

Syllabus for VE 230: Electricity and Magnetism
Prof. Benjamin Yellen (Ben) benjamin.yellen@sjtu.edu.cn

Class Hours: Alternate Mondays 4:00-5:40pm (odd weeks only)
Tuesday and Thursday 2:00-3:40pm
Classroom: Dong Zhong Yuan, Room 2-103
Office: 3420-7936, JI Building Room 117
Office Hours: Tuesdays and Thursdays 3:40-4:40pm

Primary Text: **David Cheng “Field and Wave Electromagnetics”**

Teaching Assistants:

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Academic Integrity:

The UM-SJTU Joint Institute honor code fully applies to all the activities associated with VE230, including homework, quizzes, midterm and final exams. Any violation to the Honor Code will be reported to the UM-SJTU Joint Institute.

Grading Policy:

20% Homework and Quizzes (~10 assignments)

25% Exam I

25% Exam II

30% Final Exam

100% Total

Topics Covered:

- 1. Vector Calculus**
- 2. Electrostatics**
- 3. Magnetostatics**
- 4. Energy and Elementary Circuits**
- 5. Maxwell's Equations**
- 6. Plane Waves**

Exams:

Exam I. Thursday, June 13, 2013
Exam II. Thursday, July 18, 2013
Final Exam. Thursday, August 8, 2013

Unless otherwise notified by the instructor, the exams will be closed-book and closed-notes. Calculators are not allowed. Exams will be approximately 100 minutes.

Homeworks: Homework will be uploaded to Sakai on every Thursday. They are due one week later, unless otherwise notified by the instructor. Penalty for homework tardiness are as follows:

Late 1st day:	10%
Late 2nd day:	25%
Late 3rd day:	50%
Late 4th day:	0%

Students should complete the homework independently. Copied homework is not allowed and a violation to the Honor Code.