

# SCI 1A Syllabus

Course: #56788

M: 4:00 - 6:50 PM, W: 4:00 - 6:50 PM

Instructor: Patrick McDougall

Office Hours: By appointment

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Textbook: Conceptual Physical Science, 6th edition. Hewitt/Suchocki, Pearson Publisher.

Drop Date: 10/13/2017. If you are thinking about dropping the class, make sure you do so by October 13th.

Course Objective: This course provides an investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The interdependence of chemistry and physics will be emphasized. This course is intended for non-science majors.

Homework: Homework is essential for understanding the material covered in class. Make sure you complete homework assignments on time and are comfortable answering questions about each problem. I encourage you to find a study group and work on the homework assignments together. Your homework grade will account for 15% of your overall grade.

Exams: There will be three exams over the course of the semester. These tests will be conceptual questions in multiple choice format. The three exams will combine to be 25% of your overall grade.

Laboratory: The laboratory class meets on Wednesday and is just as important as the lectures on Monday. Laboratory experience gives you the chance to test these concepts in a hands on way. Each laboratory class will have a handout that will be turned in by the end of the period. The laboratory handouts will contribute 15% of your overall grade.

Participation: During class there will be worksheets that you will complete and turn in by the end of the period. These worksheets help me understand how you are learning the material and what we may need to review. Participation will account for 10% of your overall grade.

Final Exam: There will be a final exam for this course that is cumulative with an emphasis on the material at the end of the semester. This will account for 20% of your overall grade.

Course Essay: During the semester we will cover many concepts in this class. By the end of the semester you will be required to go further into detail than we are able to cover in class. You will do this by choosing a topic and writing an essay including: a brief history of the topic, one example of how the concept used today, and how this concept may be used in the future (current research/developing technologies). Make sure you cite any sources you use. Please limit the paper to four pages, double spaced in Times New Roman font, 12 pt. *Note: This assignment may be turned in at any point during the semester. However, once it is turned in you may not resubmit.*

Grading Policy:

90-100%	A	Homework	15%
80-89%	B	Exams	25%
65-79%	C	Laboratory	15%
55-64%	D	Participation	10%
0-54%	F	Final Exam	20%
		Course Essay	15%

Student Conduct: Students are expected to conduct themselves in a responsible manner as outlined by the board policy 5410. Conduct standards are designed to perpetuate the college's educational purposes, allowing students to enjoy the right of freedom to learn. Failure to adhere to the accepted standards will result in disciplinary action.

Accommodations for Students with Disabilities: If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me and DSP&S as soon as possible.

Plagiarism and Cheating: Cheating and plagiarism is prohibited in the class. Incidents of cheating and plagiarism will result a failing grade on the particular examination or assignment in question.