

**PHYSICS 184 – Fall 2002**  
**Physics for Scientists and Engineers II**  
**General Information**

- **Course Outline:** Electricity and magnetism, electromagnetic waves, geometric and wave optics.
  - **Lecturers:** Prof. Kirsten Tollefson  
Prof. Michael Thoennessen
  - **Lectures:** Monday, Tuesday, Wednesday, Friday  
4:10 - 5:00 pm, 1410 BPS
  - **Office Hours:** Wednesday 10:00 - 12:00 am, 3234 BPS (Prof. Tollefson)  
Fridays 1:00 - 3:00 pm, 220 Cyclotron (Prof. Thoennessen)  
or by appointment 5-9200 ext 2138 (Prof. Tollefson)  
or by appointment 5-9672 ext 323 (Prof. Thoennessen)
  - **Textbook:** 'Fundamentals of Physics' by Halliday, Resnick & Walker, 6<sup>th</sup> Edition, Wiley.
  - **Homework:** There will be 12 homework assignments, which are due on Wednesdays at 7:00 am. Students have the **OPTION** to use MSU's *CAPA* system on the internet. Otherwise solutions are due at the end of the previous Tuesday lecture.
  - **CAPA access:** *CAPA* can be accessed via the web: **<http://capa4.lite.msu.edu>**  
or via telnet: **telnet capa4.lite.msu.edu**
  - **Helproom:** There are numerous hours scheduled for student assistance in the Strosacker Learning Center in 1248 BPS, where students can get individual attention. For an up-to-date schedule check the course homepage.
  - **Online Discussion:** Help can also be obtained online via the "DISCUSS"-button on the *CAPA* page for each set. A TA will be online at times posted on the course homepage.
  - **Exams:** There will be several quizzes during lecture, three midterm exams (with optional 30% partial credit by corrections) and one final exam.
  - **Grades:** The final grade will be based on the homework (25%), quizzes (7%), exams (33%), and the final exam (37%). 2% of the quizzes are bonus points.
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|-------------------|------|------|------|------|------|------|------|------|
| Final Grade       | 4.0  | 3.5  | 3.0  | 2.5  | 2.0  | 1.5  | 1.0  | 0.0  |
| % of total points | ≥ 90 | ≥ 83 | ≥ 76 | ≥ 70 | ≥ 64 | ≥ 58 | ≥ 52 | < 52 |
- **Course Homepage:** Updated course information and policies can be found on the WWW at:  
**<http://www.pa.msu.edu/courses/PHY184>**