

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

Report by Unit Co-ordinator

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|--------------------------------------|-------------------|-------------------------|
| Unit code: ELE4ASP | Year: 2008 | Campus: Bundoora |
| Unit coordinator: Dennis Deng | | |
| Teaching staff: Dennis Deng | | |

SECTION A: NUMERICAL INFORMATION

Number enrolled: 35

Number completing the QAU questionnaire: 21

Grade distribution : A: 15 B: 11 C: 5 D: 2 E: N: NS: 1

Other (Please list): SHA-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 |
|--|--------------|------------------|
| Q. 7 My teaching staff were extremely good at explaining Things | 4.1 | 3.5 |
| Q.9 The teaching staff worked hard to make this unit Interesting | 4.2 | 3.6 |
| Overall, I was satisfied with the quality of this unit | 4.1 | 3.6 |

(QAU QUESTIONS TO BE INCLUDED HERE)

(b) Summary of student comments on best aspects (verbatim copies)

1. Deep knowledge about ASP
2. Good teaching staff & labs equipped with Matlab Prog. Helped in gain command the language.
3. Very interesting topics.
4. Very interesting topics-never bored with content
5. DPCM project very good, very helpful with matlab practice and problem solving/analytical skills.
6. Project
7. The practical application in the labs.
8. Very good-very good course-dennis is clear in his explanations and examples

(c) Summary of student comments on needed improvements (verbatim copies)

1. Assignments and lab reports not to be submitted at one day in order to reduce the burden.
2. It would be good to actually implement some of this stuff in a DSP processor.
3. The project needs to be explained a little more, had a few issues with it.
4. Way too much work for one subject. Either: (1) have no exam, and make assessment on the written work, (2) reduce to one assignment one project and one lab.
5. More classes and lectures on how to do Matlab fundamentals.
6. Cover more examples in lectures.
7. Maybe DSP chip programming for one lab?
8. None
9. Workloads of the labs were under estimated, so all the students had to spend extra time on it.

SECTION C: UNIT COORDINATOR'S COMMENTS

(d) Last year's suggested improvements

Find a fine balance between the depth and breath of the contents of the unit.

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

In general, students are very positive about their learning experience. This unit is a specialized elective unit for 4th year and 5th year students. The size of the class is bigger than last year indicating that more students wanted to learn. I am very happy with the results

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

One student complained about the work load. However, there are more students demanding more practices. I do not think it is a good idea to reduce to the work load.

One student wanted to do a lab on DSP processor programming. I have a project involving DSP processors and programming in C and assembly. Students can choose this project.

Since we have a new ELE5PRA unit which teaches the fundamentals of Matlab programming, there will be less students without Matlab skills next year.

I would like to continue to rewrite my lecture notes. I have been doing this for past 10 years.

SECTION D: COMMENTS BY HEAD OF SCHOOL OR NOMINEE

An excellent course by any standard, and the students recognise this even though they complain of the workload. I acknowledge the lecturer's comments on maintaining the standards.

Signed

(Head of School)

Date