UNIVERSITY OF CALIFORNIA, SANTA BARBARA
Department of Physics

Physics 115A
Prof. R.J. Morrison

Winter 1997

Physics 115A — Quantum Mechanics

Class hours: T, R 9:30–10:45am Classroom: Broida Hall, Room #1015
Web page: http://charm.physics.ucsb.edu/courses/ph115a/ph115a_home.html

Instructor:	Professor Rollin J. Morrison
Office phone:	893-2666
Office hours:	Tuesday & Wednesday 1:30–2:30 PM
Office:	Broida Hall, Room #5103
Email:	morrison@charm.physics.ucsb.edu
TA:	Harrison Sheinblatt
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Office Hours:	Mon + Tuesday 2:00-3:00 in PLC
Discussion Section:	Friday 9:00–9:50 AM, Room #1015 Broida Hall
Text:	Gasiorowicz, "Quantum Physics", second edition, John Wiley & Sons, 1996
Books on Reserve:	Cohen-Tannoudjji, Diu, Laloe, Vol. I QC174.12.C6313 Liboff, "Quantum Mechanics", Holden-Day Eisberg and Resnick, "Quantum Physics", John Wiley QC174.12.E34 Marvin Chester, "Primer of Quantum Mechanics", John Wiley David S. Saxon, "Elementary Quantum Mechanics", Holden-Day 1968

Midterm:	**February 13**	
Final exam:	**March 18**,	8:00–11:00am
Grading:	Midterm	25%
	Homework	25%
	Final exam	50%

Comments:

Quantum Mechanics requires new ways of thinking about nature. While Quantum Mechanics affects our world very dramatically, the basic ideas are far from our everyday experience. It therefore takes a while to develop an intuition about Quantum Mechanics, and Quantum Mechanics is intrinsically mathematical.

This course assumes that the student has had an introduction to modern physics equivalent to that of Physics 5, and has had a quarter of math physics such as that of Physics 100A.