

Instructor: Mike Davis

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Office Hours: 2:00 – 4:00 M, 1:00 – 3:00 T

Natural Science Department Contacts:

Dean Dr. Natavia Middleton

Office Location: Mid-Town Room 310

Office Number: 727-398-8288

Class Schedule:

Monday	9:30 – 10:45	Lecture	BB119
Thursday	9:30 – 10:45	Lecture / Exam	BB119

Classes will begin promptly at the starting time on each meeting day.

Pre-requisite: CHM1025 and CHM1025L. A grade of 'C' or better is required in pre-requisite courses.

Co-requisite: CHM2045L. Enrollment in CHM2045 requires enrollment in CHM2045L. Withdrawal or removal from CHM2045L requires withdrawal or removal from CHM2045.

Catalog Course Description: The sequence CHM 2045/L and CHM 2046/L is designed to meet first-year college chemistry requirements for science majors and engineering students. This course includes the study of periodicity, basic quantum theory, bonding, thermochemistry, stoichiometry, gas laws, properties of the liquid and solid states, and solutions. 47 contact hours.

Textbook

Title: Chemistry (9th edition)

Author: Zumdahl

ISBN: 9781305367760

Textbooks can be purchased at the Tarpon Springs Bookstore or [online](#).

NOTE: The ISBN above represents a bundle that contains access to online homework codes. Of the two, the online homework codes will be mandatory as part of a class grade. Previous editions of the book are acceptable.

Required Materials

1. Scientific calculator. Sample calculators like the [TI-30Xa](#) or [TI-30XII](#) will work. The most important features will be the four functions and scientific notation.
Cell phones and tablets will not be permitted as calculators during quizzes or exams.
2. Reliable and continuous internet access. Course materials will be made available online through email, [FaradaysClub](#), and [MyCourses](#).

Criteria Performance Standard: (see "Grading" below)

Class Attendance and Participation

Regular class attendance is expected and required: Students must come to class prepared to work on problems. This will often require advanced reading and some addition pre-class work. Being prepared for class gives us the opportunity to make the most of our time together, and learn as much chemistry as possible. Excessive absences or tardiness will likely result in a lower grade.

Distractions: Your attention and presence is required while we are in class together. Sleeping, texting, or other activities unrelated to the class will distract you and your classmates from important material. Our time together is limited, and it is important that we make the most of it.

Absences: Attendance is required at all class meetings in order to be successful. Students that do not attend class at least once in the first two weeks will be withdrawn through a No-Show process. Students with more than 2 absences prior to the withdrawal date (3/22/2017) may be administratively withdrawn resulting in a grade of 'WF' which has the same impact as an 'F' grade on a GPA. In short, come to class. [SPC Withdrawal Policy](#).

Tardiness: Class begins promptly at the start time. Work and quizzes begin at that time. Students who miss work, exams, or quizzes due to late entry will not be permitted to receive credit. If something unavoidable results in tardiness, be respectful to the class. You will need to enter the classroom quietly and without disruption.

Quizzes and Examinations

Quizzes: Brief quizzes will be given on a weekly basis covering content from previously covered material. These quizzes will generally have 3 to 4 questions and will be taken individually for 10-15 minutes. The same quiz will be given in small groups of four or five, and the recorded score will be the average of the two.

Exams: Three exams will be given at five-week intervals throughout the semester and a final exam at the end of the semester. These exams will include material from the previous 4 or more weeks of class.

All quizzes and exams are, in some way, cumulative. Material covered in the first week of class is related to material covered in the last week of class. Exam study sheets will be posted one week prior to the exams, to give you an idea of the most important topics.

Make-up: Make-ups for quizzes are not permitted. Make-ups for exams may be granted at the discretion of the instructor only. The following conditions must be met for a make-up exam:

- You have made a prior arrangement with me, and I have granted approval, OR
- You have contacted me at least 24 hours prior to the exam, and I have received and acknowledged the situation. Additional documentation may be required.

Missed exams that do not qualify for a make-up will receive a grade of zero.

Academic Honesty

The college has an official policy on academic honesty and proper classroom behavior. It is the student's responsibility to review the online [Academic Honesty Policy](#) or "Academic Honesty and Student Behavior: Expectations of Students at SPC" brochure. It is important to remember that everyone's goal should be to learn. Behavior that impedes the learning process of others will not be tolerated. Disruptive behavior includes talking at inappropriate times, text-messaging or talking on the phone during class or repeatedly coming to class late. Students are expected to be actively engaged in the learning process, and should ask the instructor questions as needed.

Grading

Task	Value
Three Exams	300 points
Final Exam	100 points
Homework	100 points
In class work	50 points
Quizzes	80 points
Total	630 points

Point values for individual tasks and the total are approximate and are subject to change.

Letter Grades

Percentage	Letter Grade
100 – 90	A
89 – 80	B
79 – 70	C
69 – 60	D
0 – 59	F

All graded assignments will be collected at the START of class on the day it is due. Late work will not be accepted.

Exceptions: Taking into consideration that from time to time people have a need to focus their attention on the non-chemistry portion of their lives, the following exceptions will be made to the above grading scheme.

- The lowest homework assignment will be dropped.
- The lowest quiz will be dropped.
- The lowest in-class work will be dropped.

Tentative Semester Schedule

Week Starting	Topic	Chapter (Zumdahl)
Jan. 9 th	Measurement and Dimensional Analysis, Problem Solving	1
Jan. 16 th	Atoms, Molecules, Ions Quiz One	2
Jan. 23 rd	Chemical Reactions / Stoichiometry Quiz Two	3
Jan. 30 th	Chemical Composition / Solutions Quiz Three	3, 4
Feb. 6 th	Solution Stoichiometry Exam 1	4
Feb. 13 th	Gasses and Kinetic Molecular Theory	5
Feb. 20 th	Thermochemistry and Heat Exchange Quiz Four	6
Feb. 27 th	Thermochemistry Continued Quiz Five	6
Mar. 6 th	Spring Break – No Classes	N/A
Mar. 13 th	Atomic Structure and Periodicity Quiz Six	7
Mar. 20 th	Quantum Structure and Bonding Exam 2	7
Mar. 27 th	Molecular Bonding – Lewis Structures	8
April 3	Bonding and Condensed Phases Quiz Seven	8-9
April 10 th	Condensed Phases Quiz Eight	10
April 17 th	Properties of Solutions Quiz Nine	11
April 24 th	Properties of Solutions Exam Three	11
May 1	Final Exam	N/A

Pertinent SPC Information**Student Survey of Instruction (SSI):**

The student survey of instruction is administered in courses each semester. It is designed to improve the quality of instruction at St. Petersburg College. All student responses are confidential and anonymous and will be used solely for the purpose of performance improvement.

SPC Withdrawal Policy:

Instructors can no longer withdraw students from classes. If a student wishes to withdraw from a course, it is the responsibility of the student to withdraw either online through MySPC or with the help of an advisor in the registration office. If the withdrawal is completed by **3/22/2017**, a grade of "W" will be recorded which does not impact the student's GPA. If the withdrawal occurs **after 3/22/2017**, the student will receive a grade of WF (withdraw-failing). The WF grade is punitive; it has the same impact on the GPA as an F. Students in the third attempt of a course who withdraw will receive a WF regardless of the date of withdrawal. Students who do not attend at least one class during the first two weeks of classes will automatically be withdrawn from the course by the college and will still be responsible for the tuition and fees. Also, students who do not show sufficient active participation (completion of assignments, and exam) in the course by **3/22/2017**, will be administratively withdrawn by the college and receive a WF. Students who withdraw from all classes may be required to repay some or all of the financial aid received for the term. Should you consider totally withdrawing from all classes before **3/22/2017**, it is important that you consult the Scholarships & Student Financial Assistance office on your home campus to understand your options and the consequences of total withdrawal.

COLLEGE CALENDAR: <https://www.spcollege.edu/calendar/>

Important Dates:

1/9/2017	Classes begin
1/13/2017	Last day to drop with refund or change to audit
1/16/2017	Martin Luther King Holiday – NO CLASSES
3/5 – 3/12/2017	Spring Break – NO CLASSES
4/14 – 4/16/2017	Spring Holiday – NO CLASSES
3/22/2017	Last day to withdraw with a grade of "W"
5/1/2017	Final Exam - Monday

Note to students: The syllabus addendum is an important part of your syllabus and can be easily accessed by using the link below. Take the time to read this very important information—
<http://www.spcollege.edu/addendum/>

Academic Integrity: SPC has an official policy on academic honesty and proper classroom behavior. It is the student's responsibility to review the online [Academic Honesty Policy](#) or "Academic Honesty and Student Behavior: Expectations of Students at SPC" brochure. It is important to remember that everyone's goal should be to learn. Behavior that impedes the learning process of others will not be tolerated. Disruptive behavior includes talking at inappropriate times, text-messaging or talking on the phone during class or repeatedly coming to class late. Students are expected to be actively engaged in the learning process, and should ask the instructor questions as needed.

Disability Statement: St. Petersburg College provides reasonable accommodations for students with disabilities in compliance with *Title II of the Americans with Disabilities Act of 1990*. A student who is in need of one or more accommodations for a disability must make a request either verbally or in writing to the College. In the event that a request is made directly to an instructor or other staff member, the instructor or staff member must refer the student to the Disabilities Office. The student must self-identify the disability by completing the *Self Identification and Authorization Form for Students with Disabilities (SDS-1)* as well as provide documentation of the disability that complies with the SPC published Guidelines for Documentation of a Disability. Confidentiality is strictly maintained for any records provided to the Office of Disabilities Services related to the student's disability. Under the law, SPC is allowed to request documentation that reflects the current functioning of the student. <http://www.spcollege.edu/dr/>

Print your name and student number. Sign, date, and return to your instructor by the end of the first week.

I, _____

(Print Name)

have received a copy of the course policy for CHM 2045 General Chemistry, Spring 2017. I understand and agree to abide by the policies of this course.

(Signature in ink)

(Date)