

# Department of Electronic and Electrical Engineering

## 2<sup>nd</sup> year, Semester 1 Questionnaire 2010/2011

Dear Student,

Once again, it is the time to solicit your views on the teaching quality of this Department, and the general support and services provided by the University in semester 1, 2010/2011 academic year.

As you know, the questionnaire is a vital part of our quality control so it is important to us that you complete this questionnaire and return it to the Departmental Office **as soon as possible and in any case no later than Friday 17<sup>th</sup> December 2010**.

Without your individual feedback and a good response rate from the year, we have no systematic way of quantifying the overall quality of our teaching, coursework and general support and services we aim to provide. Hence we have no overall student views of what improvements or changes are necessary. **Although you will not benefit personally from actions we might take to deal with issues that you raise about semester 1, you have benefitted from the feedback provided by your predecessors and your successors will benefit from your engagement with the questionnaire.**

If you do not have any particular issue on which you would like to comment, you could simply complete the numerical sections of the questionnaire - that information is extremely useful. Questions 8 and 9 on the first page have been requested by the Faculty.

In order to ensure that your replies are totally anonymous, **please remove the cover sheet before you return your questionnaire.**

Thanks in advance for taking the trouble to complete the questionnaire.

Richard Tozer

PLEASE RETURN YOUR COMPLETED QUESTIONNAIRE  
TO THE DEPARTMENTAL OFFICE (ROOM E133) BY THE  
END OF WEEK 12

## Lecture Courses Year 2 Semester 1 (2010-2011)

Complete the top table by inserting for each individual course the number which best corresponds to your response to questions 1-9 in the bottom table. Include additional comments for each course if you wish. (Omit any courses not on your syllabus.)

Course	Course Title	Lecturer	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Additional comments/Good Points/Suggestions for improvement
EEE201	Signals and Systems	Dr. C.H. Tan										
EEE204	Electronic Devices in Circuits	Dr. R.C. Tozer										
EEE220	Electric & Magnetic Fields	Dr. J. Kelly										
EEE221	Organisational Behaviour and Team Management.	Mr. D. Kitchen Mr. P.L. Judd										
MAS242	Maths III	Prof L. Wyatt										
EEE105	Electronic Devices (for some DSEs)	Dr. R.A. Hogg										

<b>Q1. How much of the material (factual, conceptual, technical) was new to you?</b>	Nearly All <b>5</b>	Most <b>4</b>	About Half <b>3</b>	Some <b>2</b>	Little <b>1</b>
<b>Q2. Assess the difficulty of the material overall</b>	Very difficult <b>5</b>	Difficult <b>4</b>	About right <b>3</b>	Fairly easy <b>2</b>	Easy <b>1</b>
<b>Q3. Assess the amount of material presented</b>	Far too much <b>5</b>	Too much <b>4</b>	About right <b>3</b>	Too little <b>2</b>	Far too little <b>1</b>
<b>Q4. Quality of explanation?</b>	Very good <b>5</b>	Good <b>4</b>	O.K <b>3</b>	Poor <b>2</b>	Very poor <b>1</b>
<b>Q5. Quality of presentation (e.g. volume, diction, legibility of writing etc.)?</b>	Very good <b>5</b>	Good <b>4</b>	O.K <b>3</b>	Poor <b>2</b>	Very poor <b>1</b>
<b>Q6. Quality of tutorial sheets and answers?</b>	Very good <b>5</b>	Good <b>4</b>	O.K <b>3</b>	Poor <b>2</b>	Very poor <b>1</b>
<b>Q7. Achievement of Aims (The principal aims of each course are listed on the next page)</b>	Completely achieved <b>5</b>	Almost completely achieved <b>4</b>	Adequately achieved <b>3</b>	Partly achieved <b>2</b>	Not achieved at all <b>1</b>
<b>Q8. Please rate your overall satisfaction with this module</b>	Very satisfied <b>5</b>	Well satisfied <b>4</b>	Just satisfied <b>3</b>	Slightly unsatisfied <b>2</b>	Very Unsatisfied <b>1</b>
<b>Q9. Please rate the effectiveness of the lecturer</b>	Very effective <b>5</b>	Quite Effective <b>4</b>	Marginally effective <b>3</b>	Slightly ineffective <b>2</b>	Very ineffective <b>1</b>

# Course Aims

## **EEE 201 - Signals and Systems**

1. To provide the necessary mathematical background for signal and systems analysis, signal processing and communications
2. To complement this mathematical background with appropriate examples taken from electronic and electrical engineering

## **EEE204 Electronic Devices in Circuits**

1. To equip students with the basic ideas necessary for the interpretation of frequency dependent op-amp based linear circuitry
2. To show how op-amp defects, such as offsets and bandwidth limits can be modelled and their effects quantified
3. To provide a solid introduction to the effects of electronic noise in circuits and how circuit design can affect noise performance
4. To introduce the idea of synthesising circuits to achieve specified transfer functions in the context of active filters
5. To introduce power amplifiers and deal with issues of power dissipation in electronic circuits and heat removal

## **EEE220 – Electric & Magnetic Fields**

1. Introduction to the physics of electric and magnetic fields.
2. Application and use of fields in electronic and electrical engineering.
3. Development of analytic methods of calculating fields and related quantities.

## **EEE221 – Human Resource Management**

This course is essentially how groups form and work or fail to work successfully. The aim is that course participants learn to observe what is happening within groups so that they can facilitate the functional operation of the group. Following an initial 2 day workshop to introduce the issues, the work will be undertaken in the context of an industrial project. This will involve an industrial visit and both an oral presentation and written report on the project. Assessment will be based on each students contribution to these presentations, their overall contribution to the group, and on a written assignment.

## **MAS242 - Mathematics III**

1. To provide a sound mathematical foundation in complex variables, integration and transforms.
2. To specifically provide the necessary mathematical background for the analysis of systems with feedback.
3. To complement this mathematical background with appropriate examples in electronic and electrical engineering.

# Laboratory Experiments

Complete the top table by inserting for each individual experiment the number which best corresponds to your response to each question below.

Experiment	Q1	Q2	Q3	Q4	Q5	Q6	Additional Comments
Amplifiers							
Microprocessors							
AC Machines							
Transmission Lines							
Semiconductors (Schottky Diode)							
MATLAB (Signals and Systems)							

<b>Q1 How would you describe the overall structure of the experiment</b>	Very well structured and logical throughout <b>5</b>	Logical <b>4</b>	Adequate <b>3</b>	Unstructured <b>2</b>	Chaotic <b>1</b>
<b>Q2 Assistance from postgraduate demonstrators</b>	Very helpful, enthusiastic <b>5</b>	Very helpful <b>4</b>	Fairly helpful <b>3</b>	Willing but not very helpful <b>2</b>	Not interested and not very helpful <b>1</b>
<b>Q3 Quality of documentation provided</b>	Very clear and useful for future reference <b>5</b>	Clear, but not much theory for reference <b>4</b>	Adequate for reasonable progress <b>3</b>	Not well structured <b>2</b>	Confusing with several ambiguities <b>1</b>
<b>Q4 Did you understand the experiment as you were going through it?</b>	Almost complete understanding <b>5</b>	Good understanding <b>4</b>	Reasonable understanding of most sections <b>3</b>	Rough idea of what was going on <b>2</b>	No idea of what was going on <b>1</b>
<b>Q5 How much did you learn from the experiment?</b>	Much more than existing knowledge <b>5</b>	Some new concepts <b>4</b>	Re-enforced existing knowledge <b>3</b>	Little <b>2</b>	Nothing <b>1</b>
<b>Q6 The lab increased my experimental skills.</b>	Agree strongly <b>5</b>	Somewhat agree <b>4</b>	Neutral <b>3</b>	Somewhat disagree <b>2</b>	Disagree strongly <b>1</b>

# Coursework

**Any comments on facilities, equipment, organisation etc.?**

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## Large Group Tutorials ( Problem Classes)

**Any tutorials which you found particularly good and why?**

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**Any particular tutorials or rooms which caused problems?**

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## Small Group Tutorials

**Q1. How often did you have tutorials ?**

Every 2 weeks as timetabled	Largely as timetabled but with occasional rearrangements	Largely as timetabled but with occasional cancellations	Many cancelled tutorials – not rearranged

# SHIPS

**1. How would you assess the project which you were allocated ? (tick one)**

Very interesting	Interesting	Reasonably interesting	Fairly tedious	Very tedious

**2. How would you assess the level of interest from the company? (tick one)**

Very enthusiastic	Enthusiastic	Reasonably interested	Not particularly interested	Not at all interested

**3 How would you assess the contribution of your tutor to the project? (tick one)**

Excellent	Good	Adequate	Poor	Very poor

**4. How would you assess the benefits gained from SHIPS? ( tick one)**

Very worthwhile, learnt a lot	Worthwhile, learnt a fair bit	Reasonably useful, learnt a few things	Not particularly worthwhile	Complete waste of time

**5. How would you assess the presentation day, particularly the experience gained in giving a presentation ? ( tick one)**

Extremely useful	Useful	Reasonably useful	Not particularly useful	Not at all useful

**Any suggestions for improvements or general comments on SHIPS?**

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# General Issues

**1. Have you used the University's Computer network this semester?**

Yes	No

**If yes, how would you assess the availability of computers ? ( tick one)**

Easy access at all times	Daytime / out of hours access reasonable, occasional wait	Daytime access difficult, out of hours access OK	Very difficult to get access, even out of hours	Almost impossible to get access

**Any comments on the computers or the service provided by the University's Computer network?**

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**2. Do you have use of your own computer at Sheffield?**

Yes	No

**Do you use the VPN (Virtual Private Network) system to connect your computer to the University network?**

Yes	No

**3. Any comments on the library services, such as availability and relevance of text books, journals, etc. and library staff support ?**

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**4. Any comments on other services provided by the University, such as Student Services, Careers, Student Health, etc.?**

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**5. Any comments on the support provided by the Department, such as Student Office, Stores, etc.?**

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**6. Any comments on issues not covered in the questionnaire ?**

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