Syllabus

Physics for Scientist and Engineers-II (PHYS 181, Section 002)
SPRING 2009

Instructor:
Dr. Reinhard Bruch, Professor of Physics
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Office hours: 10:45 AM – Noon, Tuesday and Thursday

Class Location and Times:
Schulich Lecture Hall, Room 3 (SLH 003)
9:30-10:45 AM, Tuesday and Thursday

Important Dates:
20 January, 2009      First Lecture
12 February, 2009     First Quiz (in class, closed book, multiple choices)
24 February, 2009     First Homework Assignment (Due after 1 week)
3 March, 2009         First Test (in class, closed book, both multiple choices and long questions as well as some extra credit problems)
12 March, 2009        Second Quiz (in class, closed book, multiple choices)
26 March, 2009        Second Homework Assignment (Due after 1 week)
7 April, 2009         Second Test (in class, closed book, both multiple choices and long questions as well as some extra credit problems)
28 April 2009         Third Quiz (in class, closed book, multiple choices)
5 May, 2009           Last Lecture
8 May, 2009           Final Examination (closed book, both multiple choices and long questions as well as some extra credit problems) (7:30-9:30 AM, SLH 003)

Textbook:
ISBN-10: 0-495-11245-3

Course Webpage:
http://wolfweb.unr.edu/homepage/bruch/phys181/phys181.htm

Class presentations, assigned homework and sample questions for quizzes and tests will be posted in the course webpage. Please check the webpage regularly.
Course Description (Chapters 23-38 of the Textbook)

Part 4: Electricity and Magnetism

Part 5: Light and Optics

Final Grade Calculations:

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<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>2 Home works</td>
<td>20% (10% each)</td>
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<tr>
<td>3 Quizzes</td>
<td>15% (5% each)</td>
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<tr>
<td>2 Tests</td>
<td>40% (20% each)</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
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Total - 100%

Extra Credit (maximum 10% of total grade):
Extra Credit can be earned during the class via intelligent questions and contributions as well as through extra essays (worth maximum 2% each) and short presentations (worth maximum 5% each). Essays and presentations in the area of micro and nano technology, bio physics, material science, environmental science, renewal and green energy, medical physics and interdisciplinary areas are encouraged.

Grade %:

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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>A</td>
<td>&gt; 85%</td>
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<tr>
<td>A-</td>
<td>81-85%</td>
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<tr>
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<td>75-80.9%</td>
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<td>70-74.9%</td>
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<tr>
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<td>65-69.9%</td>
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<td>C-</td>
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<td>F</td>
<td>&lt; 50</td>
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