

| Sections | Day/Per | Room | Instructor | Ofc | Ofc Hours |
|--------------------|----------------|---------|------------------|---------|---|
| 7271, 7272, & 7273 | M, T, W, R - 4 | LEI 142 | James C. Horvath | LEI 132 | M, T, W, R - 5 & any time Ofc is open. Just walk in! |

TEXT (Required!): CHEM NOTES II (CN II) by Horvath – available at local book stores.

WEBSITE: “ABSOLUTELY CHEMISTRY” @jchorvath.wikispaces.com **ALL LECTURES POSTED ON THIS SITE.**

TEXT- not required nor recommended: "Chem Princ.", 2nd Ed., by Silberberg (This text is used for CHM2045.)

DISCUSSION SECT: Registration in CHM 2046 for a Sect. indicated above includes co-registration for an F Disc. **Be sure to check the online Summer 2013 Course Schedule for correct Disc. Sect. time/location. REALIZE THAT DISCUSSION ATTENDANCE (as with Lecture) IS ABSOLUTELY NECESSARY FOR SUCCESS IN THIS COURSE.**

PREREQUISITES: Passing grade in CHM 2045 and CHM 2045L. Transfer students must consult with the instructor before continuing with CHM 2046 to be sure they have the appropriate prerequisites.

COREQUISITE: CHM 2046L. Obtain and READ the syllabus for CHM 2046L if you are registered for CHM 2046L.

COURSE INFORMATION: To succeed in this CHM 2046 class the student must realize that the chemistry considered in Lecture and Discussion plus CHEM NOTES II (CN II) is the course. Other Text study (as appropriate) may help in the course – but it is NOT the course – and no student can succeed without attending each Lecture and Discussion Class coupled with learning and understanding ALL the chemistry considered CN II included.

STUDY CN II CAREFULLY!

ALWAYS BRING CN II TO LECTURE and DISCUSSION CLASS.

E Learning (EL on Sakai): EL (on Sakai) is used for distributing course info, grade maintenance & posting. Use your Gator-Link ID and password to log onto EL (on Sakai) at: Lss.at.ufl.edu (EL is NOT the WEBSITE indicated above.)

Calculator: You must have your own scientific calculator. Calculators may be used on Quizzes and Exams but they may NOT be shared. **Calculator storage of information for use on in-class Quizzes or Exams is strictly forbidden!**

Cell Phone: Turn OFF cell phones. **Cell phones ringing in class can result in severe grade penalties!**

Use of cell phone and/or communication-capable calculator is NOT permitted during in-class Quizzes or Exams.

COURSE SCHEDULE (tentative)

| Week of | Topic | Chapters from CHEM NOTES II (CN II) |
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| Monday | (topic dates are approximate) | & suggested Text Chapters (Silberberg - S) |

NOTE THAT Q's FROM CNII ARE OF UTMOST IMPORTANCE!

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| May 13 | Chem Equilibria (EQ) & B/L Acid/Base Chem | Ch 17 & 18. S-Ch18 & 19. Assign. 1 in CHM 2046L. |
| May 20 | B/L Acid/Base Chem - cont'd BQ 1 (due F: 6/14/13) | (<u>Req'd mat'l from 46L will be discussed in class as necessary.</u>) Continue with above. |
| May 27 (No Class May 27 - Mem Day) | B/L Acid/Base Chem - cont'd | Continue with above. |

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| Fri. May 31 | <u>PROGRESS EXAM 1</u> On lecture mat'l and assoc. 46L mat'l to date. | Part 1 - Fri. in Disc. Class Part 2 - Fri. pers E1&2 Loc. TBA |
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| Jun 3 | EQ Involving Semisoluble Salts | Ch 19. S-Ch16. Assign. 3 in 46L |
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| Jun 10 | EQ Involving Semisoluble Salts - cont'd & Thermodynamics BQ 2 (due F: 7/12/13) | Ch 20 & 21. S-6 & 20. |
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| Jun 18 | Thermodynamics - cont'd | Continue with above. |
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| Fri. Jun 21 | <u>PROGRESS EXAM 2</u> On lecture mat'l & assoc 46L mat'l since Prog 1. | Part 1 - Fri. in Disc. Class Part 2 - Fri. pers E1&2 Loc. TBA |
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| Jun 24 - 28 | <u>NO CLASSES.</u> | <u>SUMMER BREAK.</u> | <u>HAVE FUN!</u> | <u>BE CAREFUL!</u> |
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| Jul 1 (No Class Jul 4 - Fireworks. But - class Jul 5!) | Electrochemistry | Ch 22. S-21. |
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| Jul 8 | Periodic Properties & Trends | Ch 23. S-8, 9, 10, 11, 21. |
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| Jul 15 | Periodic Properties & Trends - cont'd BQ 3 (due F: 8/2/13) | Continue with above. |
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| Fri. Jul 19 | <u>PROGRESS EXAM 3</u> On lecture mat'l & assoc 46L mat'l since Prog 2. | Part 1 - Fri. in Disc. Class Part 2 - Fri. pers E1&2 Loc. TBA |
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| Jul 22 | Transition Metal (TM) Coordination Chemistry | Ch 24. S-22. |
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| Jul 29* | TM Chem - cont'd. | Continue with above. |
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| Aug 5 (T: Aug.6 – last class) | Molecular Orbital Theory (MOT) | Ch 25. S-11, sect. 11-3. |
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| | Nonmetal (nM) Chem (<i>Students are to study nM chem on their own!</i>) | Ch 26. S-14. |
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| *Fri. Aug 2 & Tues. Aug.6 | <u>PROGRESS EXAM 4 (FINAL EXAM)</u> On lecture mat'l & assoc 46L mat'l since Prog 3. & mat'l from previous Exams – as announced. | *Part 1 - Fri. per E1&2 Loc. TBA Part 2 - Tues. pers E1&2 Loc. TBA |
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EXAM COVERAGE: Material for EXAM (or in-class QUIZ – if given) may overreach or under-reach assigned Topics. since each EXAM (or Quiz) will correspond to material covered to date. Pace studies and EXAM prep accordingly.

EXAM NATURE: Exams & Quizzes are exclusively “free response”. Thus, to earn credit, Q's must be answered with correct English and correct setups with correct units! “Practice Exams” which parallel Exam nature and content are posted on the Sakai website. “Practice Exams” from past Summers provide a direct indication of what to expect.

BONUS QUIZZES (BQs): BQs (3) are offered to inspire deep learning! BQ rules/format will be announced. Points earned on BQs add to your overall point total and count toward your grade. (See below at “GRADING”.)

DISCLAIMER: The COURSE SCHEDULE (above) is subject to change. Dr. Horvath has the right to make changes as necessary as the term proceeds. Such changes will be announced at (or about) the time at which they occur.

INSTRUCTOR’S REQUEST: Please do NOT approach the instructor with questions (Q’s), etc., just before class as the instructor will arrive with thoughts on the forthcoming lecture and Q’s asked at this time are disruptive. But, do see the instructor with Q’s at scheduled office periods as these times are devoted toward assisting students.

GRADING: *Each Quiz, BQ, and Exam counts! NO grade will be dropped!* Base pt-values per graded event are:

PROGRESS EXAMS (x3) at 225 pts each \Rightarrow 675 pts

PROGRESS EXAM 4 (FINAL EXAM) \Rightarrow 275 pts

950 pts + at least 50 pts from BQ’s \Rightarrow 1000 pts (base value for course)

NOTE: EXTRA CREDIT IS EARNABLE ON EACH EXAM. (BQ SCORES also count as extra credit.)

The CHM 2046 COURSE GRADE WILL THEN BE DETERMINED BY THE FOLLOWING POINT TOTALS:

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| 900 or up \rightarrow A | 820 - 859 \rightarrow B+ | 740-779 \rightarrow B- | 650 - 699 \rightarrow C | 550 - 599 \rightarrow D+ | 450 - 499 \rightarrow D- |
| 860 - 899 \rightarrow A- | 780 - 819 \rightarrow B | 700 - 739 \rightarrow C+ | 600 - 649 \rightarrow C- | 500 - 549 \rightarrow D | 449 or lower \rightarrow E |

The point-totals per letter grade may be lowered (not likely) but will not be raised. Thus, a total-point achievement as indicated guarantees the corresponding grade as a minimum course grade.

Grades are determined strictly by total points earned. Disregard “out-of” values seen in the Sakai GradeBook!

The above point-totals per letter grade may be lowered (not likely) but will not be raised. Therefore, any total-point achievement as indicated guarantees the corresponding grade as a minimum grade.

***POSSIBLE “GRADE BOOST”:** Since the Final Exam is cumulative to an extent, the instructor reserves the right to consider assigning a letter grade above that which the student would receive based strictly on “total points” (as indicated above). This qualification CANNOT lower your grade and will depend on the instructor’s evaluation of the student’s performance on the Final. NOTE THAT THIS IS NOT A NEGOTIABLE ISSUE. Just do the best you can on the Final. ALL DECISIONS ON “GRADE BOOSTS” ARE STRICTLY AT THE DISCRETION OF THE INSTRUCTOR.

ALSO NOTE: Course grades depend strictly and exclusively on earned points for Exams and Quizzes. Grades do NOT depend on factors such as time or effort spent, personal difficulties, or your assessment of your performance.

Makeup EXAM: Making up a missed EXAM (or Quiz) is a serious and burdensome issue. Consequently, a makeup EXAM (or Quiz) will be granted solely at the discretion of the instructor. And, at the minimum, this will require that you have a legitimate excuse and that you have brought this to the attention of the instructor within ± 48 hours of the missed EXAM (or Quiz). Do not miss any scheduled EXAM (or Quiz) if at all possible.

Exam Conflict: An EXAM conflict for legitimate cause must be reported to the instructor BEFORE the EXAM.

EXAM (or Quiz) Grade/Score Correction: A student contending that an Exam (or Quiz) has been mis-graded or mis-scored must report this IN PERSON to the instructor or TA responsible for grading within one week of receiving the original grade or score. Failure to follow this policy results in no reconsideration of the contended grade or score.

REMEMBER: Questions on grades & grading MUST be presented IN PERSON.

ATTENDANCE REMINDER: Since the material presented in lecture, discussion, & CN II is the course, the student is herein again reminded about the absolute necessity of class attendance. Also, because of the great quantity of chemistry to be tackled, lecture along with discussion and review, will often be presented during Discussion Class. So, missing Discussion Class may well result in missing new material. DO NOT MISS CLASS! BUT, IF YOU MISS CLASS, RECOGNIZE THAT IT IS YOUR RESPONSIBILITY TO FIND OUT WHAT YOU MISSED AND THEN GET IT!

STUDENT WITH DISABILITY: A student needing special classroom or testing accommodations must register with the Disability Resource Center (DRC - which is in 001 Reid Hall ground floor) who will supply the student with the documentation to be presented to the instructor so that appropriate accommodations can be provided.

HONESTY: This is an absolute must! Any student who cheats will receive an “E” for the course as a minimum penalty. For information on UF’s policy on honesty and cheating visit: www.chem.ufl.edu/~itl/honor.html

HELPFUL HINTS: The key to success is KEEP UP. Study CN II carefully and keep pace with lecture material. Work Qs in CN II diligently. Do NOT simply copy answers to Qs & Ps you cannot solve. Instead get out-of-class help. We WILL gladly help any student who is sincerely trying.

OUT-OF-CLASS HELP: FREE out-of-class-help for all General Chemistry students will be provided on a regular basis in the Chemistry Learning Center (CLC) which is FLI 257. (Do not eat, drink, or socialize in the CLC.) Also, each General Chemistry Teaching Assistant (TA) including your Discussion TA will conduct his/her office periods in CLC. So, note your Discussion TA’s office periods, and, if you need out-of-class help but cannot contact your Discussion TA or your lecture instructor, request help from any other TA from your lecture section who is on duty in the CLC. A help-schedule will be posted in the CLC and help should generally be available M-R: Periods 2-6 and F: periods 2-4. Nevertheless, be sure to check the help-schedule.

COMPLAINTS/CONFLICTS/GRADE Qs, etc: If you experience issues with CHM 2046 (such as Qs on grading) which you cannot resolve with your Discussion TA, please see:

DR. JAMES C. HORVATH IN LEIGH 132.

DR. HORVATH MUST BE SEEN IN PERSON TO RESOLVE ALL ISSUES REGARDING CHM 2046. Contact via email or telephone is NOT acceptable and WILL BE IGNORED! This policy remains in effect during as well as after the Term.

HAVE A GREAT SEMESTER!

Words of Wisdom

- *The only people who really fail are those who never try!*
- Much more is learned from a hard-earned “C” than from a soft, easy “A”!