

## PHYS250: Analytical Mechanics

**Instructor:** Dr. Todd Hillwig

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**Office Hours:** MW 3:00-4:30 pm, R 2:00-3:00 pm, and by appt.

**Class Times:** MWF 2:00 – 2:50 pm NSC 118

**Course Web Site:** <http://www.physics.valpo.edu/courses/p250/>

**Textbook:** Analytical Mechanics (7<sup>th</sup> ed.) by Fowles & Cassiday, 2005

**Suggested Book:** Schaum's Mathematical Handbook (2<sup>nd</sup> ed.) by Spiegel & Liu

**Attendance:** Your participation in class is entirely up to you. Because you have signed up for this course, I will expect you to be present for every class session. If you are unable to be present in class, please contact me. It is up to you to find out what you missed.

**Readings:** I expect you to read through the assigned sections in your book. This will greatly aid your learning experience and make the lectures much more profitable.

**Assignments:** There will be weekly assignment sets that will be collected and graded. If you have difficulties with the questions, please come see me during my office hours or make an individual appointment. I prefer that you attempt the assignments on your own before seeking help. You are allowed to work with others on the assignments. However, the work *must be your own*. Do *not* simply copy what someone else has done. Also, if you are working in a group, do *not* arrive at a common answer and copy it point-by-point for each group member!

These assignments will be your primary means of learning the material, so please take them seriously!

**HONOR CODE:** It is assumed that you subscribe to the Valparaiso University Honor Code in all of your work in this course. You must write out in full and sign the honor code on *all* work that you turn in. You will be told specifically what constitutes authorized aid for each assignment, exam, etc.

**Exams and Final:** There will be 2 exams during the semester and one final exam. The final exam will be cumulative though it will emphasize material covered after the second exam. The exams will consist of short-answer and multiple-choice questions.

<b>Course Grade:</b>	Assignments	30
	2 Exams (2x20)	40
	Final Exam	<u>30</u>
	Total =	100 %