Office Hours: M 1:30-2:30, W 10:30 - 11:20; other times by appointment.


Content: The course will cover topics presented in the 20 chapters of the text, as well as supplementary information discussed in class. Students are encouraged to read the chapters and work the practice problems in the text.

Grading: Students will be evaluated in a number of ways.

In-Class Exams: 300 points.
There will be four 50-min exams. Each student may drop the lowest of their four grades. Students who take only 3 exams will have all three grades count. Students missing more than 1 exam will receive a grade of 0 on any missed in excess of 1.

Quizzes: ~110 points
Some lecture classes will end with a short quiz. These quizzes may not be announced in advance, so students should come prepared to take a quiz each day (please bring a calculator). There will be roughly 12 such quizzes during the semester, each worth 10 points. Each student taking all quizzes will be able to drop their lowest grade.

Problem Sets: ~180 points
Students will be required to turn in problem sets during the semester, approximately 9 such sets. Each will be worth 20 points. No grades will be dropped. (Most assignments will be made via e-mail contact.)

Final Exam: 200 points. This exam will be comprehensive, covering material from the entire course. It is scheduled for Friday, Dec 16, 9:30- 11:20 AM.

Learning Objectives
Students will learn to do the following:
Use thermodynamic reasoning and quantities to explain biological processes, Apply kinetic equations to predict rates of reactions; Explain the fundamental nature of bonding between atoms and molecules; Explain the fundamentals underlying biochemical spectroscopy

Extra Help
In addition to meeting with the instructor privately, students will have access to a University Teaching Fellow (Chris Plowman) who will offer help and tutorials.

Assessment
Assessment of student learning will be performed via gain-score exams.

In accordance with the Americans with Disabilities Act, reasonable accommodation will be provided for all persons with disabilities in order to ensure equal participation in Chemistry 5070. A student who requires an accommodation must contact the Instructor. The disability must be documented by the Disability Resource Center. In cooperation with the Disability Resource Center, reasonable accommodation will be provided for students with Disabilities. Course material may be requested in alternate formats through the Disability Resource Center. The administration of Chemistry 5070 will adhere strictly to the academic regulations stipulated in the most recent USU General Catalog. The complete code of Policies and Procedures for Students can be viewed at:
http://www.usu.edu/studentservices/studentcode/
# CALENDAR

**NOTE: ALL DATES ARE APPROXIMATE AND SUBJECT TO CHANGE**

## August

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<thead>
<tr>
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## September

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<tr>
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<th>7 Chap 3</th>
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<th>12 Chap 4</th>
<th>14 Chap 4</th>
<th>16 Chap 5</th>
<th>19 Exam 1</th>
<th>21 Chap 5</th>
<th>23 Chap 6</th>
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<th>12 Chap 9</th>
<th>14 Chap 10</th>
<th>17 Chap 10</th>
<th>19 Chap 11</th>
<th>20 Chap 11 (Thurs)</th>
<th>24 Chap 12</th>
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## November

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<th>4 Chap 14</th>
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<th>9 Chap 15</th>
<th>11 Chap 15</th>
<th>14 Chap 16</th>
<th>16 Chap 16</th>
<th>18 Chap 17</th>
<th>21 Chap 17 Thanksgiving Thanksgiving</th>
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## December

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16 Final Exam