INSTRUCTOR

Dr. Eric B. Brauns
Office: Renfrew 002
ebrauns@uidaho.edu – 885·4349

OFFICE HOURS

I have an “open door” policy—feel free to stop by my office anytime. However, there are some times that I am typically not available:

M/W/F: 8:00 – 1:00 and Tue/Thu: 12:00 – 2:00

If you prefer, you may make an appointment or email me.

CLASS TIME AND LOCATION

M/W/F 8:30 - 9:20 AM  Renfrew 127

WEBSITE

www.webpages.uidaho.edu/brauns/chem305/

All relevant course material (syllabus, homework, solutions, handouts, etc.) will be posted on the website. It is your responsibility to check the website periodically.

TEXTBOOK

I am in the process of writing a physical chemistry textbook that will be published next year. Until then, the book is being made available as two separate “course packs” to students in CHEM 305 and 306. With the exception of end-of-chapter problems and a detailed index, the course packs contain all of the material that will be included in the first edition of the book. They are not rough drafts—they have been carefully prepared and are nearly ready for publication. Postponing publication will allow me to make changes in response to student feedback before formal production of the book begins. I welcome any comments (good, bad, or indifferent) that you may have.

The course pack for CHEM 305 can be purchased online at https://store.cognella.com/17475.

ATTENDANCE

Regular attendance is particularly important for this class. Even though I will follow the book (since I have written it), there is no substitute for attending the lectures. According to the UI catalog, “Absences are considered excessive when their number equals or exceeds the number of credits in a particular course”.

HOMEWORK

Homework will be assigned, but not collected or graded. Do not take the assignments lightly—if you do not do the homework, you will not do well in the class. Each exam will include one question from the homework (wording and/or numbers may be changed slightly). The homework question that I put on the exam will most likely be one of the more difficult ones.

EXAMS

There will be five exams (four midterms and one final). All exams are cumulative. This is not by design; it’s just the nature of physical chemistry. The final exam is worth 200 points and each midterm exam is worth 100 points. The exam schedule is as follows:

Midterm exam I:  Friday, September 7
Midterm exam II:  Friday, September 28
Midterm exam III:  Friday, October 19
Midterm exam IV:  Friday, November 9
Final exam:  Thursday, December 13, 8:00 am – 10:00 am

These dates are “set in stone”. The only way an exam would ever be rescheduled is if the university were to cancel classes (e.g., for a snow day or some other special circumstance).

There are no makeup exams—even for excused absences. There are no exceptions to this—do not even ask! For exceptional circumstances, and given sufficiently advanced notice, I will consider allowing a student to take an exam early. However, this is at my discretion and there are no guarantees that I will accommodate you. The date and time for the final exam is absolutely non-negotiable. Under no circumstance will I consider allowing a student to take it at an alternative time.
You are allowed to have one 3” × 5” index card with notes on it during each midterm exam. You may use both sides of the card and can include anything you like. **However, only handwritten notes are permitted (i.e., nothing typed or photocopied).** For the final, you are permitted to have two 3” × 5” notecards.

Exams are not multiple choice. You will be required to work problems and show all work. This is to your advantage; you can receive partial credit even if your final answer is incorrect. If your work is illegible, unclear in any way, or if you skipped steps your score will suffer.

Class is over at 9:20. At this time you will hand in your exam. I will walk out of the room at 9:21—with or without your exam. If I do not have your exam when I leave, you will receive a zero for that exam. **There are no exceptions.**

**SPECIAL ACCOMMODATIONS**

If you require special testing accommodations—per Disability Support Services—I **need to know as soon as possible—not two or three days before an exam.**

**GRADING**

I do not grade on a curve. The grading scale is as follows:

<table>
<thead>
<tr>
<th>%</th>
<th>Letter grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 - 100</td>
<td>A</td>
</tr>
<tr>
<td>77 - 89.9</td>
<td>B</td>
</tr>
<tr>
<td>66 - 76.9</td>
<td>C</td>
</tr>
<tr>
<td>55 - 65.9</td>
<td>D</td>
</tr>
<tr>
<td>0 - 54.9</td>
<td>F</td>
</tr>
</tbody>
</table>

You can replace your lowest midterm exam score with the **percent score** from the final exam. However, the reverse is not true; you cannot replace the final exam score with one of the midterm scores. Since there are no makeup exams, this is how a missed exam will be handled.

When an exam is returned to you, you have until the next lecture period to dispute the grade. If you are not present when the graded material is returned, it is your responsibility to get and review it before the next lecture period.

**LEARNING OUTCOMES**

UI policy now requires that we include “learning outcomes” on our syllabi. In this class you will learn about

1. Work, heat, and energy
2. State functions, thermochemistry, and the Second Law of Thermodynamics
3. Free energies and mixtures
4. Electrolyte solutions and phase equilibrium
5. Chemical and electrochemical equilibrium

**ACADEMIC HONESTY**

Refer to the “Student Code of Conduct” for details (www.uidaho.edu/student-affairs/dean-of-students/student-conduct/student-code-of-conduct). Pay particular attention to Article II, Section A-1, “Academic Dishonesty”. The bottom line is: **do not cheat!** I take any form of academic dishonesty **very seriously.**