Syllabus for PHY492, Spring 2005

Lecturer: Prof. Carl Bromberg; E-mail: bromberg@pa.msu.edu; Office: Rm. 3225 BPS;
Phone: 5-9200 Ext. 2122; Office hrs: Tues. 9:30-12:00, anytime by appointment.

TA: Chip Fay; E-mail: fay@pa.msu.edu; Office: Rm. 3239 BPS, Phone: 59200, ext.2331.
See Chip for grading issues. Disputed grading is forwarded to me ONLY by Chip.

Lectures:
- Mon. and Wed., 9:00 - 10:10 pm, in room 323 Chemistry (see Course Schedule).
- Optional Seminar: bi-weekly, based on 5 lectures in streaming video by L. Lyons.

Required Textbooks:

Optional Text:

Course Topics:
- Course covers the topics shown in the Course Schedule (on the next page).
- Lectures may not cover all topics presented in the Reading Assignments. All topics, in the assigned reading or presented in lecture may appear on an exam.
- Lectures on Mon. and Wed. will be posted on the Course Web site by Fri of that week.

Tier II Writing Assignment
- No one should be surprised that you are required to write an 8-10 page technical paper (referenced) on a subject chosen from a list to be provided. Other subjects can be used if pre-approved by me. Suggestion: use Veltman’s book as a starting point.
- A 1 page detailed outline or draft of this paper will be due on Wednesday, March 23. Deadline for submission is April 27, the last class, and then I will be out of the country. Late submission will result in an Incomplete as your grade. No exceptions.

Homework (HW) and Exams:
- There will be 4 homework assignments with due dates as indicated in the Course Schedule. Homework handed in late will not be graded, but will be logged. All missing homework assignments must be submitted by the last class on April 27.
- Three, 60 minute exams will be given in class on the dates indicated in the Course Schedule. There is no final exam.
- Documented medical (or other) excuses for one exam will be considered on a case by case basis. Resolution may involve an oral exam.

Grades
- HW (2 points/problem. ~100 total points), 3 exams (100+20 points each). Straight scale. >300 points will get a 4.0, and cuts are 30 points lower for each 0.5 in grade.
- Frequently check the WEB site, http://www.pa.msu.edu/courses/PHY492, for announcements, paper topics, HW (hints) and exam solutions, scores and grades.

Miscellaneous
- No HEAD-phones, IPODs, CD-players, CELL-phones, or HATs in class.
### PHY492 Schedule
#### Spring 2005

<table>
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<tr>
<th>W</th>
<th>D</th>
<th>Date</th>
<th>L</th>
<th>Subjects</th>
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<th>MV</th>
<th>HW</th>
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<td>Jan. 10</td>
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