



Course Syllabus: General Chemistry - I  
McCoy College of Science, Mathematics and Engineering  
CHEM 1143 Section 101  
Fall Semester of 2018

### **Contact Information**

Instructor: Dr. Jianguo Shao  
Office: Bolin-307E  
Office hours: 8:30 – 12:00 pm (TR) and 1:00 – 4:00 pm (W)  
Office phone: (940) 397-4463  
E-mail: Jianguo.shao@mwsu.edu

### **Course Description**

Systematic treatment of fundamental chemical and physical principles and their applications to the properties and transformations of materials, including the concepts of energy and its uses, gas laws, kinetic molecular theory, laws of chemical combination, atomic and molecular structure, periodic classification of the elements, and chemical bonding

### **Textbook & Instructional Materials**

Chemistry: the central science by Brown, LeMay, Bursten, Murphy, Woodward, Stoltzfus and Lufaso 14<sup>th</sup> Ed.

### **Study Hours and Tutoring Assistance**

Free chemistry tutoring program will be provided for this course. It will be announced by the instructor when it becomes available.

### **Student Handbook**

Refer to: [Student Handbook 2017-18](#)

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct.

[Student Handbook 2017-18](#)

## Grading

Table 1: Points allocated to each assignment

Assignments	Points
Four One-Hour Exams	400 (44.4% of total points)
Ten Homework Sets	200 (22.2% of total points)
Class Attendance (or Quizzes)	100 (11.1% of total points)
Final ACS Exam	200 (22.2% of total points)
Total Points	900

Table 2: Total points for final grade.

Grade	Percent of Total Points
A	$\geq 90\%$
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	$< 60\%$

### Homework

Homework will be assigned through the SaplingLearning system via [this website](#). Ten homework sets correspond exactly with ten chapters we will study this semester. The deadline for each homework set will be announced by the instructor. Any late homework will not be accepted. Students need to pay \$40 to purchase the online homework provided by SaplingLearning.

### Quizzes

Quizzes are used to monitor the class attendance. At the end of each class, a short question will be given. Students who turn in their answers to the instructor will receive the full credit.

### Exams

There are four one-hour exams. Each has 100 points and accounts for 11.1% of total points. The exam dates are detailed in the course schedule.

### Projects Required

No project will be required in this course.

### Mid-Term Exam

No mid-term exam will be given.

### **Final Exam**

A standard ACS final exam will be provided. It has 200 points and accounts for 22.2% of total points. This test is a comprehensive multiple choice one which covers all chapters taught in the whole semester.

### **Extra Credit**

This course will not accept any extra credit assignments.

### **Late Work**

No late work will be accepted at any times in this course.

### **Make Up Tests**

Under no circumstances will make-up quizzes be given. Make-up for major exams will be given for excused absence only.

### **Important Dates**

Last day for term schedule changes: August 27 – 29, 2018

Deadline to file for graduation: October 1, 2018

Last Day to drop with a grade of "W:" October 29, 2018

Refer to: [Drops, Withdrawals & Void](#)

### **Attendance**

Attendance is required for this course as stated in [Student Handbook 2017-18](#). Excessive unexcused absences will result in an instructor drop with a grade of "F".

### **Instructor Class Policies**

Calculators with large memory capacity, mathematical solution software, and chemistry software are not allowed on exams. The use of such a calculator on an exam constitutes cheating. Single-line scientific calculators are acceptable.

### **Change of Schedule**

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

### **Refund and Repayment Policy**

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state) exist in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

## **Services for Students With Disabilities**

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

## **College Policies**

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

## **Grade Appeal Process**

Students who wish to appeal a grade should consult the Midwestern State University [Undergraduate Catalog](#)

Notice

Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

## Course Schedule

Date	Chapter	Topic
August 27 – Sept 05	1	Introduction: Matter and Measurement
September 03	No Class	Labor Day
September 07 – 14	2	Atoms, Molecules, and Ions
September 17	Test 1	Chapters 1 and 2
Sept 19 – 26	3	Chemical Reactions and Reaction Stoichiometry
Sept 26 – Oct 05	4	Reactions in Aqueous Solutions
Oct 08 – 12	10	Gases
Oct 15	Test 2	Chapters 3, 4 & 10
Oct 17 – 24	5	Thermochemistry
Oct 26 – Nov 02	6	Electronic Structure of Atoms
Nov 05 – 12	7	Periodic Properties of the Elements
Nov 14	Test 3	Chapters 5, 6 and 7
Nov 16 - 26	8	Basic Concepts of Chemical Bonding
Nov 21 - 23	No Class	Thanksgiving Holiday
Nov 28 – Dec 05	9	Molecular Geometry and Bonding Theories
Dec 07	Test 4	Chapters 8 and 9
December 12	ACS Final Exam	Bolin 312 (8:00 – 10:00 am)