

Proposal to Revise a Program

- 3648 Bachelor of Engineering in Software Engineering**
- 3651 Bachelor of Engineering in Software Engineering
Bachelor of Science**
- 3652 Bachelor of Engineering in Software Engineering
Bachelor of Arts**
- 3653 Bachelor of Engineering in Software Engineering
Bachelor of Commerce**
- 3749 Bachelor of Engineering in Software Engineering
Master of Biomedical Engineering**

1. MAIN FEATURES OF PROPOSAL

1.1 Program name **Bachelor of Engineering in Software Engineering**

1.2 Abbreviation **BE Software Engineering**

1.3 Program code **3648/3651/3652/3653/3749**

1.4 Staff Contact **Ken Robinson 9385 4045/k.robinson@unsw.edu.au**

1.5 Program Authority

School: School of Computer Science & Engineering Faculty: Engineering AOU code: E250

1.6 Proposed Revision Summary Checklist

- To accommodate course changes and deletions

1.7 Authorisation

Has this proposal received endorsement from the **University Librarian** YES/NO

Has this proposal received endorsement from the **Registrar's Nominee** YES/NO

Has this proposal received approval from the **Dean** YES/NO

1.8 Consultation Process

Have other interested parties, including other academic units, students and visiting committees, been consulted on the proposed revision? YES/NO

The School Teaching Committee have discussed and approved the proposal.

1.9 Planning Office

Does this proposal fit in with your Faculty's enrolment profile? Yes

Has the Planning Office been informed if the enrolment profile will be altered by the proposal? NA

1.10 Units of credit

Does the proposed revision to the University's policy on units of credit? Yes

1.11 General Education program

Does the proposed revision conform to the University's policy on General Education? Yes

2. PROGRAM DETAILS

2.1 Current Enrolment and EFTSU

The following table needs to be updated

Stage	Enrolment					EFTSU
	3648	3651	3652	3653	3749	
Stage 1	??	??	??	??	??	??
Stage 2	??	??	??	??	??	??
Stage 3	39	7	7	2	5	48
Stage 4	56	13	9	12	5	76
Stage 5		??	??	??	??	??

2.2 Proposed Program Entry in Faculty Handbook

2.2.1 3648 BE Software Engineering

UAC code: 425014
 Program code: 3648
 Plan: SENGA13648

Stage 1

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
COMP1911 COMP1917	Computing 1 <i>or</i> Higher Computing 1	6	6	
MATH1131 MATH1141	Mathematics 1A <i>or</i> Higher Mathematics 1A	6	6	
MATH1081	Discrete Mathematics	6	6	
INFS1603	Business Data Management	3	6	
SENG1031	Software Engineering Workshop 1	4		6
MATH1231 MATH1241	Mathematics 1B <i>or</i> Higher Mathematics 1B	6		6
COMP1921 COMP1927	Data Structures & Algorithms <i>or</i> Higher Data Structures & Algorithms	6		6
	<i>Stage 1 free elective</i>		6	
Total			24	24

Stage 2

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG2010	Software Engineering Workshop 2A	2	3	
SENG2020	Software Engineering Workshop 2B	2		3
COMP2111	System Modelling and Design	6	6	
COMP2911	Engineering Design	6	6	
COMP2121	Microprocessors and Interfacing	6	6	
COMP3711	Project Management	4		6
INFS2603	System Analysis & Design	3	6	
MATH2859	Probability, Statistics and Information	3	3	
	<i>General Education</i>		3	
	<i>Stage 2 free elective</i>		6	
Total			24	24

Stage 3

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG3010	Software Engineering Workshop 3A	2	3	
SENG3020	Software Engineering Workshop 3B	2		3
COMP3141	Software System Design & Implementation	5	6	
COMP3331 INFS2607	Computer Networks and Applications <i>or</i> Business Data Networks	6	6	
	<i>SE Electives</i>		21	
	<i>General Education</i>		9	
Total			24	24

Stage 4

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	Industrial Training			
SENG4910	Thesis part A		6	
SENG4911	Thesis part B			12
SENG4921	Professional Issues and Ethics	6	6	
	<i>SE Electives</i>			24
Total			24	24

Notes

1. The above staging of the program represents one possible sequence of courses. The staging of the courses may be modified, subject to prerequisites and timetabling.

2.2.2 3651 BE Software Engineering BSc

UAC code: 425014
 Program code: 3651
 Plan: SENGA13651

The BE Software Engineering BSc combined program requires the completion of at least 84uoc of Science courses, and must contain a major sequence of 42uoc at stages 2 and 3, with at least 18uoc at stage 3 in a single Science discipline.

To satisfy the requirement of the combined program, the free electives and the General Education electives of the standard Software Engineering program are assigned to Science electives. The Science content of the generic combined program consists of:

- 18uoc of Mathematics in stages 1 and 2;
- 6uoc of Science electives in stage 1;
- 12uoc of Science electives in stage 2;
- an extra stage of 48uoc of Science.

This yields the required total of 84uoc of Science. Combined Programs are exempt from the General Education requirement.

There is an extra 6uoc that can be assigned to level 3 Science or SE electives, giving a possible 90uoc of Science or 54uoc of SE electives.

The major Science discipline may not be Computer Science.

Stage 1

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
COMP1911 COMP1917	Computing 1 <i>or</i> Higher Computing 1	6	6	
MATH1131 MATH1141	Mathematics 1A <i>or</i> Higher Mathematics 1A	6	6	
MATH1081	Discrete Mathematics	6	6	
INFS1603	Business Data Management	3	6	
SENG1031	Software Engineering Workshop 1	6	6	
MATH1231 MATH1241	Mathematics 1B <i>or</i> Higher Mathematics 1B	6	6	
COMP1921 COMP1927	Data Structures & Algorithms <i>or</i> Higher Data Structures & Algorithms	6		6
	Level 1 Science electives		6	
Total			24	24

Stage 2

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG2010	Software Engineering Workshop 2A	2	3	
SENG2020	Software Engineering Workshop 2B	2		3
COMP2111	System Modelling and Design	6	6	
COMP2911	Engineering Design	6	6	
COMP2121	Microprocessors and Interfacing	6	6	
COMP3711	Project Management	3		6
INFS2603	System Analysis & Design	3	6	
MATH2859	Probability, Statistics and Information	3		3
	Level 2 Science electives		9	
Total			24	24

Stage 3

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG3010	Software Engineering Workshop 3A	2	3	
SENG3020	Software Engineering Workshop 3B	2		3
COMP3141	Software System Design & Implementation	5	6	
COMP3331 INFS2607	Computer Networks and Applications <i>or</i> Business Data Networks	6	6	
	<i>SE Electives</i>		21	
	Stage 2 Science electives		9	
Total			24	24

Stage 4

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	Level 2 or 3 Science electives		30	
	Level 3 Science electives <i>or</i> <i>SE Electives</i>		6	
	Level 3 Science electives		12	
Total			24	24

Stage 5

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	Industrial Training			
SENG4910	Thesis part A		6	
SENG4911	Thesis part B			12
SENG4921	Professional Issues and Ethics	6	6	
	<i>SE Electives</i>		24	
Total			24	24

Notes

1. To satisfy prerequisites it may be necessary to use a different arrangement of courses than shown above.

2. The above staging of the program represents one possible sequence of courses. The staging of the courses may be modified, subject to prerequisites and timetabling.

2.2.3 3652 BE Software Engineering BA

UAC code: 425014
 Program code: 3652
 Plan: SENGA13652

The BE Software Engineering BA combined program requires the completion of at least 60uoc of Arts courses, and must contain a major sequence of 42uoc at stages 2 and 3 in a single Arts discipline.

The major Arts discipline may not be Computer Science.

The stages of a generic combined program are shown below. In general, it will be necessary to adapt the program by moving courses to meet the requirements of particular Arts majors. This generic program accommodates 72uoc of Arts electives.

All programs should be approved by the Faculty of Arts and Social Science.

Stage 1

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
COMP1911 COMP1917	Computing 1 <i>or</i> Higher Computing 1	6	6	
MATH1131 MATH1141	Mathematics 1A Higher Mathematics 1A	6	6	
MATH1081	Discrete Mathematics	6	6	
INFS1603	Business Data Management	3	6	
SENG1031	Software Engineering Workshop 1	4		6
MATH1231 MATH1241	Mathematics 1B <i>or</i> Higher Mathematics 1B	6	6	
COMP1921 COMP1927	Data Structures & Algorithms Higher Data Structures & Algorithms	6		6
	Stage 1 Arts electives		6	
Total			24	24

Stage 2

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG2010	Software Engineering Workshop 2A	2	3	
SENG2020	Software Engineering Workshop 2B	2		3
COMP2111	System Modelling and Design	6	6	
COMP2911	Engineering Design	6	6	
COMP2121	Microprocessors and Interfacing	6	6	
COMP3711	Project Management	3		6
INFS2603	System Analysis & Design	3	6	
MATH2859	Probability, Statistics and Information	3	3	
	Stage 2 Arts electives		12	
Total			24	24

Stage 3

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG3010	Software Engineering Workshop 3A	2	3	
SENG3020	Software Engineering Workshop 3B	2		3
COMP3141	Software System Design & Implementation	5	6	
COMP3331 INFS2607	Computer Networks and Applications <i>or</i> Business Data Networks	6	6	
	<i>SE Electives</i>			15
	<i>Stage 2 Arts electives</i>			12
Total			24	24

Stage 4

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	SE Electives		6	
	<i>Arts electives</i>		30	
	<i>Stage 3 Arts electives or SE Electives</i>		12	
Total			24	24

Stage 5

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	Industrial Training			
SENG4910	Thesis part A		6	
SENG4911	Thesis part B			12
SENG4921	Professional Issues and Ethics		6	
	<i>SE Electives</i>			24
Total			24	24

Notes

1. To satisfy prerequisites it may be necessary to use a different arrangement of courses than shown above.
2. To accommodate particular sequences of Arts electives it may be necessary to change the distribution of SE electives between stages 3, 4 and 5.
3. The above staging of the program represents one possible sequence of courses. The staging of the courses may be modified, subject to prerequisites and timetabling.

2.2.4 3653 BE Software Engineering BCom

UAC code: 425028
 Program code: 3653
 Plan: SENGA13653

The BE Software Engineering BCom combined program requires the following:

- at least 96uoc from the courses offered by the Faculty of Commerce and Economics (FCE), including ACCT1501, ACCT1511, ECON1101, ECON1102; and,
- completion of a major of at least 48uoc in an FCE approved disciplinary stream and a minor of 24uoc in INFS courses of which no more than 12uoc may be Level 1 courses;
- no more that 60uoc of level 1 FCE courses;
- 6uoc of first year mathematics courses as required for the Software Engineering program and at least 6uoc in statistics and mathematics chosen from ECON1203, MATH1041, MATH1141, MATH1081, MATH2400, MATH2859, MATH2801, MATH2901, MATH2841, or alternative statistics and mathematics courses approved by the program advisor.

The stages of a generic combined program are shown below. In general, it will be necessary to adapt the program by undertaking courses to meet the requirements of particular Commerce majors. This generic program accommodates 96uoc of courses from the FCE.

All programs should be approved by the Faculty of Commerce and Economics

Stage 1

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
COMP1911 COMP1917	Computing 1 <i>or</i> Higher Computing 1	6	6	
MATH1131 MATH1141	Mathematics 1A <i>or</i> Higher Mathematics 1A	6	6	
MATH1081	Discrete Mathematics	6	6	
INFS1603	Business Data Management	3		6
SENG1031	Software Engineering Workshop 1	4		6
MATH1231 MATH1241	Mathematics 1B <i>or</i> Higher Mathematics 1B	6	6	
COMP1921 COMP1927	Data Structures & Algorithms <i>or</i> Higher Data Structures & Algorithms	6		6
ACCT1501	Accounting and Financial Management 1A	3		6
Total			24	24

Stage 2

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG2010	Software Engineering Workshop 2A	2	3	
SENG2020	Software Engineering Workshop 2B	2		3
COMP2111	System Modelling and Design	2	6	
COMP2911	Engineering Design	6	6	
COMP2121	Microprocessors and Interfacing	6	6	
COMP3711	Project Management	3		6
INFS2603	System Analysis & Design	3	6	
ECON1101	Microeconomics 1	3	6	
ACCT1511	Accounting and Financial Management 1B	3	6	
Total			24	24

Stage 3

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG3010	Software Engineering Workshop 3A	2	3	
SENG3020	Software Engineering Workshop 3B	2		3
COMP3141	Software System Design & Implementation	5	6	
COMP3331	Computer Networks and Applications <i>or</i>	6	6	
INFS2607	Business Data Networks			
MATH2859	Probability, Statistics and Information	3	3	
	<i>SE Electives</i>			21
ECON1102	Macroeconomics 1	3	6	
Total			24	24

Stage 4

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	FCE electives	12	48	
Total			24	24

Stage 5

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	Industrial Training			
SENG4910	Thesis part A		6	
SENG4911	Thesis part B			12
SENG4921	Professional Issues and Ethics	6	6	
	<i>SE Electives</i>			24
Total			24	24

Notes

1. In order to meet the requirement for 96uoc of FCE content, at least 3uoc of the SE-electives must be chosen from INFS courses.
2. The above staging of the program represents one possible sequence of courses. The staging of the courses may be modified, subject to prerequisites and timetabling.

2.2.5 3749 BE Software Engineering MBiomedE

UAC code: 425023
 Program code: 3749
 Plan: SENGA13749

The BE Software Engineering MBiomedE concurrent degree program is offered jointly through the School of Computer Science and Engineering and the Graduate School of Biomedical Engineering.

Stage 1

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
COMP1911 COMP1917	Computing 1 <i>or</i> Higher Computing 1	6	6	
MATH1131 MATH1141	Mathematics 1A <i>or</i> Higher Mathematics 1A	6	6	
MATH1081	Discrete Mathematics	6	6	
INFS1603	Business Data Management	3	6	
SENG1031	Software Engineering Workshop 1	4		6
MATH1231 MATH1241	Mathematics 1B <i>or</i> Higher Mathematics 1B	6		6
COMP1921	Data Structures & Algorithms	6		6
BIOM1010	Engineering in Medicine and Biology	4		6
Total			24	24

Stage 2

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG2010	Software Engineering Workshop 2A	2	3	
SENG2020	Software Engineering Workshop 2B	2		3
COMP2111	System Modelling and Design	6	6	
COMP2911	Engineering Design	6	6	
COMP2121	Microprocessors and Interfacing	6	6	
COMP3711	Project Management	3		6
INFS2603	System Analysis & Design	3	6	
MATH2859	Probability, Statistics and Information	3	3	
	<i>General Education</i>		3	
BIOM9420	Clinical Laboratory Science	3	6	
Total			24	24

Stage 3

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
SENG3010	Software Engineering Workshop 3A	3	3	
SENG3020	Software Engineering Workshop 3B	3		3
COMP3141	Software System Design & Implementation	6	6	
COMP3331 INFS2607	Computer Networks and Applications <i>or</i> Business Data Networks	6	6	
PHPH2121	Principles of Physiology A	6	6	
PHPH2221 <i>or</i> BIOM9xxx	Principles of Physiology B BIOM Elective	6		6
	<i>SE Electives</i>			15
	<i>General Education</i>			3
Total			24	24

Stage 4

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	Industrial Training			
SENG4921	Professional Issues and Ethics		6	
BIOM5909	Thesis A			6
BIOM9xxx	BIOM Electives		18	
	<i>SE Electives</i>		18	
Total			24	24

Stage 5

Course No	Course Name	hr/wk	S1 uoc	S2 uoc
	Industrial Training			
BIOM5904	Thesis B			12
BIOM9913 BIOM9xxx	Thesis C <i>or</i> BIOM Electives			12
BIOM9410	Regulatory Requirements of Biomedical Technology	3	6	
BIOM9xxx	BIOM Electives			12
	<i>SE Electives</i>			6
Total			24	24

Notes

1. The above staging of the program represents one possible sequence of courses. The staging of the courses may be modified, subject to prerequisites and timetabling.
In particular, the Biomed and SE electives may be redistributed to suit.

2.3 Proposed Revision in Detail

Changed role of School of Systems, Technology and Management (SISTM)

In late 2005 SISTM was involved in a restructuring exercise and as a consequence withdrew from its formal joint administrative role in the Software Engineering program. The immediate effect of this decision was that the School of Computer Science & Engineering (CSE) became the sole authority for the program, and SISTM staff would no longer be involved with the Software Engineering Workshops

Removal of INFS1611 from program

Reason Following the withdrawal of SISTM from the Software Engineering program, SISTM decided early in 2006 to withdraw the course INFS1611, *Requirements Engineering*.

Unit change: -3uoc.

Expansion of Requirements Engineering content in SENG1031

The formal Requirements Engineering material that previously was covered in INFS1611 has been added to SENG1031.

Unit change: none

Replace MATH2400 by MATH1231/1241 to stage 1

Reason The removal of INFS1611 left a deficit of 3uoc. This was corrected by replacing MATH2400 (3uoc) by MATH1231/1241 (6uoc). There are disadvantages in losing MATH2400 from the program, but the change makes the Software Engineering programs more consistent with other engineering programs.

Unit change: +3uoc

Replace COMP1011 by COMP1911

Reason: School of Computer Science & Engineering (CSE) course revision, previously approved.

Unit change: none

Replace COMP1021 by COMP1921

Reason: CSE course revision, previously approved.

Unit change: none

Replace COMP2011 by COMP2911

Reason: CSE course revision, previously approved.

Unit change: none

2.4 Units of credit

	3648	3651/3652/3653/3749
Stage 1	24uoc	24uoc
Stage 2	24uoc	24uoc
Stage 3	24uoc	24uoc
Stage 4	24uoc	24uoc
Stage 5		24uoc
Total	192uoc	240uoc

Full-time program load equivalence (EFTSU): ??

2.5 Date of Last Program Revision

Last review: 2004

2.6 Next Program Review Date

Next review: 2008

2.7 Student Impact Statement/Transitional Arrangements

Stage	Category	Options
Stage 1	enrolment before 2006 & not completed COMP1011	take COMP1911
Stage 1	enrolment before 2006 & not completed COMP1021	take COMP1911
Stage 1	2006 enrolment	immediate adoption
Stage 2		takes effect in 200cc7
Stage 3-5		no change

2.8 General Education program (for undergraduate programs only)

This proposal has no effect on the General Education or Professional Ethics and Social Responsibility content.

2.9 Alternative Delivery of Programs

- NA

2.9.1 Alternative Delivery Arrangements

- NA

2.9.2 Multi-mode Delivery Guidelines

- NA

2.9.3 University resources required by students

This proposal does not substantially change the resources required for students.

2.10 Information Technology Requirements for students

This proposal does not substantially change the IT resource requirements for students in the Software Engineering program.

3. CROSS REFERRAL

The major impact of this proposal is on the School of Computer Science & Engineering, however the School of Information Systems, Technology and Management and the School of Mathematics have been consulted.

3.1 Academic Units with Potential Interest

- NA

3.2 Material Overlap and Service Teaching

- | | | |
|-------|---|---------------------------------------|
| (i) | Does the proposal overlap with material already being taught by other academic units? | No |
| (ii) | Will students in other programs take courses in this program? | Yes as they do in the current program |
| (iii) | Will service teaching be provided or has it been in the past and will it no longer be provided, by other departments/schools? | No |

3.3 Academic Cross-referral

Note: this section of the Proposal must be signed by any interested parties (the Dean and/or Presiding Member of the consulted Faculty/Faculties), stating: OR alternatively, attach copies of correspondence of consultation.

I have examined the Program Proposal and have no concerns with the matter proceeding.

Further Comments:

Dean or Presiding Member of consulted Faculty/Faculties

/ /2006

3.4 Administrative Units or External Organisations with Interest

3.5 Administrative Cross-referral

Note: the Registrar's Division needs to be consulted on the Program Proposal and this section of the Proposal must be signed by the Registrar's Nominee, stating:

I have examined the Program Proposal and have no administrative concerns with the matter proceeding.

Further Comments:

Registrar's Nominee

/ /2006

4. COURSE DETAILS

4.1 Summary of Handbook Course Descriptions

The handbook entry for the revised course SENG1031 is given in the attached course proposal. All other courses have their existing handbook entries, except for the following changes.

PROPOSAL TO REVISE A COURSE

5. REVISION OF A COURSE – SUMMARY CHECKLIST

Please indicate the type of revision proposed:

- to amend the handbook description

6. PROPOSED REVISION

SENG1031, Software engineering Workshop 1, is being revised to add formal material on *requirements engineering* to accommodate the loss of INFS1611. This course already contained material and a project that was concentrated on requirements engineering, so this revision is not major.

7. COURSE DETAILS

7.1 Course ID

SENG1031

7.2 Course name – Long

Software Engineering Workshop 1

7.3 Course name – Abbreviated

Software Engineering Workshop 1

7.4 Course Authority

Ken Robinson 54045/k.robinson@unsw.edu.au

7.5 Organisational Unit responsible for the course

School: **Computer Science & Engineering** Faculty: **Engineering**

Academic Group Code (Faculty): **ENG**

Academic Organisation Code (Owner): **COMPSC**

7.6 Justification of Proposal

SENG1031 contains practical and project work involving requirements engineering. The formal material on requirements engineering has been provided previously by INFS1611, provided by the School of Systems, Information, Technology and Management (SISTM). As SISTM are no longer offering this course, this proposal increases the formal requirements engineering content of SENG1031.

7.7 Consultation Process

This is a core course for the Software Engineering program and is largely taken only by such students. The proposal has been discussed and approved by the Teaching Committee of CSE.

7.8 Units of credit (uoc) Session/s offered Hours Per Week

6uoc; offered in S1; 5 hours/week

7.9

Prerequisites: none
Corequisites: none
Exclusions: SENG1020

7.10 Proposed Entry in the Faculty Handbook (including course description)

SENG1031 Software Engineering Workshop 1

Faculty: Engineering

School: School of Computer Science & Engineering

Contact: Peter Steven Ho

Campus: Kensington Campus

Course Outline

The Software Engineering Workshop is a series of courses that span the first three years of the Software Engineering program. The course series will provide an opportunity to work in small teams on substantial, realistic projects, covering most phases of the software production life cycle. The SE Workshop stream also provides an opportunity to apply the techniques and methods covered in other courses of the course. Under guidance from staff, the intention of this series is to enable students to learn by reflective practice. Whatever steps are taken students should become aware of what they are doing, and reflect on the consequences. Each course in the series will involve group project work, system development, presentations, and reporting. This is the first course in the series and will contain:

- a discussion of the importance to reliable system implementation of a formal description of functional and non-functional requirements;
- an introduction to graphical tools for describing such requirements;
- an introduction to the software process and to a number of the software engineering practices to be adopted throughout the series;
- the formation of the first set of small groups;
- a number of exercises to develop group skills.

Each group will complete a domain analysis and a requirements analysis for a project. Each group will: examine similar systems; interview users or potential users of the system; develop a requirements document; validate the requirements by prototyping.

7.11 Is this course replacing an existing course?

No

7.12 Undergraduate

7.13 Core

This course is core in programs: 3648, 3651, 3652, 3653, 3749.

7.14 Program stage

Usually taken in Stage 1
First offered: S2 2006

7.15 Programs in which course will be available

Available to students with the prerequisites in any program, especially 3648, 3651, 3652, 3653, 3749.

7.16 Proposed teaching methods and assessment practices

Teaching will be via lectures and group project work.

Assessment will be based on a number of project deliverables distributed across the semester. There is no formal examination.

7.17 Assessment grades to be used

- Full range of grades HD, DN, CR, PS, FL

7.18 Mode of delivery

- Internal

7.18.1 Multi-mode Delivery Guidelines

- NA

7.19 Information Technology Requirements for students

The assignments will use the CSE Computing Laboratories. Various tools such as *RequisitePro* and *Rational Rose* may be used and will be freely available to students.

7.20 Textbooks

Leszek A Maciaszek, Requirements Analysis and System Design, 2e, Addison Wesley, UK, ISBN 0321204646, 2005.

7.21 Industrial experience component

- NA

8. RESOURCE STATEMENT

8.1 Enrolments

2006	45
2007	50
2008	50

8.2 Resource Requirements

Staffing Requirements:

	Hours per week
Full-time Academic Staff	8
Part-time Teaching Staff	6
General Staff	NIL

Field Costs:	NIL
Studio/Laboratory Requirements:	NIL
Materials Requirements:	NIL
Equipment Costs:	NIL
Computing Requirements:	NIL
Library Requirements:	NIL
Capital Funds Requirements:	NIL

8.3 Servicing Implications

- NA

8.4 Teaching arrangements:

1. Will other units contribute on a regular basis to the teaching of this course?

- No

2. If yes, which units are involved and what proportion of the course will they teach?

8.5 Alternative Delivery Arrangements

- NA

8.6 Details of Tuition Fees

Fees for courses are calculated on a pro-rata basis. Proposed fee:

- Standard fees for a 6uc Faculty of Engineering course