

Tutorials and Laboratories meet the first week and every week.**LECTURE:** MWF 12:10 pm Fulmer 125**INSTRUCTORS:** Prof. Jeanne McHale Fulmer 102 335-4063 jmchale@wsu.edu
Prof. James Satterlee Fulmer 120 335-8620 hemeteam@wsu.eduCourse Web Site: public.wsu.edu/~hemeteam/ Click "**classes**" from left margin list and you will be brought directly to the C116 Course Web Site.**Classroom Decorum is expected of all students.** Point penalties will occur for talking over the lecturer and TA, and for other classroom disruptive behavior. See: [//conduct.wsu.edu](http://conduct.wsu.edu)**OFFICE HOURS:** Prof. McHale: Tuesdays 2-5 PM, or by appointment. Fulmer 102
Prof. Satterlee: TBA or by appointment. Fulmer 120**ELECTRONIC COMMUNICATION:** Only contact the Professors through their normal WSU email address: hemeteam@wsu.edu. **PUT "Chem116" in the subject line.****GENERAL CHEMISTRY OFFICE:** 319A FULMER; 335-1516; **Nikki Clark**, Gen. Chemistry Coordinator;
Chemistry Department Office: 305 Fulmer**Grading**

3 Midterm exams	300
9 Quizzes	180
10 HW	100
11 Lab. reports	220
<u>Final exam</u>	<u>200</u>
TOTAL	1000

GRADE RANGES: lowest score for each grade

900 points: A	760 points: C+
885 points: A-	700 points: C
870 points: B+	685 Points: C-
800 points: B	660 points: D+
785 points: B-	600 points: D
	Less than 600 points: F

MIDTERM EXAMS:

Exam 1 date	Thurs	February 13	6:00	PM	Material through 2/6 lecture
Exam 2 date	Thurs	March 13	6:00	PM	Material through 3/6 lecture.
Exam 3 date	Thurs	April 24	6:00	PM	Material through 4/10 lecture.

FINAL EXAM: comprehensive. **Thursday May 8; 7-10 PM****CLASS WORK****COURSE HOME PAGE:** www.wsu.edu/~hemeteam/ (click on "classes" on the left margin list).

There you will find Announcements, links to Lecture Notes, and other documents. It is advised that you print or download the Lecture Notes prior to lecture. You'll then be able to listen more and write less. It is recommended that you consult this page at least AM/PM daily to stay up to date with course announcements.

ONLINE HOME WORK: We will use SmartWork (smartwork.wwnorton.com). A registration code for the SmartWork online homework system is required. This is included with the new text bundle, or it can be purchased at the bookstores or online. It is also included with the eBook which can also be purchased online <http://books.wwnorton.com/books/buysmartwork/>. If you bought the text bundle for Chem 105 in the Fall, your registration code should still be valid.

Computers are available in libraries, in **Fulmer 401** as well as in dormitory and campus computer labs. **You get free computer access and printing in Fulmer 401. Log on with your network info.**

EXAMS: There will be **three midterm exams** and a final. **Exam. Times** are noted above. All exams will be multiple choice. You will be responsible for bringing your WSU ID, a calculator (see below) and a pencil to all exams. Bringing anything but those three things to your exam seat will constitute cheating. No notes or books are allowed. The specific exam room will be announced. **No make-up exams will be given.** Upon justification to Dr. McHale or Dr. Satterlee you may be allowed to schedule the exam at an earlier time, **but not at a later time.** One Midterm exam missed due to illness will be excused, with the other exams pro-rated to count for more.

LECTURES: Lectures should be attended on a regular basis since all quizzes and exams are based on both text and lecture material. **How to study:** Before coming to class, it is important to re-read your notes from the previous lecture, to read the textbook material for the current lecture and to attempt **ALL** of the in-chapter practice problems in the material covered. Bring your calculator to all lectures. You are encouraged to form collaborative study groups outside of class.

QUIZZES: There will be weekly quizzes. Details will be forthcoming.

TUTORIALS: Tutorials and Laboratories start week 1.

Tutorials are important, mandatory small classroom meetings connected to your laboratory section and run by your TA. **Tutorials (and labs) start Week 1 and must be attended.** Tutorial and Lab rooms are posted on the web site.

Students who miss tutorial or fail to turn in a pre-lab will NOT be allowed into lab. Attendance will be taken. These tutorials are interactive problem solving/information sessions. Bring your lab text, lab notebook and calculator to tutorial.

Turn in two things at the beginning of tutorial:

Pre-labs (current week) and post-labs (previous week's work).

LABORATORIES: Laboratories and Tutorials start week 1. You may not perform a laboratory experiment unless you have turned-in your prelab at the **START of the tutorial preceding your lab!** If you fail to turn in a prelab you receive a score of **ZERO** for that lab. No negotiation and no makeup is possible.

Other important facts:

1. The laboratory must be both attended and passed.
2. Failing the lab will result in a failing grade for the entire course.
3. Missing more than 2 labs or failing to turn in more than 2 complete lab reports will result in an F.
4. Up to 2 make-up labs per semester are allowed but each make-up must take place in the same week that the lab is missed and are only on a space available basis (no guaranteed makeup). See below.
5. Unless otherwise instructed you are to perform experiments individually.
6. You must get your TA's signature on your data and calculations before you leave the lab.
7. Lab Dress Code will be strictly enforced. For your own protection you must be fully clothed from shoulder to toe.

Laboratory MAKE UP: There is no guaranteed makeup for a missed lab. You must schedule a laboratory makeup for the same week you miss through Nikki Clark in the General Chemistry Office, Fulmer 319A, as soon as possible.

Laboratory Reports: Definition: A "**Lab Report**" consists of the **prelab and postlab together**. Handing in only one or the other constitutes an **INCOMPLETE LAB** which will be scored as **ZERO POINTS**. Late laboratory reports will be penalized by the loss of 20% per weekday (any portion thereof) for which they are submitted late. **THAT MEANS, reports submitted after the start of tutorial are already a day late!** This penalty is applied **AFTER** normal grading of the report. Reports submitted more than one week late will

receive zero points. No reports will be accepted after 5:00 PM on the last day of classes even if they are not yet one week late.

Early Submissions: If you anticipate being absent when a lab report is due you may submit it early for grading based on full credit.

Method of Submission: The only acceptable methods of submissions are: (1) directly to your TA; or (2) directly to the General Chemistry Office (Fulmer 319). In these cases "directly" means handing it to the appropriate human.

Material submitted after 5:00 PM each weekday will be considered to have arrived the following day.

Assignments delivered any other way, (e.g. slid under a door) will be considered to have been submitted at the time that they are found, if they are ever found.....

HELP

Aside from your lecturers you can find help at these places.

Abelson 227/Fulmer 401. All chemistry TA's hold their office hours in the TA room in Abelson 227 (Mon-Thurs. 10AM-4PM), and in Fulmer 401 (Mon-Thurs. 4PM-8PM). Fulmer 401 has computers and software for your use in this course with free printing of a limited number of pages/semester.

Stephenson Tutors: Chemistry tutors may also be available in the Stephenson Tutoring Center (Evenings, 7PM-9PM Sun. through Thurs.) pending budget availability. More information will be provided.

REQUIRED THINGS

CALCULATORS: You are expected to have and to be able to use a scientific calculator. The use of stored information on a programmable alpha-numeric calculator will be considered cheating. QWERTY style calculators will not be allowed on exams and quizzes.

TEXT: "Chemistry: The Science in Context", Gilbert, Kirss, Foster, and Davies 3rd Edition (Required).

LAB TEXT: Chemistry 105-106: General Chemistry Laboratory Manual (Rice, Scheiffer, Sakamoto, Finnaegan & Wherland) Star Publishing (copyright 2013) (**REQUIRED**): The cover is green & black colored.

LABORATORY NOTEBOOK: Duplicating with numbered pages. (Sold during first lab) (**REQUIRED**)

GOGGLES: REQUIRED by OSHA. (Sold during first lab, from Nikki, or from Bookstores)

LABORATORY COAT: REQUIRED. A strict dress code is enforced in the laboratories. **NO SHORTS, NO SHORT SKIRTS, NO SANDALS.** During the second week you can rent lab coats for the semester from Chemistry Club or buy them from the Chemistry Club or at bookstores.

MISCELLANEOUS

Certain WSU Policies. The provost has circulated a memo about WSU Policies that pertain particularly to courses and students in courses. It is posted on the C116 spring 2011 web site via a link: **WSU Policies**. It is STRONGLY recommended that all enrolled students read it.

Students with Disabilities:

Reasonable accommodations are available for students with a documented disability. If you have a disability and may need accommodations to fully participate in this class, please visit the Access Center. All accommodations MUST be approved through the Access Center (Washington Building, Room 217). Please stop by or call 509-335-3417 to make an appointment with a disability specialist <http://accesscenter.wsu.edu>.

EMERGENCY PROCEDURES

Fulmer Rally Point is the parking lot behind the Physics building. In case of emergency the class will meet there after fleeing for our lives from Fulmer!

Safety Resources (read these carefully)

<http://safetyplan.wsu.edu>

<http://oem.wsu.edu/emergencies>

<http://oem.wsu.edu>

<http://alert.wsu.edu>

Register your contact for the Crisis Communication System at <http://my.wsu.edu>

ACADEMIC INTEGRITY

Cheating, plagiarism, or any other activity which results in an unfair advantage will not be tolerated. Cheating includes, but is not limited to: copying work or allowing your work to be copied; use of unauthorized material(s) at quizzes or exams; any communication between students during a quiz or exam; helping another or receiving help from another when working an online quiz. Students repeating the course must rework and rewrite all assignments. Bringing unauthorized things to your exam and quiz seat is considered cheating. These include notes, books, digital files, etc. Assisting another student by providing information from your previously graded work or from early exams or early quizzes is also considered cheating. Plagiarism includes the following: resubmitting previously graded work including lab reports even if it is your own; using laboratory data from another person or a previous semester. **Cooperative learning is encouraged**, but all work submitted for grading must be your own. **Identically worded lab reports etc. are considered plagiarism and therefore cheating.** All instances of cheating may be reported to Student Affairs with the assignment. The first incidence of cheating will result in a score of zero for that assignment. A second incident of cheating will result in an F for the course and possible dismissal from the university.

COURSE OBJECTIVES, LEARNING GOALS AND EXPECTED OUTCOMES:

Chemistry 116 is a four credit course that fulfills three credits of Inquiry in the Physical Sciences [PSCI] and one credit of laboratory course requirements. Chemistry 116 is designed to advance students toward the WSU Learning Goals, especially Scientific Literacy, Critical and Creative Thinking, Quantitative Reasoning, and Information Literacy. In particular, students who successfully complete Chemistry 116 will be able to:

1. Develop an understanding of the concepts, models, and theories that form a foundation for the field of chemistry (the understanding of how the behavior of matter is determined by the properties of atoms and molecules).
2. Remember the basic vocabulary of chemistry, identify the most common elements of the Periodic Chart, and learn common applications of textbook chapter topics.
3. Apply standard algebraic calculation procedures, individually and in combination, to explore and understand the physical properties of matter.
4. Create procedures to solve problems by applying single and multiple concepts to new situations.
5. Apply chemical procedures and evaluate experimental results to develop an appreciation for the experimental basis of chemical knowledge and experimental methods through laboratory work.
6. Write effectively about scientific experiments by describing laboratory procedures and results, and then evaluating and presenting a discussion of these results in the manner of a scientific report.