

| Sections | Day/Per Room | Instructor | Ofc | Ofc Periods |
|---|--------------------------------------|---------------|---------|--|
| 0713, 0715, 0717-8, 0720-0722, 5557, 8317 | MWF-5 CLB C130 (Discussions on T) | James Horvath | LEI 132 | MWRF-6 & any time Ofc door is open. Just walk in! |

Note: These Sects are NOT connected with any other 2046 Sects for SP, 2012.

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

TEXT- NOT required: "Chem Princ.", 2nd Ed., by Silberberg

DISCUSSION SECTION: Registration in CHM 2046 for any Sect. indicated above includes co-registration for a T Disc. Be sure to check the online Spring 2012 Course Schedule for correct Disc. Sect. time/location information. **NOTE THAT DISCUSSION ATTENDANCE (as with Lecture) IS AN ABSOLUTE NECESSITY TO BE SUCCESSFUL.**

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. If you are registered for CHM 2046L, OBTAIN and READ the syllabus for CHM 2046L.

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

STUDY CN II CAREFULLY! ALWAYS BRING CN II TO LECTURE and DISCUSSION CLASS!

E Learning (EL on Sakai): EL (on Sakai) is used for distribution of course info, grade maintenance & posting. Use your Gator-Link ID and password to log into EL (on Sakai) at: Lss.at.ufl.edu

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) |
|---|---|--|
| Monday | (topic dates are approximate) | & suggested Text Chapters (Silberberg - S) |
| NOTE THAT Qs & Ps FROM CNII ARE OF UTMOST IMPORTANCE! | | |
| Jan 9 | Chemical Equilibria (EQ) B/L Acid/Base Chem | Ch 17 Ch 18l. S-Ch18 & 19. Assign. 1 in CHM 2046L |
| Jan 16 (No class - MLK Day) | B/L Acid/Base Chem - cont'd BQ 1 (due T: 2/14/12) | (<u>Req'd mat'l from 46L will be discussed in class as necessary.</u>) Continue with above. |
| Jan 23 | B/L Acid/Base Chem - cont'd | Continue with above. |
| Tues 1/24/12 | QUIZ 1 - On lecture material and associated CHM 2046L material to date. | |
| Jan 30 | B/L Acid/Base Chem - cont'd EQ Involving Semisoluble Salts | Ch 19. S-Ch16. Assign. 3 in 46L |
| Feb 6 | EQ Involving Semisoluble Salts - cont'd | Continue with above. |
| Thur 2/9/12 | EXAM 1 - On lecture material and associated CHM 2046L material to date. Periods E2-E3. Location TBA. (<u>Note:</u> Thur per 11-E2 46L students will take EXAM 1 at an alternate time.) | |
| Feb 13 | EQ Involving Semisoluble Salts - cont'd | Continue with above. |
| Feb 20 | Thermodynamics BQ 2 (due T: 3/20/12) | Chs 20 & 21. S-6 & 20. |
| Tues 2/21/12 | QUIZ 2 - On lecture material and associated CHM 2046L material to date. | |
| Feb 27 | Thermodynamics - continued | Continue with above. |
| Mar 5 - 9 NO CLASSES – SPRING BREAK – Have Fun but be Careful! | | |
| Mar 12 | Electrochemistry | Ch 22 S-21 |
| Thur 3/15/12 | EXAM 2 - On lecture material and associated CHM 2046L material since Exam 1. Periods E2-E3. Location TBA. (<u>Note:</u> Thur 11-E2 46L students will take EXAM 2 at an alternate time.) | |
| Mar 19 | Electrochemistry - cont'd | Continue with above. |
| Mar 26 | Periodic Properties & Trends BQ 3 (due T: 4/24/12) | Ch 23. S-8, 9, 10, 11, 21. |
| Tues 3/27/12 | QUIZ 3 - On lecture material and associated CHM 2046L material to date. | |
| Apr 2 | Periodic Properties & Trends - continued | Continue with above. |
| Apr 9 | Transition Metal (TM) Coordination Chemistry | Ch 24. S-22. |
| Thur 4/12/12 | EXAM 3 - On lecture material and associated CHM 2046L material since Exam 2. Periods E2-E3. Location TBA. (<u>Note:</u> Thur per 11-E2 46L students will take EXAM 3 at an alternate time.) | |
| Apr 16 | TM Chem - cont'd | Continue with above. |
| Apr 23 | TM Chem - cont'd. Molecular Orbital Theory (MOT) | Continue with above. Ch 25. S-11, sect. 11-3. |
| Apr 25 is last class | Nonmetal (nM) Chem (Students <u>must</u> study nM chem on their own!) | Ch 26. S-14. |
| Sat Apr 28 | FINAL EXAM - On lecture material and associated 2046L material since Exam 3 & material from previous Exams – as announced. 5:30 pm – 7:30 pm. (Exam Group 28E.) Location TBA. | |

Note: Material for EXAM (or in-class QUIZ) may overreach or underreach the above-assigned Topics since each EXAM (or Quiz) will correspond to material covered to date. Pace your studies and EXAM preparation accordingly.

BONUS QUIZZES (BQs): BQ's will be offered *to inspire deep learning!* BQ rules/form at will be announced in class. Points earned on BQs add to your overall point total and count toward your grade. (See below at "GRADING".)

DISCLAIMER: The COURSE SCHEDULE (above) and information contained is subject to change. Dr. Horvath reserves 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 (Qs), etc., just before class as the instructor will arrive with thoughts on the forthcoming lecture and Qs asked at this time are disruptive. But, do see the instructor with Qs at scheduled office periods as these times are reserved for assisting students.

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

| | | |
|--------------------------------------|---------------------------------------|---|
| EXAMS (x3) at 200 pts each | ⇒ 600 pts. | NOTE: EXTRA CREDIT CAN BE EARNED ON EACH GRADED ITEM – i.e., each graded item will be worth more points than the indicated base value. |
| In-class Quizzes (x3) at 75 pts each | ⇒ 225 pts. | |
| Bonus Quizzes (x3) at 75 pts each | ⇒ 225 pts. | |
| FINAL EXAM* at 250 pts | ⇒ 250 pts. | |
| | 1300 pts. ⇒ base value for the course | |

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

| | | | | | |
|------------------|----------------|----------------|----------------|----------------|----------------|
| 1100 or up → A | 1000-1049 → B+ | 900 - 949 → B- | 800 - 849 → C | 700 - 749 → D+ | 600 - 649 → D- |
| 1050 - 1099 → A- | 950 - 999 → B | 850 - 899 → C+ | 750 - 799 → C- | 650 - 699 → D | Below 600 → E |

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 Quizzes and Exams. Grades do **NOT** depend on time spent, effort, personal difficulties, or your assessment of how much you learned.

Makeup EXAM: Making up a missed EXAM (or Quiz) is a serious and burdensome problem. 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 **IN PERSON** 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 and note that under **no** circumstances will a student be given permission to make up more than once.

Exam Conflict: A *legitimate* EXAM conflict must be reported to the instructor **IN PERSON** *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 and discussion defines the course, the student is herein again reminded about the absolute necessity of class attendance. Also note that 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 will likely result in missing new material! **DO NOT MISS CLASS! BUT, IF YOU MISS CLASS, IT IS YOUR RESPONSIBILITY TO FIND OUT WHAT YOU MISSED – AND GET IT!**

STUDENT WITH DISABILITY: A student needing special classroom or testing accommodations must register with the Disability Resource Center (Reid Hall ground floor) who will supply the student with the documentation that needs to be presented to the instructor so that the 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 257-258. (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 2-8 and F: periods 2-7. Nevertheless, be sure to check the help-schedule.

ISSUES INVOLVING Dr. HORVATH: *Dr. Horvath MUST be seen IN PERSON to resolve ANY & ALL issues (e.g., Qs on grades) regarding CHM 2046.*

ON MATTERS OF IMPORTANCE: *Contact via email or telephone is NOT acceptable! PERIOD!! This applies after the Term ends!!! For example, would you seek a letter of recommendation by email or telephone? I hope NOT!*

HAVE A GREAT SEMESTER!