NOTING OF DECISIONS TAKEN BY CIRCULATION TO FACULTY BOARD OF LIFE AND PHYSICAL SCIENCES DATED 16 JULY 2009

The following items were circulated to Faculty Board members for consideration on 16 July 2009. Members were requested to advise the Administrative Officer if they had any objections to the circulated items being approved. As there were no objections from members, the items are hereby minuted accordingly.

Imelda Ooi
Administrative Officer

ITEMS FOR THE ATTENTION OF ACADEMIC SECRETARIAT

1. PROPOSED ESTABLISHMENT OF MARGARET LOMAN-HALL SCHOLARSHIP  REF:

Members noted that the Dean had approved the establishment of the Margaret Loman-Hall undergraduate scholarship bequested by the late Dr Margaret Loman-Hall to the School of Anatomy and Human Biology. The purpose of the scholarship was to encourage and assist eligible students who had completed a major in Anatomy and Human Biology to undertake the Bachelor of Science honours program in the School. A copy of the draft conditions was attached to the circular.

2. ITEMS FROM THE BOARD OF STUDIES CIRCULATED ON 7 JULY 2009

The following items were approved by circulation to the Board of Studies in Science on 7 July 2009 and subsequently approved by circulation to Faculty Board members on 16 July 2009:

a. PROPOSED CHANGE TO RULES FOR BSc HONOURS IN PSYCHOLOGY  REF: F6294

The Head of the School of Psychology had requested changes to the 4th year in Psychology based on the recommendation from a working party comprising staff and student representatives within the School. The changes would remove overlaps in unit content and the School’s perception that it was delivering more than was needed by the accrediting agency (APAC).

RESOLVED – 26

to recommend to Academic Council that the proposed change to the rules for BSc honours in Psychology be approved with effect from 2010 as follows:

- Deletion of optional units –
  PSYC7412 Psychology as a Profession 1: Assessment of Individuals and Systems; and
  PSYC7419 Psychological Methods 2: Specialist Research Methods

- Renaming of the following units:

<table>
<thead>
<tr>
<th>Current name</th>
<th>Proposed name</th>
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</thead>
<tbody>
<tr>
<td>PSYC7413 Psychology as a Profession II: Effecting Change</td>
<td>PSYC7413 Psychological Research and Practice</td>
</tr>
<tr>
<td>PSYC7416 Psychological Approaches to Understanding</td>
<td>PSYC7416 Psychological Research and Theory</td>
</tr>
<tr>
<td>PSYC7418 Psychological Methods 1: Analysis of Complex Data</td>
<td>PSYC7418 Psychological Research and Data</td>
</tr>
</tbody>
</table>
• the structure of the BSc honours in Psychology to comprise the following units:

  PSYC7413 Psychological Research and Practice
  PSYC7416 Psychological Research and Theory
  PSYC7418 Psychological Research and Data.
  PSYC7422 Honours Research Project (30 points)

b. BACHELOR OF SCIENCE / BACHELOR OF ENGINEERING REF: F6294

The Board of Studies in Science had agreed recently to some additions to the list of approved combinations of engineering programs and science majors. Two further additions were recommended by the Associate Dean (Students) of the Faculty of Engineering, Computing & Maths i.e. that the majors in the biomedical area namely, anatomy & human biology, biochemistry, pharmacology and physiology, currently available with Electronic Engineering, become standard options with the BE programs in (a) Mechanical Engineering, and (b) Mechatronics. These combinations would offer possible career outcomes in the field of biomedical engineering and had been requested by some students in past years.

RESOLVED – 27

to recommend to Academic Council that with effect from 2010, the majors in the biomedical area namely, anatomy & human biology; biochemistry, pharmacology and physiology currently available with Electronic Engineering, become standard options with the BE programs in (a) Mechanical Engineering, and (b) Mechatronics.

c. LIMIT ON BIOLOGICAL UNITS AT LEVEL 1 REF: F5075

Currently the Science Courses booklet had included a note restricting students to take up to four of the five biological units offered at level 1 namely, ANHB1101 Human Biology 1, ANHB1102 Human Biology 2, BIOL1130 Core Concepts in Biology, BIOL1131 Plant & Animal Biology, and SCIE1106 Molecular Biology of the Cell, but this had not been included in the Bachelor of Science (BSc) rules.

RESOLVED – 28

that a footnote be added to Table 9.2.2a [Recognised Units for the Bachelor of Science], to spell out that students be permitted to take up to four of the five biological units offered at level 1 as specified above.

d. PROPOSED CHANGE TO RULES FOR BSc (SPORT SCIENCE) PROGRAM REF: F6294

The School of Sport Science, Exercise and Health had requested some minor changes to the units for the BSc (Sport Science) program offered offshore in Singapore and to enable a unit to be extended over four PSB semesters.

RESOLVED – 29

to recommend to Academic Council that the following changes to the units for the BSc (Sport Science) program be approved with effect from 2010:

(i) Replacement of HMES3387 Human Performance in Industry with HMES3301 Exercise Prescription for Health and Fitness;
(ii) Replacement of HMES3346 Skill Acquisition and Performance in Sport with HMES3345 Motor Skill Development as HMES3346 was likely to be phased-out; and
(iii) Splitting of HMES3390 Professional Practice Part 1 and HMES3391 Professional Practice Part 2 over four teaching periods as follows:

• HMES 3381 Professional Practice Part 1 (1.5 points)
• HMES 3382 Professional Practice Part 2 (1.5 points)
• HMES 3383 Professional Practice Part 3 (1.5 points)
• HMES 3384 Professional Practice Part 4 (1.5 points).
e. PROPOSED CHANGE TO RULES FOR BSc HONOURS IN PHARMACOLOGY REF: F6294

The discipline of Pharmacology wished to accept candidates who had not completed a major in pharmacology but who wished to undertake an honours project in research areas with which Pharmacology staff were associated. This applied particularly to external candidates whose undergraduate degree did not closely match any of the BSc majors.

RESOLVED – 30

to recommend to Academic Council that the rules for the BSc honours in Pharmacology be amended with effect from 2010 as follows:

Prerequisites

9.2.8A.40 Students must have achieved an average mark of at least 65 per cent in a major in Pharmacology, or equivalent as recognised by the Faculty.

9.2.8A.40(1) Subject to (2) and (3), students must have achieved an average mark of at least 65 per cent in a major in Pharmacology, or equivalent as recognised by the Faculty.

(2) Students who have not completed a major in Pharmacology may be considered for entry provided they have—
(a) completed another major with an average of at least 65 per cent;
(b) completed at least one unit in pharmacology at Level 3, with a mark of at least 65 per cent;
and
(c) appropriate academic background for their chosen project, as recognised by the Faculty.

(3) Students who do not meet the requirements of (1) or (2) above may be considered for entry to the Bachelor of Science (Biomedical Science) Honours programme with enrolment in units in Pharmacology.

f. BACHELOR OF SCIENCE/BACHELOR OF COMMERCE (51020)
BACHELOR OF SCIENCE/BACHELOR OF ECONOMICS (51010) REF: 6294

The Board of Studies in Science had recently agreed to approve STAT1400 Statistics for Science as a replacement for STAT1510 Statistics A in the combined Bachelor of Science/Bachelor of Commerce and Bachelor of Science/Bachelor of Economics courses. STAT1520 Economic & Business Statistics, taken by Economics and Commerce students, had not been an approved unit in these courses. The Sub-dean of the UWA Business School, Mr Paul Lloyd, advised that although STAT1400 was acceptable for all commerce/economics majors in the combined course, STAT1520 was slightly more appropriate for some majors, e.g. investment finance or quantitative economics. It would also simplify the granting of credit towards the combined course for students who transferred from the single Bachelor of Commerce or Bachelor of Economics.

RESOLVED – 31

to recommend to Academic Council that STAT1520 Economic & Business Statistics, be approved as an alternative unit to STAT1400 Statistics for Science and STAT2210 Biometrics 1 in the combined Bachelor of Science/Bachelor of Commerce and Bachelor of Science/Bachelor of Economics courses.

3. RESCISSION OF BSc (SCIENTIFIC COMPUTATION) PROGRAM REF: F6294, F5075

The School of Physics had advised that the BSc (Scientific Computation) program had not achieved the expected enrolment numbers and requested that it be rescinded with effect from 2010.

RESOLVED – 32

to recommend to Academic Council that the following be approved with effect from 2010:
(i) rescission of BSc (Scientific Computation) program; and
(ii) deletion of the following units –
   - SCIE2230 Scientific Modelling
   - SCIE2233 Foundation of Scientific Computation 1
• SCIE2234 Foundation of Scientific Computation II
• SCIE3330 Advanced Scientific Modelling
• SCIE3331 Special Topics in Scientific Computation
• SCIE3334 High Performance Computing I
• SCIE3335 High Performance Computing II

4. PROPOSED MINOR AMENDMENT TO ADMISSION REQUIREMENTS FOR GRADUATE CERTIFICATE IN ADULT SLEEP SCIENCE REF: REF: F6294

The School of Anatomy & Human Biology had proposed that the admission requirements for the Graduate Certificate in Adult Sleep Science be amended so that entry into the course would be more flexible.

RESOLVED – 33 to recommend to Academic Council that with effect from 2010, the admission requirements for the Graduate Certificate in Adult Sleep Science be amended as follows:

from
9.4.1A.3
(a)(i) has a bachelor’s degree in a relevant subject area from a recognized university;

... to
(a)(i) has a bachelor’s degree with subjects in the biomedical sciences discipline and/or psychology in a relevant subject area from a recognized university;

5. PROPOSED MODIFICATION TO CORE UNITS FOR THE GRADUATE DIPLOMA IN INTEGRATED HUMAN STUDIES, MASTER OF INTEGRATED HUMAN STUDIES AND INTRODUCTION OF GRADUATE CERTIFICATE IN INTEGRATED HUMAN STUDIES REF: F6294, F5075

The School of Anatomy & Human Biology had proposed the following:

(a) modification of units in the Graduate Diploma in Integrated Human Studies and Master of Integrated Human Studies

The unit modifications would:
• present existing content in discrete 6-point units (in line with the University’s standardization of units) to increase accessibility and flexibility;
• provide blended learning and fully online modes of delivery to enable distance learning opportunities nationally and internationally;
• involve re-arrangement of the unit content more coherently and using names which would better reflect their focus and objectives; and
• entail the introduction of five new units.

RESOLVED – 34 to recommend to Academic Council that the following be approved with effect from 2010:

(i) introduction of the following new units:
• IHEST8009 Dimensions of the Human Experience (6 points) to replace ANHB8404 Project Analysis;
• IHEST8110 Technologies, Economies and Ecologies of the 21st Century (6 points) to replace ANHB8405 Project Design;
• IHEST8111 Global Values and Lifestyles in the 21st Century (6 points). This unit together with IHEST8812 to provide an online alternative to the 12-point unit IHEST8804;
• IHST8812 Action, Innovation and Leadership for the 21st Century (6 points). This unit together with IHST8811 to provide an online alternative to the 12-point unit IHST8804; and

• IHST8813 Collaborative Online Inquiry into 21st Century Challenges (12 points) to provide an online alternative to IHST8803

(ii) Renaming of the following units:

<table>
<thead>
<tr>
<th>Current name</th>
<th>Proposed name</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHST8801 Orientation to Integrated Human Studies (Part 1)</td>
<td>IHST8801 Orientation to Integrated Human Studies</td>
</tr>
<tr>
<td>IHST8802 Orientation to Integrated Human Studies (Part 2)</td>
<td>IHST8802 Emergence of 21st Century Humanity</td>
</tr>
<tr>
<td>IHST8805 Principles and Practice of Integrated Human Studies (Part 1)</td>
<td>IHST8805 Principles and Practice of Integrated Human Studies</td>
</tr>
<tr>
<td>IHST8806 Principles and Practice of Integrated Human Studies (Part 2)</td>
<td>IHST8806 Modes of Inquiry in Integrated Human Studies</td>
</tr>
</tbody>
</table>

(b) introduction of a Graduate Certificate in Integrated Human Studies (52270)

In response to a number of enquiries from potential students and advice from Open Universities Australia, the School had proposed a Graduate Certificate in Integrated Human Studies (52270) which would comprise the first four units (24 points) of the Graduate Diploma in Integrated Human Studies.

RESOLVED – 35
to recommend to Academic Council that the introduction of the Graduate Certificate in Integrated Human Studies (52270) in 2010 and the draft rules be approved, subject to final drafting of the rules by Legislative Council.

6. ADDITION AND DELETION OF UNITS REF: F5075

The proposed new and deleted unit lists are attached (Attachment A).
## Proposal for new units – Faculty Board Circular dated 16.7.09

<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Unit Name</th>
<th>Points Value</th>
<th>Brief Description of Unit Content</th>
<th>Courses in which offered</th>
<th>Semester offered in</th>
<th>Faculty Rules to be amended (Specify)</th>
<th>Faculty Resolution Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>I8ST8809</td>
<td>Dimensions of the Human Experience</td>
<td>6</td>
<td>An interdisciplinary investigation of the diversity of human natures and cultures and their relevance in the 21st Century</td>
<td>Graduate Diploma and Master of Integrated Human Studies</td>
<td>Sem1, Sem2</td>
<td>9.5.34, 9.6.41</td>
<td>R34/09</td>
</tr>
<tr>
<td>I8ST8810</td>
<td>Technologies, Economies and Ecologies of the 21st Century</td>
<td>6</td>
<td>An investigation of technologies, economies and ecologies with emphasis on disciplinary skills and paradigms</td>
<td>Graduate Diploma and Master of Integrated Human Studies</td>
<td>Sem1, Sem2</td>
<td>9.5.34, 9.6.41</td>
<td>R34/09</td>
</tr>
<tr>
<td>I8ST8811</td>
<td>Global Values and Lifestyles in the 21st Century</td>
<td>6</td>
<td>An interdisciplinary investigation of global values and lifestyles with emphasis on future equity</td>
<td>Graduate Diploma and Master of Integrated Human Studies</td>
<td>Sem1, Sem2</td>
<td>9.5.34, 9.6.41</td>
<td>R34/09</td>
</tr>
<tr>
<td>I8ST8812</td>
<td>Action, Innovation and Leadership for the 21st Century</td>
<td>6</td>
<td>An interdisciplinary approach to practical ways to achieve positive outcomes for the 21st Century</td>
<td>Graduate Diploma and Master of Integrated Human Studies</td>
<td>Sem1, Sem2</td>
<td>9.5.34, 9.6.41</td>
<td>R34/09</td>
</tr>
<tr>
<td>I8ST8813</td>
<td>Collaborative Online Inquiry into 21st Century Challenges</td>
<td>12</td>
<td>Looks at complex local and global issues which demands interdisciplinary and collaborative approaches</td>
<td>Graduate Diploma and Master of Integrated Human Studies</td>
<td>Sem1, Sem2</td>
<td>9.5.34, 9.6.41</td>
<td>R34/09</td>
</tr>
</tbody>
</table>

I confirm that the processes leading to the proposals for the introduction of the new units listed above have included appropriate consultation with all other schools/faculties with a potential interest in the proposed new units. I am satisfied that the proposed new units will not overlap significantly with any other faculty.

Signed [Signature]

DEAN
### FACULTY OF LIFE AND PHYSICAL SCIENCES

**Proposal for deletion of units - Faculty Board circular dated 16.7.09**

<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Unit Name</th>
<th>Points Value</th>
<th>Brief Description of Unit Content</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SCIE2230</td>
<td>Scientific Modelling</td>
<td>6</td>
<td>Introduction to the main computational techniques used in solving practical problems in physics, chemistry and engineering</td>
<td>BSc (Scientific Computation)</td>
<td>9.2.7Y</td>
<td>R32/09</td>
</tr>
<tr>
<td>SCIE2233</td>
<td>Foundation of Scientific Computation I</td>
<td>6</td>
<td>Introduction to the basic computational techniques used in solving practical problems in physics, chemistry and engineering</td>
<td>BSc (Scientific Computation)</td>
<td>9.2.7Y</td>
<td>R32/09</td>
</tr>
<tr>
<td>SCIE2234</td>
<td>Foundation of Scientific Computation II</td>
<td>6</td>
<td>Builds on SCIE2233 using approximation methods and techniques for solving ordinary and partial differential equations</td>
<td>BSc (Scientific Computation)</td>
<td>9.2.7Y</td>
<td>R32/09</td>
</tr>
<tr>
<td>SCIE3330</td>
<td>Advanced Scientific Modelling</td>
<td>6</td>
<td>Unit not available in 2009</td>
<td>BSc (Scientific Computation)</td>
<td>9.2.7Y</td>
<td>R32/09</td>
</tr>
<tr>
<td>SCIE3331</td>
<td>Special Topics in Scientific Computation</td>
<td>6</td>
<td>Unit not available in 2009</td>
<td>BSc (Scientific Computation)</td>
<td>9.2.7Y</td>
<td>R32/09</td>
</tr>
<tr>
<td>SCIE3334</td>
<td>High Performance Computing I</td>
<td>6</td>
<td>Unit not available in 2009</td>
<td>BSc (Scientific Computation)</td>
<td>9.2.7Y</td>
<td>R32/09</td>
</tr>
<tr>
<td>SCIE3335</td>
<td>High Performance Computing II</td>
<td>6</td>
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I confirm that the processes leading to the proposals for the introduction of the new units listed above have included appropriate consultation with all other schools/faculties with a potential interest in the proposed new units. I am satisfied that the proposed new units will not overlap significantly with any other faculty.

Signed  
DEAN

*Deleted Unit Chart (15.7.09)*