UNIVERSITY OF WOLLONGONG
FACULTY OF INFORMATICS EDUCATION COMMITTEE

Minutes of Meeting 4/07 be held at 1.30pm on Thursday 5 July 2007 in Building 3, room 123.

PRESENT: A/Prof G Williams (Chair), Dr R Caladine, A/Prof P Hyland, A/Prof P Nickolas, Mr A Parkes, Dr D Platt, Dr W Li, Mr P Vial, and Dr A Worthy.

IN ATTENDANCE: Mrs A Lonard (nee Panetta)

1. PRELIMINARY BUSINESS

*1.1 Apologies/Leave of Absence
Apologies were received from Ms A Meldrum, Dr K Michael, Prof F Naghdy, Prof P Ogunbona, Dr C Rossetto, and Dr Z-Q Zhou.

*1.2 Arrangement of Agenda
1.2.1 Due to Dr Katina Michael being on sick leave, item 9.1 was unstarred and deferred until the next meeting.

The Chair’s report was also unstarred.

Due to the number of course proposals listed on the agenda, the Chair requested that all of item 7 and 8.1 be starred, and each course and subject proposal be discussed completely for clarification.

1.2.2 A motion to adopt the draft resolutions for the items not starred was carried.

*1.3 Confirmation of the Minutes of the Meeting of 17 May 2007

The minutes of the meeting of 17 May 2007 were confirmed.

1.4 Business Arising from the Previous Minutes

The Chair provided an update on the subject surveys, which were discussed by Professor Sandra Wills at the last meeting. After receiving objections to the proposal to survey a lecturer when their subject was chosen for survey, this proposal was removed. The Schools have been asked to put forward a list of subjects to be surveyed on a five year basis. There was a query at this meeting about whether there was any flexibility to review subjects which were included in this list. The Chair confirmed that it is still possible to review these subjects each year if required.

2. REPORT FROM THE CHAIR – VERBAL REPORT

3. REPORT FROM CEDIR / LEARNING DEVELOPMENT UNIT
4. REPORT FROM THE LIBRARY

5. REPORT FROM STUDENT MEMBER

6. PROGRESS REPORTS ON STRATEGIC PLANNING OBJECTIVES

6.1 2007-2008 Faculty Plan Progress Report

7. SCHOOL ITEMS

SCHOOL OF COMPUTER SCIENCE AND SOFTWARE ENGINEERING (SCSSE)

7.1 Subject Number Changes

The Committee noted that there was no change to content of the subjects listed in the agenda, only a code/number change.

A/Professor Peter Hyland advised that IACT441 and IACT940 still exist and will be taught separately to CSCI441 and CSCI940.

Resolved FEC07/20:
That FEC recommends approval of the change to the subject numbers of the following subjects as outlined, effective from 2008:

<table>
<thead>
<tr>
<th>From:</th>
<th>To:</th>
</tr>
</thead>
<tbody>
<tr>
<td>IACT441 IT Research Methodology</td>
<td>CSCI441 CS Research Methodology</td>
</tr>
<tr>
<td>IACT940 Research Methodology</td>
<td>CSCI940 Research Methodology</td>
</tr>
<tr>
<td>ITCS933 Software Engineering Requirements and Specifications</td>
<td>CSCI928 Software Engineering Requirements and Specifications</td>
</tr>
<tr>
<td>ITCS432 Web Design</td>
<td>CSCI332 Web Design</td>
</tr>
</tbody>
</table>

7.2 Name Change for CSCI464/964

Resolved FEC07/21:
That FEC recommends approval of the name change of the following subject from CSCI464/964 Neural Computing to CSCI464/964 Computational Intelligence, effective from 2008.

7.3 Deletion of Subjects/Replacement with New Subjects

The Chair advised that the proposed new replacement subjects contain similar content to the subjects being deleted. The new subjects have been developed to align with the needs of industry.

The Chair queried whether there was a 900 level equivalent for CSCI398 and whether students could still do both CSCI407 and CSCI398 and have both counted, as this was not stated on the proposal.

The draft resolution was approved subject to finalisation of the above queries by SCSSE. After the meeting, SCSSE confirmed that CSCI398 would only be offered at 300 level, and that students who have completed CSCI407 will not be able to choose CSCI398.
Resolved FEC07/22:
That FEC recommends the deletion of the following subjects, to be replaced with new subjects as listed below, for introduction in 2008:

<table>
<thead>
<tr>
<th>Delete</th>
<th>Replace with new subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI463/963 Advanced Computer Graphics</td>
<td>CSCI436/936 Visualisation</td>
</tr>
<tr>
<td>CSCI407/907 Corba &amp; Enterprise Java</td>
<td>CSCI398 Introduction to Enterprise Computing</td>
</tr>
</tbody>
</table>

7.4 Deletion of Subjects

Resolved FEC07/23:
That FEC recommends approval of the deletion of the following subjects from the Graduate Additional Subjects List, which has also been deleted, effective from 2008:
- CSCI240/ITCS940 Multimedia Programming Foundations
- CSCI343/ITCS943 Game Design & Programming
- CSCI445/945 Parallel Computing
- CSCI457/957 Advanced Topics in Database Management
- CSCI465/965 Design and Analysis of Algorithms
- CSCI467/967 Complexity Theory
- CSCI918 Software Engineering Practises & Principles
- CSCI925 Topics in Software Engineering (NB not offered at 400 level)
- CSCI974 Systems Analysis (NB not offered at 400 level)
- ITCS921 Database Design & Implementation
- ITCS922 Computer Security
- ITCS932 Web Design
- ITCS934 Software Process Management
- ITCS941 Multimedia Graphics (NB not offered at 400 level)
- ITCS942 Multimedia 3D Modelling and Animation (NB not offered at 400 level).

7.5 Revised Subject: CSCI399

This subject was originally developed for the Bachelor of Internet Science and Technology, however it proved useful for inclusion in the Bachelor of Computer Science (BCompSc). Changes to the BCompSc degree hence required changes to this subject.

Mr Peter Vial queried the content of this subject, suggesting it may overlap with ECTE181 WWW Engineering. The Committee concluded that the material in CSCI399 was more advanced and at 300 level, whereas ECTE181’s material was at a more introductory level.

Resolved FEC07/24:
That FEC recommends approval of the revision to CSCI399 Server Technology as outlined in the attached form, effective from 2008.

7.6 New Subject Proposals submitted for changes to majors

The Chair advised that the subjects in this item were developed to support the majors in item 7.7 and 7.8.

Mr Peter Vial expressed concerns with three of the proposed new subjects, and the apparent lack of consultation between SCSSE and SECTE in the development of these subjects. It seemed the subjects overlapped in some
areas of SECTE subjects, and Mr Vial suggested there could be some co-
teaching arrangements made. Dr Wanqing Li confirmed that some consultation
had taken place between the Schools this year. It was agreed to have a further
meeting with representatives from each School for further consultation.

The Chair also queried the reference made to SCSSE’s proposal to acquire a
new staff member, which was to be followed up by Dr Li. He also noted that
each new subject required software to be purchased. This could be expensive
and he queried whether this could be done through the normal School budget.
As one example he noted the suggestion to use Mathematica whereas the
similar package, Maple, is available in the laboratories in SMAS.

Resolved FEC07/25:
That FEC recommends approval of the following new subjects for introduction in
2008:

CSCI346 Game Development
CSCI356 Game Engine Fundamentals
CSCI426/926 Software Testing and Analysis
CSCI427/927 Service-Oriented Software Engineering
CSCI424/924 Reasoning and Learning

That FEC recommends approval of the following new subjects for introduction in
2008, subject to consultation between SECTE and SCSSE:

CSCI366 Multimedia Computing
CSCI433/933 Pattern Recognition
CSCI435/935 Computer Vision

7.7 Minor Change to Bachelor of Computer Science

The Committee discussed the proposed changes to the Bachelor of Computer
Science.

Mr Peter Vial requested that his objection to the change in name for the
“Software Development” to “Software Engineering” major be noted in the
minutes. It was argued that as the word ‘engineering’ is included in the name of
the School, it should be permitted to be included in the name of a major offered
by the School. Mr Adam Parkes, the student representative, queried the
motivation behind the change of name of the major. The Chair explained that the
term ‘engineering’ implied a more substantial meaning given that the course
comprises a substantial portion of programming.

A/Professor Peter Hyland also requested that “Enterprise Systems” be renamed
“Enterprise Systems Development”.

The resolution was carried subject to the following:

- approval of the subjects listed in the previous item;
- change from “Enterprise Systems” to “Enterprise Systems Development”.

Mr Peter Vial’s objection was noted.

Resolved FEC07/26:
That FEC recommends approval of the minor amendments to the Bachelor of
Computer Science degree, as outlined in the attached form, effective from 2008.
7.8 Minor Change to the Master of Computer Science and the Master of Computer Science (Advanced) degrees

Resolved FEC07/27:
That FEC recommends approval of the minor amendment to the Master of Computer Science and the Master of Computer Science (Advanced) degrees, effective from 2008.

SCHOOL OF ELECTRICAL, COMPUTER & TELECOMMUNICATIONS ENGINEERING

SCHOOL OF INFORMATION SYSTEMS & TECHNOLOGY

A/Professor Hyland tabled a document summarising the recent changes to SISAT’s offerings.

The Chair made a general comment that there seemed to be a lack of documentation showing the consultation with other Faculties. A/Professor Hyland will provide copies of emails.

The Chair also queried whether proposals for the Honours component of both the Bachelor of Information Technology and Bachelor of Information Systems will be submitted. A/Professor Hyland advised these proposals would be followed up at a later period, as there will not be students doing Honours in these degrees for at least three years.

7.9 New Course: Bachelor of Information Systems

The Chair noted that the Bachelor of Information Systems (BIS) proposal did not expand much in the market demand and attraction section and that the course allows up to 72 credit points of 100-level subjects to be taken by students. A/Professor Peter Hyland explained that as this proposal was developed by Information Systems staff, the course requirements are similar to that of the Commerce undergraduate course, however will be amended to allow only 60 credit points of study at 100-level.

A/Professor Hyland also advised that the UAI listed in the course proposals for the BIS and the Bachelor of Information Technology (to follow) should read 75, not 80.

Resolved FEC07/28:
That FEC recommend approval of the new degree, the Bachelor of Information Systems, for introduction in 2008.

7.10 Major change: Bachelor of Information Technology

Mr Peter Vial queried whether the ECTE subjects included in this proposal were core subjects. A/Professor Peter Hyland confirmed that they were. Mr Vial suggested that some ECTE subjects would be suitable for inclusion in the Electives list, to which A/Professor Hyland had no objection. Mr Vial agreed to email a list of suggested subjects to A/Professor Hyland.

The Chair made some suggestions related to the proposal including:
- Adding comment on the subject number changes throughout the course.
- Clarifying whether subjects listed in the core and the electives list can both be counted.
- Clarifying whether students must choose a major.

**Resolved FEC07/29:**
*That FEC recommends approval of the major change to the Bachelor of Information Technology as outlined in the attached form, effective from 2008.*

**7.11 Major change: Master of Information Technology Management**

**Resolved FEC07/30:**
*That FEC recommends approval of the major change to the Master of Information Technology Management as outlined in the attached form, effective from 2008.*

**7.12 Major change: Master of Information Systems and Master of Information Systems (Advanced)**

The Chair requested that clarification be given between the Master of Information Systems, the Master of Information and Communication Technology and the Master of Information Technology Management. A/Professor Hyland agreed to address this before the Faculty Committee meeting.

**Resolved FEC07/31:**
*That FEC recommends approval of the major changes to the Master of Information Systems and Master of Information Systems (Advanced) degrees as outlined in the attached forms, effective from 2008.*

**7.13 Major change: Master of Information and Communication Technology and Master of Information and Communication Technology (Advanced)**

A member queried whether there was a subject description/proposal for ISIT918. A/Professor Hyland advised that this was an existing subject and that a document outlining all the changes to subject codes was presented at the last meeting.

Mr Peter Vial noted that ISIT918 *Corporate Network Management* seems to overlap the SECTE subject ECTE986 *Telecommunications Network Management*, and suggested the name be changed to Applied Network Management. A/Professor Peter Hyland suggested that ECTE986 be included in the CSCI Graduate List. He also suggested the addition of a clause to direct students to choose subjects from all units in the Faculty, rather than to have a CSCI Graduates List.

**Resolved FEC07/32:**
*That FEC recommend approval of the major changes to the Master of Information and Communication Technology and the Master of Information and Communication Technology (Advanced) degrees as outlined in the attached forms, effective from 2008.*

**7.14 New Subject Proposals**

The Chair advised that MATH179 *Introductory Business Mathematics* should be included in the list of new subject proposals. This proposal was emailed to members for comment prior to this meeting.
A/Professor Peter Nickolas made some suggested changes to the MATH179 proposal, as follows:

- In the ‘Subject Rationale’ section, add “, providing mathematical foundations for the Bachelor of Information Systems and Bachelor of Information Technology”.
- In Section B, under the question ‘Will any subjects be deleted to make way for this subject?’, add after ‘None’, “, but STAT131 Understanding Variation and Uncertainty will only be taught in Spring session every year rather than both sessions”.
- In Section B, justification of student numbers question, add “This is anticipated enrolment for the two degrees”.

Resolved FEC07/33:
That FEC recommends approval of the following new subjects, for introduction in 2008:

<table>
<thead>
<tr>
<th>Subject Description</th>
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<tbody>
<tr>
<td>ISIT332 Business Process Management</td>
</tr>
<tr>
<td>ISIT403/903 Enterprise Architecture Design</td>
</tr>
<tr>
<td>ISIT404/904 Systems Integration</td>
</tr>
<tr>
<td>ISIT408/908 IT Governance</td>
</tr>
<tr>
<td>ISIT410/910 IT-enabled Supply Chain Management</td>
</tr>
<tr>
<td>MATH179 Introductory Business Mathematics</td>
</tr>
</tbody>
</table>

7.15 Revised Subject Proposal

Resolved FEC07/34:
That FEC recommend approval of the amendment to the following subject prefix, effective from 2008:

To change BUSS211 Systems Analysis to ISIT100 Systems Analysis.

7.16 Minor Changes: Graduate Certificate in Information and Communication Technology; Graduate Certificate in Information Systems; Graduate Diploma in Information Systems

The Chair expressed concerns that the course pre-requisites in the proposal for the Graduate Certificate in ICT did not agree with the course structure listed on page two of the document. A/Professor Peter Hyland agreed to address this before submitting the proposal to the Faculty Committee.

Resolved FEC07/35:
That FEC recommends approval of the minor amendments to the Graduate Certificate in Information and Communication Technology, the Graduate Certificate in Information Systems and the Graduate Diploma in Information Systems, as outlined in the attachments, effective from 2008.

7.17 Proposed name change: Graduate Diploma in Information Systems

The Chair expressed concerns that this proposal seemed to be inconsistent with the previous proposal. A/Professor Peter Hyland agreed to address this before submitting the proposal to the Faculty Committee.
Resolved FEC07/36:
That FEC recommends approval of the name change of the Graduate Diploma in Information Systems to the Graduate Diploma in Information Systems and Technology, effective from 2008.

SCHOOL OF MATHEMATICS AND APPLIED STATISTICS

7.18 Subject name change: STAT151

Resolved FEC07/37:
That FEC recommend approval of the name change of the following subject:
from STAT151 Concepts and Practice of Statistics
to STAT151 Fundamentals of Biostatistics,
effective from 2008.

*8 ITEMS FOR DISCUSSION AND FEEDBACK

*8.1 Deletion of Course: Bachelor of Science – Bachelor of Mathematics

The Committee supported the proposal from the Faculty of Science to delete the Bachelor of Science – Bachelor of Mathematics as enrolments for this degree have been declining over recent years.

9. OTHER BUSINESS

9.1 The Learning Edge (Equella): Presentation by Katina Michael

This item was deferred until the next meeting.

9.2 Teaching Facilities Subcommittee Report: Mark Nelson

The Committee noted the report from the Teaching Facilities Subcommittee.

10. NEXT MEETING

The next meeting is scheduled for Thursday 23 August.

Angelina Lonard
FEC Secretary
16 July 2007