

SYLLABUS

CHEMISTRY 102

SPRING 2014

LECTURES: MWF 1:10PM in Fulmer 226

INSTRUCTOR: Prof. Jeffrey P. Jones

OFFICE: Fulmer 408 PHONE: No phone calls please Email: jjp@mail.wsu.edu

OFFICE HOURS: M W F 2-3PM, and by appointment (make appointments by email)

GENERAL CHEMISTRY OFFICE: Fulmer 319A BULLETIN BOARD: Outside Fulmer 319

GENERAL CHEMISTRY COORDINATOR: Nikki Clark PHONE: 335-1516 Email Nikki_Clark@wsu.edu

INTERNET: We will be using Mastering for online homework, and Learning Catalytics for in class questions. All class information, handouts, notices, and schedule changes will be emailed to you at your zzuzis account email. It is your responsibility to check it regularly. You can also use the Chem 102 Facebook page to ask questions of TA's, other students and Professor Jones.

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| GRADING: | 3 tests | 35% or 50% ¹ |
| | Learning catalytics | 10% |
| | Mastering homework sets | 15% |
| | 12 of 13 lab experiments | 25% |
| | Final Exam | 15% or 0% ¹ |

¹ **The final exam is optional and comprehensive. If you do not take the final your grade will be determined with this formula.**

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| EXAMS: | 1 | Feb. 13th | 6:00–7:00pm |
| | 2 | March 13th | 6:00–7:00pm |
| | 3 | April 24st | 6:00–7:00pm |
| | Final | May 8th | 7:00–10:00pm |

GRADE RANGES: (This is the worst case grading scenario. It is possible the grade ranges will be adjusted)

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|-------|-----------------|
| A | 100-93.0% |
| A-/B+ | 92.9-89.0% |
| B | 88.9-80.0% |
| B-/C+ | 79.9-76.0% |
| C | 75.9-65.0% |
| C-/D+ | 64.9-61.0% |
| D | 60.9-58.0% |
| F: | Less than 58.0% |

TEXT: General, Organic and Biological Chemistry, Volume 2. McMurry, Ballantine, Hoeger & Peterson. 7th edition, (2013), Pearson/Prentice Hall. This is a custom print for WSU of Chapters 12-29. Access to the Mastering Chemistry homework system is also required. Your registration from CHEM 101 should still be valid. This is included with the new text bundle available at Crimson&Gray, or it can be purchased at the bookstores or online at the site <http://www.masteringchemistry.com>. If you did not use Mastering Chemistry last semester, access codes may be purchased at the bookstore or directly on the Mastering Chemistry website. Learning Catalytics is free to students that have Mastering with an ebook. If they have Mastering without an eBook - they simply need to upgrade their account for \$12 for 6 months of Learning Catalytics.

LAB TEXT: *Chemistry 102 Laboratory Manual*, WSU Chemistry Department, Star Publishing (2013).

LABORATORY NOTEBOOK: Duplicating with numbered pages. (Available in Fulmer 318 the 1st and 2nd week of class, available in the bookstores, or continue to use the notebook from a previous semester)

GOGGLES: Required (Sold in Fulmer 318 the 1st and 2nd week of class. Also available in the bookstores.)

LABORATORY COAT: Mandatory. Lab coats are available from the bookstores and the Chemistry Club.

CALCULATORS: Each student is expected to have and to be able to use a simple scientific calculator. Graphing calculators are allowed but not required. Calculators with a full QWERTY keyboard; PDAs; palmtops; laptops and/or handheld computers; and cell phone/calculator combinations may not be used in the labs. Each student is responsible for bringing a calculator to all labs. Unless otherwise announced, calculators of any type may not be used during quizzes and exams in this course.

ACADEMIC INTEGRITY: Cheating or plagiarism in any form will not be tolerated. Cheating includes, but is not limited to: copying work or allowing your work to be copied; use of unauthorized material at quizzes and exams, any communication between students during a quiz or exam, the use of any stored information/programs in a programmable calculator during a quiz or exam, and actively looking at another student's paper during a quiz or exam. Students repeating the course must rework and rewrite all assignments. Plagiarism includes resubmitting previously graded homework or lab reports from a previous semester, even if they were your own work. Plagiarism also includes using laboratory data from another person or a previous semester. Obtaining information about quizzes taken in other sections is considered cheating. Any use of a cell phone or other communication device during any quiz or exam is cheating. Use of any electronic device other than an approved calculator during a quiz or examination is cheating. All incidences of cheating will be reported to the Office of Student Conduct. The first incidence of cheating will result in a score of zero for that assignment, quiz or exam. A second incident of cheating will result in an F for the course and possible dismissal from the University.

LECTURES: Lectures should be attended on a regular basis. You will be expected to read the textbook AHEAD of coming to class. The PowerPoint presentations of the lectures will be available.

Final Exam and Tests: There will be three midterm exams and a comprehensive final that will cover lecture, and homework material. All exams will be short answer or equivalent. Unless otherwise announced, no calculators may be used during the exams. Exams may be given in rooms other than the regular classroom. These rooms will be announced. No make-up exams will be given. If you are unable to take a scheduled exam for academic reasons beyond your control, you may be allowed to schedule the exam at an earlier time. Tests missed due to "illness" will be excused, with the other exams and the final exam pro-rated to count for more. **Evening tests take precedence over all other university activities.**

HOMEWORK: There will be a total of 12 weekly homework assignments administered through the Mastering Chemistry web site: <http://www.masteringchemistry.com>, of which 10 will be counted towards your grade. (15% of your grade).

If you took Chemistry 101 in the Fall 2012 semester, you will already be registered with the Mastering Chemistry system. If you were not in Chemistry 101 at WSU last semester, you must purchase a student access code for Mastering Chemistry from the bookstore or on the Mastering Chemistry site. Please follow the instructions and use the access code to register for the system and enter your eight-digit Student ID # into the appropriate space in the Mastering Chemistry system.

All students (new and old) must log into the Mastering Chemistry system and enroll in the class with the course ID: **WSUCHEM102SPRING2014**. The due date/time for each assignment will be listed with the assignment on the homework site. It is recommended that you examine the homework on the Monday it is posted and print it out so that you may consult TAs in tutorial and office hours during the week. The option to request answers to the homework problems will not be available until the day after the assignment is due. If you wish to see the answer to a problem, go back to the assignment after the due date and request the answers. If you have questions about how to answer a question, consult with the instructor or a TA.

Your WSU Student ID Number will be used to transfer homework scores from the Mastering Chemistry system to the Angel grade book. Homework scores will be transferred to the Angel grade book weekly. If you completed the homework, but do not see the scores on Angel, check to make certain that your student ID number is correctly entered in the Mastering Chemistry system. It is the student's responsibility to make certain that the scores are being transferred to Angel. **IF YOUR HOMEWORK SCORES DO NOT TRANSFER TO THE ANGEL GRADE BOOK, YOU WILL RECEIVE NO HOMEWORK CREDIT IN THIS COURSE.**

LEARNING CATALYTICS: [http:// learningcatalytics.com](http://learningcatalytics.com) This will be used in class to ask questions that will be 10% of your grade. Many days credit will be given for any answer not just the correct answer. Students must bring an internet able device to be able to interact with catalytics. If you have a device that has a browser you are internet enabled. Only the top 80% of your answers will be counted.

LABORATORIES: Lab meets every week, including week#1 and exam weeks.

Attendance: The laboratory must be both attended and passed as this is a Lab GER course. Failing the lab will result in a failing grade for the whole course. Students will not be admitted to lab late. Fail to submit 3 labs and you will fail the entire course no matter what your other scores are.

Make-up labs (rescheduling): Tutorials and labs missed for reasons beyond your control may be made up, on a space available basis, in the same week that the lab is missed. Permission for a make-up lab must be obtained, in writing, from the Chemistry Office, Fulmer 319A. The permission slip will be collected and signed by the make-up TA. **We cannot guarantee that make-up space will be available.** If you know in advance that you will miss a lab, visit Fulmer 319A as soon as possible in order to maximize the chance that make-up space will be available. A maximum of two laboratory experiments may be rescheduled in this manner.

If rescheduling is not possible or allowed: If make-up space is not available or you have already used your two rescheduling opportunities, a report may be written from data supplied by the instructor. Such reports are due at the normal time (in tutorial one week after you should have attended lab) and will be worth no more than ½ credit. You must obtain this data directly from the instructor in his office. Data will not be sent via email.

Pre-laboratory assignments: Pre-laboratory assignments are due at the start of the tutorial. Students who have not completed the pre-lab assignment (or completed the wrong assignment) will receive a 20% penalty on the entire laboratory report, but will be permitted to complete it outside the laboratory in Fulmer 319 after tutorial. Once the pre-lab is submitted to the TA, the student will have the remaining time to complete the laboratory work. No additional time will be allowed.

Laboratory procedure: Students are to perform the experiments individually unless otherwise instructed by the TA. Each student is required to record all data and observations for each experiment directly into their own laboratory notebook. Data may not be recorded on loose, 'scratch' paper then transferred to the notebook. Submission of identical data by two or more students who are not assigned to be laboratory partners will be considered cheating. Appropriate penalties will be applied to all parties. You are required to get your TA's signature on your data and calculations before you leave lab. Failure to do so will result in zero credit for that experiment.

Laboratory dress code: For your safety, a strict dress code will be enforced in the laboratory. Failure to comply with the dress code will result in expulsion from the laboratory and a consequent score of zero for that experiment. The dress code requires that you be fully clothed from shoulder to toe. It is recommended that you purchase and use a full-length lab coat. This will adequately cover the upper body, but your legs, ankles and feet must be completely covered by your 'street clothing'.

Laboratory Reports: Laboratory reports will be due at the start of the next tutorial. All laboratory reports must be written out in the laboratory notebook, with the original being retained in the notebook and the carbon copy handed in for grading. Students are responsible for writing their own laboratory report discussion. Although the concepts covered in lab may be discussed with other members of your group, **the report must be in your own words.**

Adjustments to laboratory scores: The instructor will make every effort ensure that the grading of laboratory reports is consistent and fair. To this end, the instructor reserves the right to normalize the laboratory scores from the different laboratory instructors to the same average. Any such adjustment will be made at the end of the semester after all scores have been submitted. TA performance will be assessed throughout the semester with the goal of eliminating any necessity for these adjustments. Students are encouraged to bring any concerns about the equity of the grading process to the attention of the course instructor.

ACCOMODATIONS: Reasonable accommodations are available for students who have a documented disability. Please notify the instructor during the **first week of class** of any accommodations needed for the course. Late notification may cause the requested accommodations to be unavailable. All accommodations must be approved through the Access Center in Washington Bldg, Room 217. Stop by or call 509-335-3417 to make an appointment with a disability specialist. Students requiring extra time on midterm exams due to a documented disability should plan to take the midterm exams early (4:00 pm) on the test days under the supervision of the course instructor.

Accommodations are available for students for whom examinations fall on days objectionable due to religious beliefs or for those who must be absent from campus an exam days due to an official university activity. Requests for such accommodation must be presented, in writing, to the course instructor at least one week prior to the examination.

CLASS POLICY ON LATE (OR EARLY) ASSIGNMENTS:

Laboratory reports: Early Policy: You will receive 0.25 points EXTRA CREDIT for each day you turn in your lab prior to the due date (maximum of 1 point per lab). If you wish to turn in a lab early, give it to your TA directly or put it in the box (see method of submission below).

Late Policy: There is none. It has been superseded by the Early Policy. Labs turned in after the due date will be scored as a 0 (zero) and counted as a completed lab and thus cannot be made up at the end of the semester. No reports will be accepted after 5:00 pm on the last day of classes even if they are not yet one week late.

Method of submission: It is best to personally deliver late or early submissions to the instructor or to your TA. Note that, outside of class/laboratory times and posted office hours, we make no pledge to be present or available for this purpose. If you are submitting work at other than the specified time, it is your responsibility to find us. The only other acceptable method of submission is via the box in Fulmer 319A during normal office hours. If this office is closed, there will either be a sign redirecting you to another office or you must wait until the office is reopened. Assignments slid under the door of Fulmer 319A may be swept up as trash and thrown away. Assignments delivered in any other way (slid under the instructor's office door, for example) will be considered to have been submitted at the time they are found, if they are found.

Homework assignments: Homework assignments may only be submitted via the Mastering Chemistry system. Late homework assignments will not be accepted for any reason.

S.L.I.C.: The Science Learning and Instructional Center is in Abelson 227. All chemistry TA's hold their office hours in the TA room in SLIC from 10:00am – 4:00pm Monday – Thursday. After 4:00pm office hours are held in Fulmer 401 Monday – Thursday. You may ask any Chem TA for help in this course, however, TA's are NOT allowed to do your homework, pre-labs or lab reports for you, they can only guide you.

THE CHEMISTRY DEPARTMENT COMPUTER LABORATORY. The chemistry department has a computer laboratory in Fulmer 401. You have already paid a fee to support this facility. You may use the computers in this lab for no additional charge, although there may be restrictions on printing.

SAFETY: The campus safety plan is at <http://safetyplan.wsu.edu/>. Go to <http://oem.wsu.edu/Planning.html> to prepare for emergencies. The campus-wide alert system is at <http://alert.wsu.edu/>.



How to Join Another MasteringChemistry Course

Dear Student:

To join another MasteringChemistry® course, see which column below applies to you. You can be in up to four MasteringChemistry courses, whether at the same time or one after another.

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| <p>If you CAN STILL LOG IN to a MasteringChemistry course</p> <p>-AND-</p> <p>Your next MasteringChemistry course uses the same textbook (including its edition) or the same resource, such as Virtual Lab, as the original course:</p> | <p>If you CANNOT LOG IN to a MasteringChemistry course anymore</p> <p>-OR-</p> <p>If your next MasteringChemistry course uses a different textbook or different resource, such as Virtual Lab, than your previous course:</p> |
| <p>Follow the instructions below. You don't need to register again (i.e., redeem an access code or buy access online). <i>Note:</i> Your instructor controls the end date for each MasteringChemistry course. You can no longer log in to a course after its end date.</p> | <p>Follow the instructions in the student guide for getting started (available from www.masteringchemistry.com > Tours & Training > Getting Started). You will need to redeem an access code or buy access online. <i>Tip:</i> To help manage your Pearson resources, use the same Pearson user account (as identified by your Login Name and Password) for all of your Pearson products.</p> |

Log in to a MasteringChemistry course

1. Go to www.masteringchemistry.com.
2. Enter your Login Name and Password and click **Log In**.

Join another MasteringChemistry course and open available self-study resources

1. Click **My Courses** in the upper left.
2. Choose **Join Another Course**.

3. Enter the Course ID and click **Continue**.
 - **Course ID: MCJONES40168**
 - *If the Course ID you entered applies to a different book or another resource for which you don't have access yet:* You will be asked to either redeem an access code or buy access online. Follow the on-screen instructions.
4. If asked, enter your Student ID according to the instructions provided and click **Continue**.
 - *If you want to consult with your instructor first:*
You can add your Student ID later by clicking your name link in the upper right.

You should see the Course Home page of the additional course. From now on, logging in will take you to the Course Home page of the MasteringChemistry course you last worked in.

- *To switch your view among MasteringChemistry courses:*
My Courses > Switch to a Different Course menu.
- *To check out self-study resources:* Click **eText** and/or **Study Area**, as available.

Support

Go to the Support area of www.masteringchemistry.com, where you will find:

- System Requirements
- Answers to Frequently Asked Questions
- Registration Tips & Tricks video
- Contact information for Support, including Live Chat