

## **Physics 3151, Fall 2011**

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Office hours (to answer HW questions): Tuesday 1-2pm

### **Grade make-up:**

- Homework, due every Friday (30%)
- 2 quizzes to be held on 9/23/11 and 10/26/11 (40%)
- final exam (30%)

### **Recommended textbook:**

"Mathematical Methods in the Physical Sciences" by Mary L. Boas, 3<sup>rd</sup> edition

### **Tentative Course outline:**

- Infinite Series (chapter 1 of Boas)
- Linear Algebra (chapters 3 of Boas)
- Vector Calculus and Tensor Analysis (chapters 6,10 of Boas)
- Fourier Analysis (chapter 7 of Boas)
- Differential Equations (chapters 8, 12, 13 of Boas)
- Complex Analysis (chapter 14 of Boas)

### **Note Taker Announcement:**

A student note taker is needed in this course to take notes for a student with a disability. The note taker will be paid a stipend for this assignment. Skills needed are the ability to take accurate, legible, and organized notes and a commitment to attend every lecture. If interested, please contact Karishma Patel or Tina Allen via email at [notetaker@vpss.gatech.edu](mailto:notetaker@vpss.gatech.edu) as soon as possible. Be sure to indicate the Professor's name, time, day and course number in the subject line of the announcement.