

Sections	Day/Per	Room	Instructor	Ofc	Ofc Periods
0718, 0720-2, 0724, 0727-8, 0906, 2289	MWF-5	CLB C130	James Horvath	LEI 132	MWRF-6 & any time Ofc is open. Just walk in!
<i>Note: These Sects are NOT connected with any other 2046 Sects for Spring, 2014.</i>					

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

NOTE: The Silberberg text (used for CHM 2045) is neither required nor recommended.

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

DISCUSSION SECT: Registration in CHM 2046 for a Sect. indicated above includes co-registration for a T Disc. **Be sure to check the online Spring 2014 Course Schedule for correct Disc. Sect. time/location information.**

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

COREQUISITE: CHM 2046L (46L). Obtain and READ the syllabus for 46L if you are also registered for 46L.

COURSE INFORMATION: Success in this CHM class requires recognition that the chemistry considered in Lecture and Discussion plus CHEM NOTES II (CN II) is the course. Other text study may help, but without **ATTENDING ALL LECTURE AND DISCUSSION CLASSES COUPLED WITH UNDERSTANDING THE CHEMISTRY ADDRESSED BY THE Q's IN CN II** (which are an integral part of Lecture & Discussion!) no student can hope to succeed.

STUDY CN II CAREFULLY

ALWAYS BRING CN II to LECTURE and DISCUSSION

E Learning (EL on Sakai): Grades, old/new QZ & EX Keys, & announcements are posted on Sakai. Use Gator-Link ID & password to log onto Sakai at: Lss.at.ufl.edu **NOTE: EL is NOT the "LECTURES" WEBSITE at "wikispaces"**.

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

Cell Phone: During class 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 QZs and EXs.

COURSE SCHEDULE (tentative)

Week of	Topic	Chapters from CHEM NOTES II (CN II)
Monday	(topic dates are approximate)	& possibly helpful Silberberg (S) Chapters
Jan 6	Chem EQ. B/L Acid/Base Chem.	Ch 17. Ch 18. S-Ch 18 & 19. Assign. 1 from 46L. <i>(As necessary req'd 46L mat'l will be discussed in class.)</i>
Jan 14	B/L Acid/Base Chem - cont'd.	Continue with above (CWA).
Jan 20 (No class - MLK Day)	B/L Acid/Base Chem - cont'd. <u>SQ1 issued – due T: 2/18/14.</u>	CWA
Jan 27	B/L Acid/Base Chem - cont'd.	CWA
T: 1/28/14	<u>QZ1 - On lecture material and associated 46L material to date.</u>	
Feb 3	EQ Involving Semisoluble Salts	Ch 19. S-Ch16. Assign. 3 from 46L
R: 2/6/14	EX1 - <i>On lecture material and associated 46L material to date.</i> Periods E2-E3. Location TBA. <u>NOTE: R per 11-E2 46L students will take EX1 at an alternate time -TBA.</u>	
Feb 10	EQ Involving Semisoluble Salts - cont'd	CWA
Feb 17	EQ Involving Semisoluble Salts -cont'd. <u>SQ1 due T: 2/18/14. SQ2 issued – due T: 3/25/14.</u>	CWA
Feb 24	Thermodynamics	Chs 20 & 21. S-6 & 20.
T: 2/25/14	<u>QZ2 - On lecture material and associated CHM 2046L material to date.</u>	
	<u>Mar 3 - 7 NO CLASSES – SPRING BREAK – Have Fun and be Careful!</u>	
Mar 10	Thermodynamics - cont'd	CWA
R: 3/13/14	EX2 - <i>On lecture material and associated 46L material since EX1.</i> Periods E2-E3. Location TBA. <u>NOTE: R per 11-E2 46L students will take EX1 at an alternate time -TBA.</u>	
Mar 17	Electrochemis try	Ch 22. S-21.
Mar 24	Electrochemistry - cont'd <u>SQ2 due T: 3/25/14. SQ3 issued – due T: 4/22/14.</u>	CWA
Mar 31	Periodic Properties & Trends	Ch 23. S-8, 9, 10, 11, 21.
T: 4/1/14	<u>QZ3 (No April Fooling!) - On lecture material and associated CHM 2046L material to date.</u>	
Apr 7	Periodic Properties & Trends - cont'd	CWA
R: 4/10/14	EX3 - <i>On lecture material and associated 46L material since EX2.</i> Periods E2-E3. Location TBA. <u>NOTE: R per 11-E2 46L students will take EX1 at an alternate time -TBA.</u>	
Apr 14	Transition Metal (TM) Coordination Chemistry	Ch 24. S-22.
Apr 21	TM Chem - cont'd <u>SQ3 (due T: 4/22/14)</u>	CWA
	Molecular Orbital Theory (MOT) (W: Apr 23 is last class.)	Ch 25. S-11, sect. 11-3.
	Nonmetal (nM) Chem (Students are to read/study nM chem on their own!)	Ch 26. S-14.
M: Apr 28	FINAL EX - <i>On new lecture mat'l, associated 46L mat'l since EX3, & mat'l from previous EXs (TBA).</i> 7:30 am – 9:30 am. (EX Group 28A.) Location TBA.	

QZ/EX COVERAGE: Material for any in-class QZ or EX may overreach or under-reach assigned Topics since each EX (or QZ) will correspond to material covered to date. Pace studies and EX prep accordingly.

OF COURSE, IF YOU ATTEND CLASS YOU WILL KNOW WHAT MATERIAL IS COVERED FOR A QZ OR EX!

QZ/EX NATURE: QZs are a mix of mult choice & "free response" Q's. EXs are mult choice only (unless students - to their benefit! - agree to take REAL EXs on Sunday afternoons, have up to 4 hrs, and be able to earn partial credit).

QZs, EXS, & KEYS from previous Horvath CHM 2046 classes are available at Sakai (EL) under "Resources".

IF YOU FIND AN ERROR ON A POSTED QZ or EX TELL HORVATH! SAME for IN-CLASS QZ or EX!

SPECIAL QZs (SQs): SQs (3) are offered *to inspire deep learning!* SQ rules/format will be announced. Earned SQ pts add to your overall pt-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. Any changes will be announced at (or near about) the time at which they occur.

HORVATH'S REQUEST: Please do **NOT** approach Dr Horvath with questions (Q's), etc., just before class as he will arrive with organized thoughts on the forthcoming lecture. Thus, Q's asked at this time are disruptive. But, do see Horvath (or course TAs) with Q's at scheduled office periods as these times are devoted toward assisting students.

GRADING: Each QZ, SQ, and EX counts! **NO** grade will be dropped! Base point-values (pts) per graded event are:

EXS (x3) at 200 pts each	⇒ 600 pts.	NOTE: CREDIT ABOVE BASE VALUE CAN BE EARNED ON EACH QZ & EX.
In-class QZs (x3) at 75 pts each	⇒ 225 pts.	
Special QZs (x3) at 75 pts each	⇒ 225 pts.	
FINAL EX* at 250 pts	⇒ 250 pts.	
	1300 pts. ⇒ base value for course	

The CHM 2046 COURSE GRADE IS 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 shown in the Sakai GradeBook.

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

Note: Grades are determined strictly by total pts earned. Disregard "out-of" values seen in the Sakai GradeBook!

***POSSIBLE "GRADE BOOST"**: Since the Final EX is cumulative to an extent, Dr Horvath reserves the right to consider assigning a letter grade above that which the student would receive based strictly on "total points" (as given above). This qualification cannot lower your grade and will depend on Horvath'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 DR HORVATH.

ALSO NOTE: Course grades depend strictly and exclusively on earned points for QZs and EXs. Grades do **NOT** depend on time or effort spent, personal difficulties, or your assessment of your performance.

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

EX Conflict: An EX conflict for legitimate cause must be reported to Dr Horvath **BEFORE** the EX. NOTE: Taking an EX (or QZ) establishes a score for that EX (or QZ) which counts! **SO DON'T ASK FOR SUCH TO BE FORGOTTEN!**

EX (or QZ) Grade/Score Correction: A student contending that an EX (or QZ) has been mis-graded or mis-scored must report this **IN PERSON** to Dr Horvath or the TA responsible for grading within one week of getting the original grade or score. Failure to follow this policy results in no reconsideration whatsoever of the contended grade or score. **REMEMBER: Qs on grades and/or grading MUST be presented IN PERSON.**

ATTENDANCE REMINDER: Since lecture and discussion is the main part of this course, the student is herein again reminded about the absolute necessity of class attendance. Moreover, because of the great quantity of challenging chemistry tackled, lecture along with discussion and review, will be regularly presented during Discussion Class. So, missing Discussion Class will result in missing new material. **DO NOT MISS CLASS! BUT, IF SO, RECOGNIZE THAT IT IS YOUR RESPONSIBILITY TO FIND OUT WHAT YOU MISSED AND GO GET IT!** (REMEMBER: All lectures will be available at "ABSOLUTELY CHEMISTRY" @jchorvath.wikispaces.com)

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

HONESTY: **This is an absolute must!** Any student caught cheating 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**. This means attend **ALL** classes, keep pace with current lecture material, and carefully study corresponding CN II material including pertinent Qs,. Work Qs in CN II diligently. Do **NOT** simply copy answers to Qs you cannot solve – LEARNING BY OSMOSIS IS IMPOSSIBLE! Instead, get out-of-class help. We **WILL GLADLY HELP** any student who is sincerely trying to learn.

Out-of-Class Help: Out-of-class help for Gen Chem students will be provided on a regular daily basis in the Chem Learning Ctr (CLC) which is FLI 257. (**Do NOT eat, drink, or socialize in the CLC.**) All Gen Chem TAs conduct their office periods in CLC. So, note your TA's office periods, and, if you need out-of-class help but cannot contact your TA, you may (should!) request help from any 2046 TA for this class who is on duty in the CLC. A help-schedule will be posted on Sakai and help will generally be available at various times throughout the week from M thru F.

COMPLAINTS/CONFLICTS/Qs ON GRADES, etc: If you experience issues with CHM 2046 (such as Qs on grading) which you cannot resolve with your TA, **IN PERSON** see DR. HORVATH IN LEIGH 132.

DR. HORVATH MUST BE SEEN IN PERSON TO RESOLVE ANY ISSUE REGARDING CHM 2046. Email or telephone contact may be used ONLY to establish a meeting time if the student cannot attend Horvath's Ofc Periods*. Beyond that, email and/or telephone messages WILL BE DELETED! This policy remains in effect during and after the Term.

*To arrange to see Horvath send him your schedule. Do **NOT** ask Horvath when he can see you!

Those who never try are those who always fail! Much more is got from a hard-earned "C" than from a soft, easy "A"!

