THEORETICAL CONDENSED MATTER PHYSICS

Physics 8821  Tu Th  Period 5  2:00-3:15pm  Room 254  Spring Semester 2007

Instructor  Prof. Michael Geller
Office: Room 251 Physics Building
Phone: 340-6021
Email: mgeller@uga.edu

Office Hours  After class or by appointment

Texts  Solid State Physics, by Ashcroft and Mermin (required)
       Quantum Theory of Many-Particle Systems, by Fetter and Walecka (recommended)

Grading
There will be one in-class midterm exam and an in-class final exam. Homework problems will be assigned, but not collected. Students will be graded on their in-class participation, including the asking and answering of questions, as well as on their solving assigned homework problems in front of class. Students will also give 30 minute lectures on a current topic in condensed matter physics.

Your final grade will be determined according to:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Midterm Score</td>
<td>30%</td>
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<tr>
<td>Final Exam Score</td>
<td>30%</td>
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<tr>
<td>In-Class Participation</td>
<td>20%</td>
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<tr>
<td>Presentation</td>
<td>20%</td>
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The grading scale is as follows (points rounded to the nearest integer):

- A 96 - 100%
- A- 91 - 95%
- B+ 86 - 90%
- B 81 - 85%
- B- 76 - 80%
- C+ 71 - 75%
- C 66 - 70%
- C- 61 - 65%
- D 50 - 60%
- F 0 - 49%

Excused Absences
It is recognized that students attending this course may be actively involved in research and effort will be made to accommodate students with research-related course conflicts.

Exam Schedule
Midterm  February 13  2:00-3:15pm  Room 254
Presentations  March 20 and 22  2:00-3:15pm  Room 254
Final  April 26  2:00-3:15pm  Room 254

All exams are closed book and closed notes.


**General Information**

You are responsible for attending every lecture. Each student is responsible for the material discussed in class and the announcements made in class. Absence from class does not relieve one of this responsibility.