

Syllabus Chemistry 101 Spring 2004

Sec. 514-522 (MWF 12:40-1:30) RM 100 HELD
Sec. 529-536 (MWF 10:20-11:10) RM 200 HELD

Professor: Dr. D.T. Magnuson Office: Rm 101A Analytical
Services Bldg (OSC) See p. 8 for map

Telephone: 458-1516 (no voice mail on this phone) or
leave a message at the FYP office: 845-2356

email: magnuson@mail.chem.tamu.edu

(put **CHEM 101-Sec. # + subject** in subject
line)

Office Hours: HELD 407: Tues. & Thurs. 8:00-11:00 AM: or call for an
appointment.

A supplemental instructor and an instructor assistant will be
assigned to each class. When we get that information please put it
on page 8 of this syllabus.

CHEM 101 and 102 are the first-year chemistry sequence in the
core curriculum. These are 4-credit courses. The sections in this
lecture are a part of a much larger program. Those of us in the First
Year Chemistry Program and the Chemistry Department at Texas
A&M University are committed to providing a meaningful and
stimulating course. Each grouping of sections of this course is
independent of the other instructors' sections, but we strive to cover
common content.

Required Course Materials:

- (1) "General Chemistry", by Whitten, Davis, Peck, and
Stanley 7th Edition, 2004.
- (2) Nonprogrammable calculator suitable to use on lecture
exams.
- (3) "Experiences in Chemistry - 1", by L. Peck and V.M.
Williamson, Hayden-McNeil Publishers, 2004.
- (4) The lab notebook, 8 1/2" x 11", perforated alternating white
and yellow pages.
- (5) Approved eye protection. University and Departmental
Regulations require that splash-proof, chemical goggles
be worn by everyone present any time any
experimentation is being conducted or any time chemicals
or equipment are being moved by anyone in the
laboratory. **Phi Lambda Upsilon**, the National Chemistry
Honor Society will be at the labs the first week of lab to
sell suitable goggles). Failure to wear goggles will result
in expulsion from the laboratory for the experiment
involved.
- (6) One pkg 4" X 6" plain index cards. (For POP QUIZZES)
- (7) Three Bluebooks (If you choose to do worksheets.)
- (8) Prior to the first lecture exam, purchase **four** standard (8 1/2 x
11 ") gray scantron sheets (Form No. 0-101607-TAMU) from the
bookstore and turn them in **UNMARKED** at the First Year
Chemistry Information Office (Room 116 HELD) during posted
hours. **Do not write anything on them before you turn**

them in at room 116. Samples of the correct scantron sheet are displayed on the bulletin boards.

Optional Course Materials:

- (1) "Student Solutions Manual, General Chemistry," 7th Edition, W. Keeney-Kennicutt and Y. Tang, 2004
- (2) "Student Study Guide, General Chemistry," 7th Edition, Raymond E. Davis, James A. Petrich, 2004.
- (3) Laboratory apron or a nonflammable lab coat. An apron or lab coat will be required in laboratory if your shorts or skirt do not cover your knees.

Major Examination Schedule Spring 2004

Wed. Feb 18 Major Exam No.1

Wed. Mar 10 Major Exam No.2

Wed. Ap 14 Major Exam No.3

The major exams are designed as 35-40 minute exams. Be on time, **no student will be admitted into the exam room after 12:50 PM (Sec 516-522), and 10:30 AM (Sec 529-536).** Each major exam is worth 150 points. The exams consist of 25-30 multiple-choice questions. **A photo ID is required** to take the exam. Each student has an assigned seat. Programmable calculators are not allowed. PC's, Palm PC's, PDA's, are not allowed in the exam room. CD players or other listening/recording devices, and cameras, are not permitted in the lecture/exam room. **As a courtesy to all, please turn off your cell phones during class lectures and**

examinations. Cell phones must also be enclosed and out of sight during lectures and examinations.

Worksheets (optional)

Three Worksheets(WS) will be given during the semester. These are entirely optional. If you decide to do them, they will be graded and will be worth up to 10 points. These points will be added to your major exam grade, not to exceed 100 %. WS1 will correspond to major exam 1, WS2 to major exam 2 and WS3 to major exam 3. There is no WS for the final exam. Worksheets cannot be transferred from one exam to another. The worksheets will consist of a set of chemistry problems. All worksheets will be completed in a bluebook. Out of all of the problems assigned, I will choose 5 problems for grading. These 5 problems will each be worth 2 points for a maximum of ten points which will be added to your major exam grade as stated above. Your work is expected to be neat and legible. Points will be deducted for sloppy submissions. It would be a good idea to purchase an extra bluebook so that you have a spare on hand. Worksheets will not be accepted unless they are worked out in a bluebook. You will be given guidelines with each worksheet. No late worksheets will be accepted. See the course calendar for due dates.

Examples of how worksheet points work:

Example 1

Student 1 scores 90 pts on the first exam. This is $90/150 = 60.00\%$ a D. Student 1 completes and turns in WS1 by the due date and

scores 10 points on it. These 10 points are added to the 90 pts which this student scored on the first exam. The student now has $100/150 = 66.67\%$, a C.

Example 2

Student 2 scores 142 pts on the first exam. This is $142/150 = 94.67\%$, an A. Student 2 completes and turns in WS1 by the due date and scores 10 points on it. These 10 points are added to the 142 pts up to a maximum of 150 pts. The student now has $150/150 = 100\%$, an even higher A.

Pop Quizzes

Pop quizzes may be given. PQs are graded Pass/Fail, passing = 50%. Each pass counts as 1 point. Pop quizzes consist of 2-4 short answer or short calculation questions. They are given to encourage you to attend class and help you solidify your understanding of the lectures. You will use your 4X6 cards for the PQ's. Please do not use 3X5 cards or scraps of paper, as these are easily lost and they will not be accepted or graded.

Make-up Policy For Exams: Make-ups are given **ONLY FOR A UNIVERSITY EXCUSED ABSENCE** I will be notified by the University in the event of a family emergency. I will be notified by the University if you are officially representing Texas A&M University and cannot attend the exam. You must have a Physician's written statement in the event of your medical emergency or illness.

There are no other excuses. Students who have excused absences, must notify me within one academic day of the exam. I require a written statement about the excuse for your absence. I require that you sign-up for the make-up. The make-up exams will be at least as difficult as the regular exams. They are not multiple-choice. The make-up exams will be given on the following dates:

Makeup exam 1: Feb 25, 4:30 - 5:20 PM

Makeup exam 2: Mar 24, 4:30 - 5:20 PM

Makeup exam 3: Apr 22, 4:30 - 5:20 PM

Room TBA

Final Exams:

Sec. 516-522 (mwf 12:40):

Monday, May 10, 10:30 –12:30 Room 100 HELD

Sec. 529-536 (mwf 10:20):

Tuesday, May 11, 8:00-10:00 Room 200 HELD

Do not expect to take the final exam at any time other than its scheduled time, unless you have made arrangements with me in writing. You must bring a PHOTO I.D. to the Final Exam. DO NOT BE LATE. No one is allowed in the exam room after the first person has left the final. The Final Exam is comprehensive. It is a 2-hour, 300-point exam covering all the

chapters taught during the semester. The final exam will have

40-50 multiple-choice questions.

- Bring to each class:** A working calculator, no.2 pencils and eraser, several 4X6 index cards.
- Bulletin Board:** 4th floor HELD around corner from elevator.
- Graded Exam Pick-up:** You will get your graded exams, quizzes, and worksheets from your lab TA.
- Reading Assignments:** Read chapters scheduled for lecture discussion prior to class.

Course Grade Calculations

Your grade in this course is based upon the following:
Lecture 75% and Lab 25%

The lecture points are as follows:

The average of the three major exams and the final = 70% of grade
The average of the pop quizzes = 5% of grade

Laboratory points

Lab points will be adjusted so that the lab average of each section will be between 80 and 86%.

Labs (7 @ 20)	140
Lab quiz 3@ 20 pts)	60
CPR (best 2 of 3)	40
Lab Final, written	40
Lab Final, practical	10
Total Lab Points	290

Course grade =

.70(ave. of 3 exams and final) + (.050)(pop quiz ave.) + .25(adj. lab ave.)

Final Grade Cut-Off:

A 90% – 100%; B 80% – 89%; C 65% – 79%; D 50% – 64%;
F less than 50%

You can be assured of the letter grade that is indicated if your grade falls within the above percentage ranges. The final grade cut-off may be slightly lowered at the end of the semester. **Each semester's ranges are independent of each other. Each class' ranges are independent of each other.**

Students missing a small portion of the course, but having at least a 50% course average, will receive a **grade of "I" (Incomplete)** if they request this grade in writing and meet the University criteria for this temporary grade.

Lecture Exam Administration:

- (1) **Check the exam seating assignment on the bulletin board outside Room 100 HELD one day in advance. Each exam has a different seating assignment. For the makeup exam, check seating assignment outside room 109 HELD the day of the exam.**
- (2) Arrive at the exam on time. Cheating or bringing in material with intent to cheat will result in a zero for the exam or a more severe penalty. If at all possible please do not bring backpacks to the exams. Due to the presence of thieves among us, I am sorry to say that we can no longer completely safeguard your backpacks, etc. during an exam. If you must bring a backpack, it will need to be placed under your seat in the exam room.
- (3) Bring to the exam at least two sharpened #2 pencils, an eraser, pencil sharpener, a working calculator (see E below), and a **PHOTO I.D.** (your TAMU I.D. card or a driver's license will work). Sharing of calculators during an exam is not permitted. **Sharing of calculators will result in a grade of zero for the exam for all involved.** Any other items you bring to the exam **including cell phones must be "enclosed" out of sight in a briefcase, pack, purse, or sack, and stored**

under your assigned seat.

- (4) Calculators that are programmable or have alphanumeric capabilities are not allowed for the exams. Some of the acceptable and unacceptable calculators are listed on the bulletin board outside Room 100 HELD. I will allow the use of the TI-30-X IIS or the Casio fx 300 ms calculators to be used. They have a two-line display and scroll capability that you may find useful. Have your calculator ready to be checked as you enter the exam room and also as you leave. We will clear the memory of the TI 30-X IIS or the Casio fx 300 ms, when you turn in your completed exam.

- (5) **Any student using or attempting to use an unacceptable calculator will receive a zero for the exam.**

Follow the directions given to you as you enter the exam room. **Do not write on the envelope or on the back of the scanner sheet. Failure to follow these directions may result in a withheld or zero grade.** In addition, note that the answers have to be recorded on the standard gray scanning sheet to be graded. **Turning in a blank scantron gives you a ZERO!!**

- (5) During the exam, keep all work covered as much as possible. Talking or looking around the room will result in a withheld grade for the exam.
- (6) Work carefully, but you must finish in the allotted time; exams handed in late will not be graded. **When leaving an exam use the front exits.** Your grades will be posted on the web.)

Review Schedule:

I will conduct Review Sessions before each exam See Lecture schedule below for time and place. I will have a special review session for the final exam. (See lecture schedule below.)

Bulletin Boards:

Special announcements (schedule changes, etc.) will be posted on the official bulletin boards (Rooms 100 & 413). Other info will be posted for this class in the bulletin board around the corner from the

elevator, 4th floor HELD.

⇒ **World Wide Web** (<http://www.chem.tamu.edu/class/fyp/>)

Included are details on individual lecture and lab sections, a test bank of selected multiple-choice questions for each chapter, and a math review.

Activate your NEO account. I will use NEO to send notices to the class. You are responsible for checking your NEO email daily.

Information Office and Help Desk RM 116 HELD:

The Information Office is at Room 116 HELD. Office Hours are Monday through Friday, 8:30-12:30 A.M, Monday through Thursday 1:30-4:30 P.M. Questions can be answered there pertaining to your course records, homework, etc. **This is where you request to have the multiple-choice part of exams hand graded when you believe the posted grade is incorrect, and where you reserve special exam seating(e.g. left-handed desk).**

A **Help Desk** will also be staffed in Room 116 during about the same hours as the Information Office is open. At Help Desk TA's are on duty to answer questions concerning lab and lecture. Check outside of Room 116 for the exact schedules.

Copyright:

The handouts used in this course are copyrighted. By "handouts," I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, lab problems or study sheets, in-class materials, review sheets, and additional problem sets, notes, etc. and all the material that I place on the web for this course. Because these materials are copyrighted, you do not have

the right to copy or send them to anyone, unless I expressly grant permission.

Academic Honesty:

Students are expected to be the sole source for any work submitted in their name. The utilization or submission of work of others is a violation of Texas A&M University scholastic dishonesty policies and disciplinary steps will be taken. Only **authorized** electronic or printed materials or equipment may be used in or near the classroom. As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research and knowledge cannot be safely communicated.

Study groups can be a valuable aid to learning. Within the group you should discuss your answers to homework problems. Your group can discuss questions with other groups. Quizzes, exams and the final must be done on your own, unless otherwise specified by the instructor. Academic dishonesty will not be tolerated in any form and will be reported to the proper university officials. Expulsion for academic dishonesty does not look good on one's permanent record and

is not worth the points you are trying to gain by cheating. If you have questions regarding plagiarism, please consult the latest issue of the *Texas A&M University Student Rules*, under the section "Scholastic Dishonesty."

Texas A&M Services for Students with Disabilities:

(845-1637):

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, either temporary (e.g. broken arm) or permanent (including a learning disability), please **contact the Department of Student Life, Services for Students with disabilities in Rm. 126 of the Koldus Bldg. (Hours: 8 AM to 5:30 PM). If you have any questions, see me. If you qualify for special testing arrangements, you must notify me and fill out the necessary forms with Services for Students with Disabilities no later than Wednesday, Feb. 04, 2004.**

Important Dates:

Mar 15-19 Spring Break
Ap 5 Last Day to Q-Drop
Ap 9 Reading Day - No Class
Ap 21 Muster
May 4 Tues. redefined as Friday classes

May 10 Final Exam Sections 529-536
10:30 AM- 12:30 PM, Rm. 100 HELD

May 11 Final Exam Sections 516-522
8 -10 AM, Rm. 200 HELD

Anticipated Lecture Schedule CHEM 101 Spring 2004

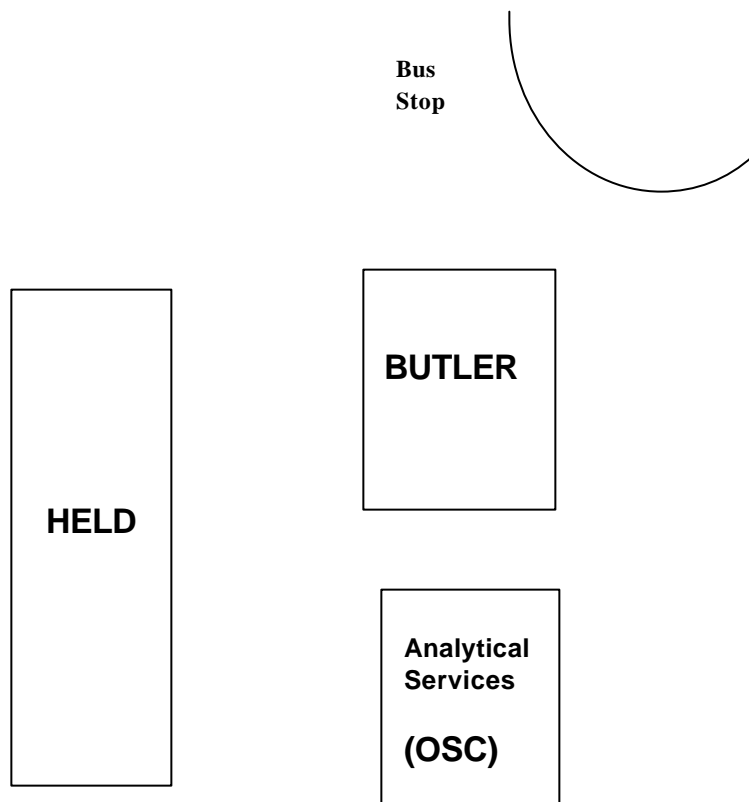
DATE	DAY	TOPIC
Jan 21	W	First day class, syllabus for lecture, lab, CPR
Jan 23	F	Chp. 1
Jan 26	M	Chp. 1
Jan 28	W	Chp. 1
Jan 30	F	Chp. 2
Feb 2	M	Chp. 2
Feb 4	W	Chp. 2
Feb 6	F	Chp. 3
Feb 9	M	Chp. 3
Feb 11	W	Chp. 3, WS1 due beginning of class
Feb 13	F	Chp. 3, 4
Feb 16	M	Chp 4
Feb 17	T	Review exam 1, room 109 HELD, 6-8 PM
Feb 18	W	Exam no. 1 Chp. 1,2,3, + part of 4

Feb 20	F	Chp. 4
Feb 23	M	Chp. 4
Feb 25	W	Chp. 5 [Makeup ex. 1, 4:30-5:20PM]
Feb 27	F	Chp. 5
Mar 1	M	Chp. 6
Mar 3	W	Chp. 6, WS2 due beginning of class
Mar 5	F	Chp. 7
Mar 8	M	Chp. 7
Mar 9	T	Review exam 2, room 109 HELD, 6-8 PM
Mar 10	W	Exam no. 2 Chp 4,5,6, and 7 (selected topics)
Mar 12	F	Chp. 7,8
Mar 15-19		Spring Break
Mar 22	M	Chp. 8
Mar 24	W	Chp. 8 [Makeup ex. 2, 4:30-5:20PM]
Mar 26	F	Selected topics chp. 9
Mar 29	M	Chp. 10
Mar 31	W	Chp. 10
Ap 2	F	Chp. 10
Ap 5	M	Chp. 11
Ap 7	W	Chp. 11, WS3 due beginning of class
Ap 9	F	Chp. 12
Ap 12	M	Chp. 12
Ap 13	T	Review for major exam 3, 6-8 PM
Ap 14	W	Exam no. 3 chp. 7(selected topics), 8, 9(selected topics), 10, 11, 12(selected topics)
Ap 16	F	Chp. 12
Ap 19	M	Chp. 13 (selected topics)
Ap 21	W	Chp. 13(selected topics)
Ap 23	F	Chp. 13 (selected topics)
Ap 26	M	Chp. 14 (selected topics)
Ap 28	W	Chp. 14 (selected topics)

Ap 30	F	Chp. 14 (selected topics)
May 3	M	Review and questions, no new material will be covered.
May 4	T	Last day of class, Attend Friday classes Review and course evaluations
May 6	R	Final Review, 9-11 AM, Rm TBA
May 10	M	Final Exam (516-522) 10:30 AM – 12:30 PM, room 100 HELD
May 11	T	Final Exam (529-536) 8 – 10 AM, room 200 HELD

Map to Dr. Magnuson's Office – RM 101A OSC 485-1516

CORPS DORMS



Supplemental Instruction Leader and Instructor Assistant: