ECE 341 – Electromagnetic Fields & Devices I.

Fall 2014

COURSE SYLLABUS
(1) Course Details:
Instructor: Mario Marconi, Professor, Eng C103G, Phone: (970) 491-8299
E-mail: marconi@engr.colostate.edu
Class Meetings: TR 12.30 pm-12.30 pm, Wagar 231
Office Hours: TR 9.00-11.00 am or by appointment

Class Web page: http://www.engr.colostate.edu/ECE341/course_info.shtml

(2) Course Description:
• Concepts: Vectors and fields. Vector analysis, Electric and Magnetic Fields, Maxwell’s equations in differential form and boundary conditions, Potential functions and energy storage, Capacitance, conductance and inductance, Magnetic circuits, Uniform plane waves and power flow in an EM field

(3) Grading:
• Homework (10%)
• Exam 1 (20%)
• Exam 2 (20%)
• Quizzes (20%)
• Final Exam (30%)

(4) Exams:
First Exam: Tuesday October 14
Second Exam: Thursday November 20
Final: Check in CSU schedule
All exams are closed book, closed notes. No calculators are allowed. One sheet with formulas (prepared by the student) is allowed per each partial exam, and two sheets for the final exam.

(5) Homework:
• Homework will be assigned during the semester. Homework assignments and its solutions will be posted on the course website
• Each homework will be due at the indicated date in class. Late homework is not allowed and will not be collected.
• Graded homework will be available from the TA during his office hours.
(6) Miscellaneous information

- A passing grade in the class requires that the average for the four exams be a passing grade (over 55%) **AND** a grade in each individual exam over 40%
- The homeworks will be assigned periodically
- There will be a quiz after each main topic is completed

(8) Grading scale

The following grading scale will be applied.

*Grading scale:*

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<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
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<tbody>
<tr>
<td>A+</td>
<td>95-100</td>
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<td>A</td>
<td>90-94</td>
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<tr>
<td>A-</td>
<td>85-89</td>
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<td>B+</td>
<td>80-84</td>
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