Examination Feedback for EEE6395 Compound Semiconductor Device Manufacture
Spring Semester 2013-14

Feedback for EEE6395 Session: 2013-2014

Feedback: Please write simple statements about how well students addressed the exam paper in general and each individual question in particular including common problems/mistakes and areas of concern in the boxes provided below. Increase row height if necessary.

General Comments:

Question 1:

Generally fairly poor growth essays. Perhaps as a result of bringing forward the growth practical to semester one (as per previous student feedback) and shifting the essay hand in date to the start of the second semester in the expectation students would complete this at the end of the first semester while it was fresh in the mind, and not wait until the start of the second semester, as typically happened. Typically, students failed to provide sufficient detail regarding the latest issues and research in the growth of material for a specific example material system and growth technique, despite some of the growth descriptions being very good. There were a lot of cut and pasted pictures, and references from Wikipedia are never well received!

Question 2:

Generally fairly good attempts. However, detail was lacking in a number of process documents (e.g. etch depths, linked to layer structure), and some didn't take safety into account adequately, or cover process tolerances.

Question 3:

Some of the conclusions were very weak, and discussion did not adequately make comparisons (between samples for solar cells and with literature for lasers). Be careful with the legibility of graphs. I don't know why nobody normalised the PC response to GaAs to draw out comparisons between the 3 solar cell samples. Some introductions were a bit waffly and did not adequately outline the experiment performed.

Question 4:

Presentations were of very mixed quality. It was clear that some were given prior to full analysis of the data, but most made a good attempt at introducing the work, the samples and some of the results.

Question 5:

Attendance was very good throughout.