

**FACULTY OF SCIENCE, TECHNOLOGY AND ENGINEERING  
QUALITY ASSURANCE OF UNITS**

**Report by Unit Co-ordinator**

<b>Unit code: ELE3PRO</b>	<b>Year: 3</b>	<b>Campus: Bundoora</b>
<b>Unit coordinator: Darrell Elton</b>		
<b>Teaching staff: Darrell Elton and Arun Borgio</b>		

**SECTION A: NUMERICAL INFORMATION**

Number enrolled: 43

Number completing the QAU questionnaire: 27

Grade distribution :            A:13    B:14    C:9    D:3    E:0    N: 1    NS:2

Other (Please list): SAH-A:1

**SECTION B: STUDENT RESPONSES TO THE QUESTIONNAIRE**

(a) Please complete the following table (with previous year's results if available)

Core Questions	Current mean	Last year's mean
a	3.5	n/a#
b	3.9	n/a#
c	4.1	n/a#
d	3.5	n/a#
e	4.1	n/a#
f	4.0	n/a#
g	2.8	n/a#
1	4.2	n/a#
2	3.8	n/a#
3	3.6	n/a#
4	3.9	n/a#
5	4.1	n/a#
6	4.0	n/a#
7	4.0	n/a#
8	3.3	n/a#
9	3.8	n/a#
10	4.0	n/a#
11	3.8	n/a#

# Only 8 surveys were collected last year therefore no statistics are available.

**(b) Summary of student comments on best aspects**

There were 16 responses to this question. These responses could be summarised as:

- 1) Designing and marking something practical.
- 2) Practical skills such as circuit layout and soldering.
- 3) Dedication/enthusiasm of the lecturer.
- 4) Problem solving
- 5) No exam

**(c) Summary of student comments on needed improvements**

There were 18 responses to this question. These responses could be summarised as:

- 1) Not enough time, especially for construction, debugging and programming.
- 2) More consultation time.
- 3) Components made available earlier.
- 4) Better Altium tutorial.
- 5) More laboratory and equipment access.

## **SECTION C: UNIT COORDINATOR'S COMMENTS**

### **(d) Last year's suggested improvements**

Parts will be ordered earlier. The overall format worked well and with minor refinement will be used again next year.

### **(e) Unit coordinator's comments on the unit this year**

Parts were not ordered early enough. Students struggled with the schematic capture and layout package Altium. Many students had problems with the rudimentary C code programming required.

### **(f) Unit coordinator's suggestions for improvements next year**

Parts will be ordered in first semester. These parts will be allocated to students in kit form. The circuit schematics will be available in week 2. The time line for the project will be adjusted such that 2 additional weeks will be given to construction, debugging and programming. Earlier laboratory access will be granted to students. Laboratories equipped with computers and hardware tools (scopes, power supplies and signal generators) would be ideal.

**SECTION D: COMMENTS BY HEAD OF SCHOOL OR NOMINEE**

An excellent unit for students to learn skills for 4<sup>th</sup> year project and management. Overwork due to AutoCRC commitments meant not as much time was available to the staff member to do as thorough a job as usual in preparation. Will be better in 2009.

**Signed**

**(Head of School)**

**Date: 6 March 2009**