. The maximum percentage that can accompany an N on a student’s transcript is 49.

Attendance

Laboratory attendance and punctuality is compulsory. Failure to attend a lab or to arrive on time for a lab without prior arrangement or a written medical excuse may result in the forfeit of all marks associated with the lab. A change of lab section must be arranged with the lab instructor prior to the lab period.

Students who miss a lab are responsible for maintaining their lab journal and for obtaining the data in order to write up the lab report. This may involve a student performing the lab once they have recovered.

Lab Summaries (30%)

Lab summaries require that you present the results of your experiment and answer the posed questions in a numbered format (not essay format).