Principles of Metabolism (REVISED SCHEDULE)
Biology 303  Fall 2002

Section I. Fundamentals of Biological Chemistry
    Sept. 6  Class Introduction
1.  Sept. 9  Blackboard  Blackboard Participation is Required for this Class
2.  Sept. 11  Chapter 1  Molecular Logie*
3.  Sept. 13  Chapter 3  Fundamentals of Biochemistry
4.  Sept. 16  Chapter 3  Fundamentals of Biochemistry & Biomolecules
5.  Sept. 18  Chapter 4  Water

Section II. Molecular Properties of Biomolecules
6.  Sept. 20  Chapter 5-7 (excerpts)  Amino Acids, Protein structure
7.  Sept. 23  Chapter 5-7 (excerpts)  Amino Acids, Protein structure
8.  Sept. 25  Chapter 8  Enzymes
9.  Sept. 27  Chapter 8  More on Enzymes and their Regulation
10.  Sept. 30  Chapter 9  Carbohydrates
11.  Oct. 2  Chapter 11  Lipids*
Oct. 2  (8-9 am in Elvey Aud)  Exam I  Chapters 1, 3, 4, excerpts of 5-8

Section III. Intermediary Metabolism
12.  Oct. 4  Chapter 12  Biological Membranes & Transport
13.  Oct. 7  Chapter 13  Biosignaling
14.  Oct. 9  Chapter 14  Bioenergetics
15.  Oct. 11  Chapter 15  Glycolysis
17.  Oct. 16  Chapter 16  Citric Acid Cycle
18.  Oct. 18  Chapter 16  Citric Acid Cycle
19.  Oct. 21  Chapter 16  Regulation of the Citric Acid Cycle
20.  Oct. 23  Chapter 17  Fatty Acid Oxidation
21.  Oct. 25  Chapter 17  Fatty Acid Oxidation
22.  Oct. 28  Chapter 17  Fatty Acid Oxidation
23.  Oct. 30  Chapter 18  Amino Acid Oxidation
24.  Nov. 1  Chapter 18  Amino Acid Oxidation
25.  Nov. 4  Chapter 19  Oxidative Phosphorylation and Photosynthesis
26.  Nov. 6  Chapter 19  Oxidative Phosphorylation and Photosynthesis*
Nov. 6  (8-9 am in Elvey Auditorium)  Exam II  Chapters 8, 9, 11-18
Biology 303  Fall 2000

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<tr>
<th>Date</th>
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<td>Nov. 8</td>
<td>Chapter 19</td>
<td>Oxidative Phosphorylation and Photosynthesis</td>
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<td>Nov. 11</td>
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<td>Nov. 13</td>
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<td>Nov. 15</td>
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<td>Nov. 18</td>
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<td>Nov. 22</td>
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<td>Nov. 25</td>
<td>Chapter 22 (part)</td>
<td>Nitrogen Metabolism</td>
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<td>Nov. 27</td>
<td>(8-9 am in Elvey Auditorium)</td>
<td>Exam III   Chapters 19-21</td>
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<td>Nov. 29</td>
<td>Thanksgiving Holiday</td>
<td>No Classes</td>
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<td>Dec. 2</td>
<td>Chapter 23 &amp; Suppl. Text</td>
<td>Integration of Metabolism &amp; Review</td>
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Dec. 18  8:00-10:00 AM   COMPREHENSIVE FINAL EXAM
In Elvey Auditorium

While the exact dates of the lectures may change, the order should remain approximately the same. Use the outline as a guide to direct your reading.

*This designation denotes that these lectures MAY be videotaped and made available on reserve at the Rasmuson Library. Any video taped lectures can also be viewed during the recitation periods with advance notice once I confirm this A/V capability for 201 Irving 1. Students will be responsible for any lecture material that is presented in video taped format that has not been presented during the scheduled M-W-F 8-9 am class time. I have lost 3 lecture hours in order to administer exams during the regularly scheduled lecture meeting time instead of during recitation periods as I had originally stated in my first syllabus schedule. ALL lecture material as power point presentations will be posted on our Blackboard site for BIOL 303. Additional lecture material of select lectures (e.g., Sept. 11, Oct. 2, and Nov. 6) is or MAY be available on videotape if I haven't already covered the material in class.

NO MORE CHANGES TO MY SYLLABUS ARE ANTICIPATED. Anyone with exam conflicts needs to see me immediately.
A note about exam reviews during recitation periods in Irving 201:

Monday's recitation will have the following review schedule for lecture exams:
Sept. 30 for Exam I on Oct. 2, 2002
Nov. 4 for Exam II on Nov. 6, 2002
Nov. 25 for Exam III on Nov. 27, 2002

Wednesday's recitation will have the following review schedule for lecture exams:
Sept. 25 for Exam I on Oct. 2, 2002
Oct. 30 for Exam II on Nov. 6, 2002
Nov. 20 for Exam III on Nov. 27, 2002

Should I fall behind in my lecture sequence, test material for each exam will include through the lecture of the preceding Wednesday.

Students are welcome to attend both exam review sessions if their course scheduling permits. Monday's recitation students can attend Wednesday's exam review sessions, and vice versa. This allows students to have the potential of two review sessions prior to each of the 3 scheduled lecture exams. What a great deal!

PLEASE bring any errors with dates or lecture numbering to this revised syllabus #3 to my attention right away. I am only human, and I do make mistakes.