Syllabus *Chemistry 104* *Spring 2018*

Class Meetings: Time varies by section, two hours per weekly class meeting, (one studio credit), as detailed at http://www.catalog.wsu.edu/General/AcademicRegulations/ListBy/27

Instructors: Dr. Paul Buckley Fulmer 120 335-8282 ptbuckley@wsu.edu
Office Hours: Tuesday 10pm, Thursday 1 am, or by appointment.

Benjamin Rinne Benjamin.rinne@wsu.edu (Coordinator for the course)

Teaching Assistants: Assigned by section.

General Chemistry Office:
Nikki Clark Fulmer 319A 335-1516 nikki_clark@wsu.edu

Course Website: Blackboard Learn (Bb) https://learn.wsu.edu

Grading:
- Attendance and participation……40%
- Online Quizzes (weekly)…….. 30%
- Homework problems …….. ……..30% (Homework problems are done by hand and turned in to your TA).

Grade Ranges (minimum percent)

90 A	87 A-	
84 B+	80 B	77 B-
74 C+	70 C	67 C-
64 D+	60 D	<60 F

Prerequisites for this class are: Concurrent enrollment in CHEM 103 or CHEM 105.

Course Objectives, Learning Goals, and Expected Outcomes: Chemistry 104 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 104 will be able to:

1) Achieve the necessary skills in critical thinking, problem solving, and group-based learning to succeed in Chem 105.

Text and Online Components
Since corequisites for Chem 104 are either Chem 103 or Chem 105, students will already have the required textbook and Mastering Chemistry access.

Text:
Chemistry: A Molecular Approach by Tro, 4th edition, Pearson (2016). ISBN: 978-1-323-45432-9 (hardcover) or 978-1-323-43344-9 (eText). (Required)

Group Work Format: The emphasis will be on a group-oriented, peer instruction based experience that is hands-on and minds-on.

Online Components: There are several aspects of the course, described below, that are accessed through the Blackboard Learn online course management system (https://learn.wsu.edu). Mastering Chemistry and Learning Catalytics are accessed through the Mastering Chemistry link on Blackboard.

Calculators: You are expected to have and to be able to use a scientific calculator. Graphing calculators are allowed but not required. The use of any stored information/programs in a programmable calculator, such as the TI N-spire will be considered cheating. Calculators with a full keyboard (such as the TI-92 or Voyage 200); PDAs; palmtop, laptop and handheld computers; and cell phone/calculator combinations may not be used during examinations. You are responsible for bringing your calculator to all class meetings and exams.

Classroom Devices: In order to participate in the in-class questions using Learning Catalytics (part of the Mastering Chemistry package) students must bring a device to class that is Wi-Fi enabled and log in to their Mastering Chemistry account in the lecture room. This can be a cell phone, tablet, or laptop.

Course Website: We will be using the Bb course management system for the course website. This can be accessed via https://learn.wsu.edu. You are responsible for checking this site regularly. Use your WSU network ID and password to log in. You can also send email to the course instructor, TAs, or other students via the Bb Course Email tool.

Questions About Electronic Resources: When encountering difficulties with either Mastering Chemistry or Learning Catalytics, you are encouraged to use the built-in Help & Support system. If you would rather not communicate electronically, you can call Pearson's WSU Priority phone number at (855) 875-1797 or the General Student Help phone number at (800) 677-6337 24-hours a day. The Discussion Forums and Facebook Community are also resources.

Expectations for Student Effort

As per WSU academic regulation 27, "Academic credit is a measure of the total minimum time commitment required of a typical student in a specific course. For the WSU semester system one semester credit is assigned for a minimum of 45 hours…. Achievement of course goals may require more than the minimum time commitment." This guideline includes time spent in class.

This guideline essentially states that a student can reasonably be expected to spend two hours outside of class on assignments for every one credit hour spent in class, or two hours per week outside of class for a one-credit studio course such as this. This is approximately the amount of time you should expect to spend on coing assigned problem solving activities, and creating your own self-authored exam questions.

Policy on Late Assignments

Late assignments are not accepted. It is your responsibility to pay attention to due dates and make sure assignments are completed on time. No points will be awarded for late assignments.

Attendance Policy

It is expected that on-campus students attend every class meeting, and that online students participate in a discussion forum each week. Attendance will not be taken in class, but the use of Learning Catalyics is effectively a check on attendance. Missing class will result in missing a Learning Catalytics assignment, and no points will be awarded for Learning Catalytics for that day.

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, and actively looking at another student's paper during a quiz or exam. Use of any electronic device other than an approved calculator during a quiz or examination is cheating. 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 (without the option to withdraw) for the course and possible dismissal from the University.

Note that all instances of cheating will be reported to Academic Integrity, regardless of whether they result in an F for the class.

Accommodations: Reasonable accommodations are available for students who have a documented disability. If you need accommodations to fully participate in this class, please visit the Access Center. All accommodations **MUST** be approved through the Access Center (Washington Bldg, Room 217). Please stop by

or call 509-335-3417 to make an appointment with an Access Advisor. Further information is available at http://accesscenter.wsu.edu.

Classroom Safety Statement

Classroom and campus safety are of paramount importance at Washington State University, and are the shared responsibility of the entire campus population. WSU urges students to follow the "Alert, Assess, Act" protocol for all types of emergencies and the "Run, Hide, Flight" response for an active shooter incident. Remain ALERT (through direct observation or emergency notification, ASSESS your specific situation, and ACT in the most appropriate way to assure your own safety (and the safety of others if you are able).

Please sign up for emergency alerts onyour account at MyWSU. For more information on this subject, campus safety, and related topics, please view the FBI's Run, Hide, Fight video and visit the WSU safety portal.