

SYLLABUS (and reading assignments)

Text: "Chemistry–The Central Science", 12th Edition; Brown & alii; Prentice-Hall (2012)

Lecture classes meet Tuesdays and Fridays, 11:20 AM–12:35 PM, Room S-11.

Instructor: Dr. R. S. Strange
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<u>Date</u>	<u>Lecture Topic (section)</u>	<u>Reading Assignment</u>
Tue, Jan 24	Ch. 13 Solutions	Ch. 13.1-13.5 (Omit Sect 13.6)
Fri, Jan 27	Ch. 13 "	Ch. 13
Tue, Jan 31	Ch. 14 Chemical Kinetics	Ch. 14
Fri, Feb 3	Ch. 14 "	Ch. 14
Tue, Feb 7	Ch. 14 Chemical Kinetics (cont'd)	Ch. 14
Fri, Feb 10	Ch. 14 finish Ch 14; start Ch 15	Ch. 14, 15
Tue, Feb 14	Ch. 15 Chemical Equilibrium	Ch. 15
Fri, Feb 17	Ch. 15 "	Ch. 15
Tue, Feb 21	Ch. 15 finish Ch 15; start Ch 16	Ch. 15, 16
Fri, Feb 24	----- Test 1	[Chaps 13, 14, 15]
Tue, Feb 28	Ch. 16 Acid/Base Equilibria	Ch. 16
Fri, Mar 2	Ch. 16 "	Ch. 16
Tue, Mar 6	Ch. 16 Acid/Base Equilibria	Ch. 16
Fri, Mar 9	Ch. 17 Buffers, Titrations, Solubility	Ch. 17.1-17.6 (Omit Sect. 17.7)
March 12 - 16	----- Spring Break	-----
Tue, Mar 20	Ch. 17 Buffers, Titrations, Solubility	Ch. 17
Fri, Mar 23	Ch. 17 "	Ch. 17
Tue, Mar 27	Ch. 17 Buffers, Titrations, Solubility	Ch. 17
Fri, Mar 30	Ch. 19 Chemical Thermodynamics	Ch. 19
Tue, Apr 3	Ch. 19 Chemical Thermodynamics	Ch. 19
Fri, Apr 6	----- Test 2	[Chapters 16, 17]
Tue, Apr 10	Ch. 19 Chemical Thermodynamics	Ch. 19
Fri, Apr 13	Ch. 19 finish Thermo; start Ch 20	Ch. 19, 20
Tue, Apr 17	Ch. 20 Electrochemistry	Ch. 20
Fri, Apr 20	Ch. 20 finish Ch 20; start Ch 21	Ch. 20, 21
Tue, Apr 24	Ch. 21 Nuclear Chemistry (partial)	Ch. 21.1-21.4
Fri, Apr 27	Ch. 23 Metals & Coord. Chem. (partial)	Ch. 23.?
Tue, May 1	Ch. 23 finish Ch. 23	Ch. 23
Fri, May 4	----- Test 3	[Chaps 19, 20, 21, 23]
Tue, May 8, 12:30-2:30 PM	Final Exam	cumulative

Note: Concurrent registration in CHEM1212 Recitation class is required.

PROSPECTUS

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Room: S-11, Science Building

[Recitations: Tuesdays, 3:35-4:35, and Thursdays, 11:20-12:10 and 3:35-4:25]

Note: Registration and attendance at Recitation (CHEM1212) section is required.

An electronic calculator that has $1/x$, log, 10^X , SQRT, and scientific notation (at least these five features) will be needed for tests and homework. Programmable calculators with non-volatile memories will not be permitted during tests.

Grading and tests:

attendance	05	required (sign in at beginning of class)
quizzes	15	given during required recitation classes (CHEM1212)
tests, 3 @ 20	60	Fridays - 5th week, 10th week, 14th week
final exam	20	Tuesday, May 8, 12:30-2:30 PM (cumulative)
	—	
total	100	

The lowest quiz grade will be dropped to make allowance for one absence. Attendance at lectures and quiz sections is required (sign-in) and will be graded at all lecture and recitation classes.

Each test and the final exam will be scaled and curved separately and letter grades assigned. Attendance, quiz, test, and final exam scores will be combined according to the weights given above to obtain the overall average.

No make-up tests will be given. The date of the final exam will be scheduled by the University during the week of May 7-12, 2012. Students in the laboratory sections will receive separate grades, which grades will not affect the lecture grades.

Note: I will provide recommended problems from the Brown & LeMay text for your practice in addition to occasional supplementary practice problems. These problems and other materials will be posted at my web page (see above) as the semester progresses. In addition, these and additional materials may be posted on WebCampus when it is available. When WebCampus is down all materials will be available at my web page: look for "Quick Links".