

**COURSE POLICY STATEMENT**  
**SM286 DIFFERENTIAL EQUATIONS WITH QUANTUM MECHANICS**  
**SECTIONS 1041 – SPRING 2011**

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Period	Time	Mo	Tu	We	Th	Fr
<b>0</b>	0715-0745	SM286	SM286	SM286	Research	SM286
<b>1</b>	0755-0845	SM122	SM122	SM122		SM122
<b>2</b>	0855-0945	SM122	SM122	SM122		SM122
<b>3</b>	0955-1045	SM122				
<b>4</b>	1055-1145	PT	PT	PT		PT
<b>Lunch</b>	1145-1330	PT	PT	PT		PT
<b>5</b>	1330-1420					
<b>6</b>	1430-1520					
<b>7</b>	1530-1620					

**FORMAL INSTRUCTION:**

- (1) Course materials are posted online: Syllabus, Course Policy Statement, HW Solutions, Lecture Notes, Test and Quiz Solutions.
- (2) Bring book, calculator, mechanical pencil, and eraser daily!
- (3) If you are missing any of these items, I reserve the right to send you back to Bancroft to get them. You will be marked tardy if this is necessary.
- (4) Don't sleep in class! You may stand to stay alert.
- (5) Beverages YES/Food NO ... CLEAN UP YOUR MESSSES!
- (6) Course hours will not be adjusted to accommodate weekend plans/events.
- (7) I record all absences/tardiness daily on MIDS. I do not adjudicate.
- (8) If you see a mistake during instruction, stop me and correct my error.
- (9) If you are late or must leave early, request permission to enter/depart.
- (10) **Section Leader:**
  - a. Do not call the class to attention until I tell you to do so.
  - b. If I am absent and a substitute is not present, assign productive work, and report to the math department chair in CH300.
  - c. Do not dismiss the section early.

**HOMEWORK/QUIZZES (30%)**

- (1) Initially homework will not be collected. Solutions are posted online.
- (2) Homework assignments drawn from Quantum Mechanics examples will be collected. These solutions are not posted on line.
- (3) Quizzes will be given **often** and will consist of one or two questions from the homework.
- (4) Quizzes (are closed book) and will be administered in the first five minutes of class.
- (5) You will lose points if you do not:
  - a. Put your name on the quiz.
  - b. Circle your team designation.
  - c. Complete the quiz in pencil.
  - d. Box your answer.

### **HOURLY TESTS (4 Total – 1 Hour - 40% of Grade):**

- (1) You will receive 3 traditional tests. Scores on the 4<sup>th</sup> test will be drawn from your quantum mechanics homework scores
- (2) Subject matter from quantum mechanics will not be tested and will not appear on the final.
- (3) You may use your calculator (unless otherwise directed), however, you must show all intermediate steps to receive full credit for your work. No Steps = No Credit.
- (4) 5 Points will be deducted if do not put:
  - a. Put your name on top of test.
  - b. Circle your team designator.
  - c. Complete your test in pencil.
- (5) Missing a Test:
  - a. Authorized Absence: Inform me in advance. A make-up will be scheduled.
  - b. Unauthorized Absence: A test can be retaken but with a 20-point penalty.
- (6) Solutions to tests will be posted online after the test is graded.

### **FINAL EXAM (3 Hours - 30% of Grade):**

- (1) Final Exam will be similar to the exam for SM212 with adjustments to accommodate differences in the two courses.
- (2) Quantum Mechanics will not be tested on the final.
- (3) Do not schedule leave until you know when your finals end.
- (4) If you have an authorized reason for missing the final, you will receive an incomplete for the course. You are obligated to complete it at a later date.

### **THE 50/20 DEAL:**

- (1) If your score on the final is better than your test average, than the final will count for 50% of your grade and the tests will count for 20% of your grade.

### **GRADES: (89.5%-A, 79.5%-B, 69.5%-C, 59.5%-D, <59.5%-F)**

- (1) If the class average on tests/final is below 70. I will grade on a curve.
- (2) I DO NOT CURVE UNTIL THE END OF THE TERM!!
- (3) Grades are not posted online. You may see me anytime with questions about your grade.

### **USE OF CALCULATORS/COMPUTERS:**

- (1) You are expected to know how to use your TI200.
- (2) You may use calculators on tests (unless I direct otherwise).

### **EXTRA INSTRUCTION (EI):**

- (1) Peer-to-Peer: You will be set up in teams. Help each other out.
- (2) Make EI appointments with me via email.
- (3) MATLAB is manned 6 periods a day.

### **GENERAL:**

- (1) It is an honors violation to copy quizzes and tests from another. With regards to homework, you may work together and use online resources as necessary.
- (2) I reserve the right to alter this course policy if necessary. You will be given written revision in advance of policy changes. Policy changes will not be grandfathered.

**V.J. van Joolen**  
**CAPT, USN**