

## Spring 2017 course outline for Chemistry 352

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The main focus of Chemistry 352 will be to develop a fundamental understanding the physical chemistry of microscopic systems. During most of the semester we will discuss the quantum mechanics and spectroscopy of various chemical systems and will work through the book 'Quantum Chemistry, 2nd Edition' by McQuarrie.

### Grading

The grading of 352 will consist of the following components.

1) Surprise 10 minute quizzes in class. (5% of the course grade). Eight to ten quizzes will be given during the semester on topics you should know from previous classes or to test your understanding of important concepts in Chem 352.

2) Homework. (15% of the course grade). The best way to understand physical chemistry is by problem solving. Bi-weekly problem sets will be assigned and graded. In addition suggestions for practice problems from the text will be given. These practice problem will not be collected but may appear on the midterms and final.

3) 2 Midterms. (Each worth 20% of the course grade). The dates of the mid-terms will be:

i) Tuesday February 14

ii) Thursday March 23

Each midterm will be at the usual lecture period time.

3) Final examination. (40% of the course grade).

**Date of Final:** Tuesday May 8 9:45-11:45

Half of the final will test your understanding of material from the last third of the semester, the other half will consist of questions which draw on your knowledge from the complete course.

**Note:** time does not permit any make up exams. Mark in your diaries now the time of these exams because there will be no special scheduling of tests.