department of ELECTRICAL Engineering

wrap-up session

Fall 2010

Course: EE315/ECE451 Course name: Nanoelectronics I

Instructor: Ryan Munden

High points of the course (“successes”):

Pedagogy: Lecture, and discussion

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Homework: Text assignments from each chapter, weekly. Generally reinforced the chapter material. Nearly all students completed assignments on time.

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Exams and Projects: 2 exams, 1 team research project. Research project was a good experience for most students.

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Student Attendance and Performance: Nearly all students attended and participated fully. As an elective course, most students were motivated.

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Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Problems encountered:

Textbook: Fundamentals of Nanoelectronics by . The text was adequate, but there may be a better one available. I will continue to search for the best text in future courses.

Assignments: No solution set for the text, made it challenging to help students quickly, as each problem had to be worked out and verified by hand.

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Instruction method: Would have preferred to have some demos or labs in nano sequence.

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Course prerequisites: EG210/EG210 seemed to be adequate, though all students also had a sufficient background in mathematics, such as differential equations.

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Student feedback: Most students seemed happy with the course. Desire for labs was main comment.

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Student Performance: All students performed well, except Franklin Barahona.

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Grade distribution: currently 7-A, 1-B, 1-C, 1-F

Action steps

Course Portfolio: Needs to be prepared. Copies of course work were maintained.

Change course prerequisites? NO Comments\*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Change course content? Maybe Comments\* Could include more specific material on nanoscale materials and fabrication. Course is heavy in solid state physics due to text.

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Change course objectives and/or outcomes? No Comments\* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Recommendations for further improvement\* Labs \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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instructional environment

Please comment on any problems that were encountered because of inadequacies in the classroom environment, lack of supplies, and inadequate service from staff: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Standard classroom is sufficient. No problems.

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Were the problems brought to the attention of the Dean’s office? N/A

Were the problems corrected in a timely fashion? N/A

\*Use an additional sheet if necessary