Examination Feedback for EEE6140 – Machine design
Spring Semester 2006-07

# Feedback for EEE6140 Session:2006-2007

**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:**

Overall the students performed very well in this examination. Very few students selected question 3 (it seems the students do not like 'winding') and in fact they answered very well, while almost all students selected the question 4 (since it seems very simple) but performed badly.

**Question 1**:

All students selected this question. Overall, the students answered this question very well. However, some students did not give the derivation of the torque equation, whilst some others did not calculate the acceleration correctly. This affected the subsequent calculation.

**Question 2**:

Many students also selected to answer this question and performed very well.

**Question 3**:

It is surprising that very few BEng students selected this question although the majority of MEng students selected this question. Actually this question is relatively simple and those answering this question did very well.

**Question 4**:

This question looks simple and hence almost all students selected this question but the average mark is extremely low. The major issue which should be considered is that the conductors are uniformly distributed over the 'T' shaped section. The number of turns which is used in the flux linkage calculation should consider this. However the majority students did not consider this. Instead, they simply used the formulae given in the lectures.