MEMBERS OF THE BOARD OF THE FACULTY OF LIFE AND PHYSICAL SCIENCES

The first meeting of the Board of the Faculty of Life and Physical Sciences will be held on **Tuesday, 16 June 2009 at 2.30 pm** in the **Economics and Commerce conference room**.

**PLEASE NOTE CHANGE IN TIME FOR THE MEETING**

Membership of the Board is as follows:

- Dean (Professor G Stewart)
- Deputy Dean (Professor Bob Grove)
- Associate Dean, Teaching & Learning (Professor Geoff Hammond)
- Associate Dean, Research (Professor Colin Raston)
- Academic Student Adviser (Dr Jane Emerson)
- Faculty Manager (Ms Jenny Gamble)
- Associate Professor Ian Dadour (Director, Centre for Forensic Science) or nominee
- Mr Roger Dickinson (Director, Centre for Learning Technology) or nominee

**Heads (or their nominees) of the following Schools:**
- Anatomy and Human Biology
- Biomedical, Biomolecular and Chemical Sciences
- Sport Science, Exercise and Health
- Physics
- Psychology

**Elected representatives (or their alternates):**
- Ms Inga Carr (Sport Science, Exercise and Health)
- Dr Craig Clark (Psychology)
- Mr Hubert Jurkiewicz (Psychology)
- Dr Peter Mark (Anatomy & Human Biology)
- Associate Professor Geoff Meyer (Anatomy & Human Biology)
- Associate Professor Tim St Pierre (Physics)
- Professor Alice Vrieling (BBCS)
- Dr Karen Wallman (Sport Science, Exercise and Health)
- Associate Professor Michael Wise (BBCS)

**Nominees from the following Faculties:**
- Dr John Henderson (Faculty of Arts, Humanities and Social Sciences)
- Dr Jane Heyworth (Faculty of Medicine and Dentistry)
- Professor Tony O'Donnell (Faculty of Natural and Agricultural Sciences)
- Dr Angus Tavner (Faculty of Engineering, Computing and Mathematics)

Science Union (VP [Education] – Ms Tesni Pattiaratchi)

Part I of the Agenda is to be dealt with en bloc by motion of the Chair. Part II is for discussion. A member may request the removal of an item from Part I to Part II.

Any member of the Faculty of Life and Physical Sciences (see Statute 8[12]) may attend the meeting as an observer, with speaking rights only, by prior arrangement with the Dean or the Faculty Manager.

A full copy of this agenda (including attachments) is sent to all administrative secretaries for consultation by Faculty members.

Imelda Ooi
Administrative Officer
WELCOME

Dr Craig Clark (Psychology)
Ms Inga Carr (Sport Science, Exercise and Health)
Dr Peter Mark (Anatomy & Human Biology)
Associate Professor Geoff Meyer (Anatomy & Human Biology)
Professor Tony O'Donnell (Dean, Faculty of Natural & Agricultural Sciences)
Associate Professor Tim St Pierre (Physics)
Professor Alice Vrielink (BBCS)

AGENDA

1. MINUTES REF: F3059

Confirmation of noting of decisions for items conducted by circulation on 18 May 2009.

2. DECLARATIONS OF POTENTIAL FOR CONFLICT OR PERCEIVED CONFLICTS OF INTEREST

The Chair invites members to declare interests in relation to any items on the agenda.

PART 1

(Items for Communication to be dealt with en bloc)

3. PRINCIPLES FOR THE OPERATION OF COMMITTEES REF: F12439

Members will be aware that all committees of the University are expected to operate according to the principles set out in the Principles for the Operation of Committees.

In 2005 the Deputy Vice-Chancellor and the Executive Director (Academic Services and Registrar) commissioned a "Working Smarter Through Committees" working party in order to investigate ways of streamlining and improving committee processes without compromising collegiality.

In accordance with Recommendation 9 – That the University’s principles and rules for the operation of committees are distributed (as part of the agenda) to all committee members and the Chair explicitly address these at the first meeting of each year - the principles and rules are attached along with the code of conduct for committee members (Attachment A).

4. PROPOSAL TO CANCEL THE COMBINED BA/BSc/MTEACH COURSE

The Faculty of Education Teaching and Learning Committee has recommended to their Faculty that the combined BA/BSc/MTeach course be cancelled as of 2010 due to low enrolments. The recommendation is taking into consideration the new University structure and to focus on the postgraduate program. Current students will be encouraged to transfer to single degrees and then apply for the Master of Teaching. The Board of Studies noted this item at its meeting on 5 May 2009.

For noting

PART II

(Items for Decision to be dealt with en bloc)

5. ITEMS FROM BOARD OF STUDIES MEETING HELD ON 2 JUNE 2009

A copy of the minutes of the Board of Studies meeting held on 2 June 2009 is attached (Attachment B). As no major concerns or issues were raised, the Chair recommends the following:
a. **PROPOSED CHANGES TO THE RULES FOR BSc (EXERCISE AND HEALTH) REF: F3488, F6294**

that the rules for the BSc (Exercise and Health) be amended as follows with effect from 2010:

(i) SSEH2290 Physical Activity and Health be listed as a core (compulsory) unit for the program (currently a core unit for the major in Physical and Health Education);

(ii) 48 points of Level 3 SSEH units be completed for the program (currently a requirement for the major in Physical and Health Education);

(iii) the majors for BSc (Exercise and Health) program i.e. Physical and Health Education and Sports and Exercise Science, be deleted from the program and that the core units for the Physical and Health Education major be listed as core units for the program.

(iv) for the Level 3 unit selection in the BSc (Exercise and Health), students be required to complete at least one unit from each of two specialist areas in the School (in addition to the listed core units).

b. **PROPOSED NAME CHANGE FOR BSc HUMAN MOVEMENT AND EXERCISE SCIENCE MAJOR REF: F6294**

that the proposal to rename the major Human Movement and Exercise Science to Sport Science, Exercise and Health be endorsed with effect from 2010.

c. **PROPOSED CHANGE TO BSc NEUROSCIENCE PROGRAM REF: F5002, F6294**

that with effect from 2010, for the BSc (Neuroscience) program, the core unit PSYC2205 Psychology: Behavioural Neuroscience, be replaced with either PSYC2217 Cognitive Neuroscience or PSYC2218 Perception and Sensory Neuropsychology, depending on unit availability.

d. **PROPOSAL FROM THE SCHOOL OF MATHEMATICS AND STATISTICS REGARDING THE AMALGAMATION OF STATISTICS A AND B**

that the proposal from the School of Mathematics and Statistics to delete the units STAT1510 Statistics A and STAT1530 Statistics B and replace with the new unit STAT1400 Statistics for Science, be approved with effect from 2010.

e. **PROPOSED MAJOR IN LAND, SOIL AND WATER**

the proposal from the School of Earth and Environment to amalgamate the Bachelor of Science, Soil Science and Land and Water Management majors into 'Land, Soil and Water' major be approved, with confirmation from the School that the requirements in the current major sequences for Soil Science and Land & Water Management for two units of chemistry and "at least one unit" of Maths or Stats, to be incorporated in the new combined major sequence for Land, Soil and Water. The following changes to be implemented with effect from 2010:

(i) deletion of the following units:

* EART3322 How Soils Function
* ENVST3334 Land and Water Management Research Project Part 1
* ENVST3335 Land and Water Management Research Project Part 2
* EART3334 Research Project in Soil Science Part 1
* EART3335 Research Project in Soil Science Part 2;

(ii) establishment of a new 6-point unit entitled EART33XX Land, Soil and Water Research Project;

(iii) changing the unit EART2240 Soil Biology and Plant Nutrition from a level 2 unit to a level 3 unit; and

(iv) EART1110 Earth and Environment: Terrestrial Ecosystems to be included as a level 1 Science unit in the Earth Sciences Foundation Package in the BSc 50110
6. **PROPOSED MINOR AMENDMENT TO MASTER OF PHARMACY RULES** REF: F6294

The Director of the Faculty’s postgraduate Pharmacy program has proposed some minor amendments to the rules for the Master of Pharmacy (51500) by expanding the requirements for entry to include mathematics and changing the wording for the police clearance.

*The Chair recommends that the rules for the Master of Pharmacy be amended by expanding the requirements for entry to include mathematics and changing the wording for the police clearance as shown in Attachment C.*

7. **PROPOSED MINOR AMENDMENT TO RULES FOR UWA GRADUATES ASSOCIATION PRIZE** REF:

The Faculty wishes to propose a minor amendment to the rules for the Convocation, UWA Graduates Association Prize in Anatomy and Human Biology, Biochemistry, Microbiology, Molecular Biology, Pharmacology, Physiology and Soil Science (Level 2) by deleting ‘Soil Science’ from the entry as it is no longer relevant in the determination for the award of the prize.

*The Chair recommends that the rules for the Convocation, UWA Graduates Association Prize in Anatomy and Human Biology, Biochemistry, Microbiology, Molecular Biology, Pharmacology, Physiology and Soil Science (Level 2) be amended by deleting ‘Soil Science’ from the rule as shown in Attachment D.*

**PART III**

(Items for discussion and Decision)

8. **ENGLISH LANGUAGE COMPETENCE REQUIREMENT** REF: F6294

The Faculty of Law found that the English requirements for entry to Postgraduate Law courses differed from that specified for undergraduate Law courses. It has now resolved to increase the undergraduate requirement to an overall IELTS score of 7.0 with no individual band below 7.0. Some concerns have been expressed within the Faculty that some International students who have satisfied the English Language Competence requirement of an overall score of 6.5 with no individual band below 6.0, still struggle with English and this has a negative impact on their studies. There have been some suggestions that consideration be given to raising the English Competence Requirement for both postgraduate and undergraduate students.

*For discussion.*

9. **PROPOSED INTRODUCTION OF MASTER OF SCIENCE [FOOD SAFETY AND QUALITY] (51XXX)** REF:

Professor Garry Lee from the Centre for Forensic Science wishes to propose a two-year Master of Science by coursework and dissertation in Food Safety and Quality. This is an interdisciplinary/faculty collaborative course with core units offered by schools across various faculties. The rationale for the proposal is to address the increasing skill shortage in the area of food safety. The course is intended to equip students with advanced food safety training and knowledge of the most up to date technologies which will prepare them for careers in food science, food engineering, food safety and monitoring in the food industry and in government.

Professor Lee advises that discussions are underway to have the Master of Food Science accredited or recognised by the Australian Institute of Food Science and Technology (AIFST) and Food Standards Australia and New Zealand (FSANZ). The proposed course will foster new collaborations with Government, Industry, international organizations and institutions in China, Hong Kong, Singapore and Indonesia, which will raise the profile of UWA.
Five new 6-point units will be introduced namely:

- CHEM8XXX Chemistry for Food Science
- CHEM8XXX Chemical & Physical Food Hazards
- MICR8XXX Microbiological Food Hazards
- SCI8XXX Introduction to Food Safety
- SCI8XXX Quality Control and Quality Assurance

A covering letter from Professor Lee, proposed checklists for the new course, checklists for new units and draft rules are attached (Attachment E).

10. PROPOSED CHANGE TO ADMISSION RULES FOR BACHELOR OF EXERCISE REHABILITATION SCIENCE (51150) AND GRADUATE DIPLOMA IN SCIENCE (EXERCISE REHABILITATION (50300) REF: F6294)

The Head of the School of Sport Science, Exercise and Health has proposed that as a consequence of the recent Australian Association of Exercise and Sport Science (AAESS) accreditation process, it has become necessary to amend the Rules for the Bachelor of Exercise Rehabilitation Science and the Graduate Diploma in Science (Exercise Rehabilitation) to add HMES3385 Exercise Science and Disability, to the prerequisite units for entry to the two courses. This is because AAESS recognises the lack of knowledge in dealing with problems associated with motor control and learning covered in HMES3385 as a deficiency for students who do not take this unit. The proposed rule change is to come into effect in 2010. The current group of students have all been informed of the change and will have the opportunity to change their enrolment in Semester 2 of this year.

A covering letter from the Head of School and amended rules for the Bachelor of Exercise Rehabilitation Science and the Graduate Diploma in Science (Exercise Rehabilitation) are attached (Attachment F).

11. PROPOSAL OF JOINT COURSE - GRADUATE DIPLOMA IN SPORT AND RECREATION MANAGEMENT WITH BUSINESS SCHOOL REF:

The School of Sport Science, Exercise and Health in conjunction with the Business School at UWA wish to propose the Graduate Diploma in Sport and Recreation Management. The proposed course will focus on developing students’ knowledge and skills in management and marketing within the sport and recreation industry and enhance inter-school and faculty collaborations. The course will utilize existing units from the Master of Science and Master of Commerce offerings.

A new unit will be introduced i.e. SSEH7677 Sport and Recreation Marketing. The unit will introduce students to marketing practices for service businesses in sport and recreation. It is intended to make this unit available in 2010, to students enrolled in the two-year Master of Science (Human Movement).

The School has also proposed another new unit, SSEH7687 Physical Ergonomics, to be offered in the Graduate Diploma in Occupational Safety and Health (proposed for 2011). The School also intends for this unit to be available in 2010 to students enrolled in the two-year Master of Science (Human Movement).

A covering letter from the School, new course proposal, unit checklists and draft rules for the proposed course are attached (Attachment G).

12. PROPOSED CHANGES TO MASTER OF SCIENCE (HUMAN MOVEMENT) BY COURSEWORK (52510) RULES REF:

The School of Sport Science, Exercise and Health has advised that the School is encountering significant difficulties providing coursework units to cover the minimum credit points required for the two-year Master of Science (Human Movement Movement) by coursework. Students enrolled in this course are mainly international students who do not have adequate background in all of the sub-discipline areas to undertake and pass graduate units successfully. To address this problem, the School has proposed that the rules for this course be amended to increase the number of special topic units from two to six to cater for this group of students.
The School has also requested to amend the rules for the Master of Science (Human Movement Movement) by coursework, to allow students to take up to four units outside of the School. This will enable students wishing to specialise in a cognitive area (i.e. Psychology), to take relevant units in other schools.

A covering letter from the Head of School and amended rules for the Master of Science (Human Movement Movement) are attached (Attachment H).

13. PROPOSED CHANGES TO RULES FOR GRADUATE CERTIFICATE IN FORENSIC SCIENCE (51220), MASTER OF FORENSIC SCIENCE (COURSEWORK AND DISSERTATION) (51520) AND INTRODUCTION OF NEW UNIT: FORENSIC SCIENCE DISSERTATION (ODONTOLOGY) REF: F6294

The Acting Director of the Centre For Forensic Science has advised that following a recent internal review of its courses, it has become necessary to make a number of amendments to its course offerings and individual unit rules. Proposed amendments are as follows with effect from 2010:

(i) Graduate Certificate in Forensic Science — currently students are required to take 12 points of core units and 12 points optional units. The proposed change is for students to take only 6 points core units and 18 points optional units.

(ii) Master of Forensic Science (coursework and dissertation) — the Centre advises that currently, students are required to take a 24 point dissertation unit as well as a 12-point case study unit with the additional 12 points to come from Level 2 instead of Level 3. It is necessary to amend the rules to incorporate the changes as follows:

- **9.6.37.5(1) (e)** the following units:
  - FN MSC8646 Forensic Science Dissertation Part 1 (12 points)
  - FN MSC8644 Forensic Science Dissertation Part 2 (12 points)
  - FN MSC8604 Case Study Part 1 (6 points)
  - FN MSC8605 Case Study Part 2 (6 points)
  
  and

(f) units of Level 3.2 or higher to a value of 24 points chosen in consultation with the Director of Forensic Science from the unit offerings of the Faculties of Life and Physical Sciences, Natural and Agricultural Sciences, Law, or the UWA Business School;

and

- deletion of the Forensic Anthropology program rules from the course as this program is only available to students enrolled in the Master of Forensic Science (Research) (50770)

The Centre for Forensic Science has also advised that due to an administrative oversight, students enrolled in the odontology program are currently only able to enrol in the standard (non-specialist) dissertation units — FN MSC8644 and FN MSC8646. To rectify this, the Centre wishes to propose a new 24-point unit — FN MSC86XX Forensic Science dissertation (Odontology) for these students. The new unit is designed to provide students with practical experience in independent scientific study relevant to forensic odontology.

A covering letter from the Acting Director of the Centre, new unit checklist and amended rules for the Master of Forensic Science are attached (Attachment I).

14. PROPOSED CHANGES TO THE GRADUATE DIPLOMA IN SCIENCE (BIOLOGICAL ARTS) AND THE MASTER OF SCIENCE (BIOLOGICAL ARTS)

The School of Anatomy and Human Biology has requested some changes to the following courses:

a. **Graduate Diploma in Science (Biological Arts) Ref: F6294**

- delete ANHBB8535 SymbioticA Special Topic (6 points) as the unit content fits much better with the MSc (Biological Arts);
• correct accidental changes made (which unintentionally precluded continuing study in the student’s prior area of study), when the course rules were modified in 2008; and

• to request for an independent course code in order to address an anomaly where the unit cost of Graduate Diploma in Science (biological Arts) is more expensive than the Master of Science (Biological Arts). This will involve changing the name of the course which the School will advise at a later date.

b. Master of Science (Biological Arts) Ref: F6294

to correct accidental changes made (which unintentionally precluded continuing study in the student’s prior area of study), when the course rules were modified in 2008

A covering letter from the Head of School and amended rules for the Graduate Diploma in Science (Biological Arts) and the Master of Science (Biological Arts) are attached (Attachment J).

15. PROPOSED AMENDMENT TO RULES FOR DOCTOR OF PSYCHOLOGY (CLINICAL & CLINICAL NEUROPSYCHOLOGY) REF: F6294

The School of Psychology is proposing the following changes to the rules for the Doctor of Psychology (Clinical and Clinical Neuropsychology):

• deletion of PSYC8661 Special Topics and PSYC8665 Topics in Neuropsychology. The School feels that the required unit content for these two units can be covered in other existing components within the course, hence ensuring a more efficient delivery; and

• increasing the Year 3 thesis units (PSYC9902 and PSYC9912) from 24 points to 36 points because of the workload involved for the units.

The rules for the Doctor of Psychology (Clinical and Clinical Neuropsychology) will be amended accordingly to reflect the changes. A covering letter from the Head of School is attached (Attachment K).

16. PROPOSED INTRODUCTION OF COMBINED COURSE – DOCTOR OF PSYCHOLOGY (CLINICAL & CLINICAL NEUROPSYCHOLOGY)/MASTER OF SCIENCE REF:

The School of Psychology is also proposing to combine the Doctor of Psychology (Clinical and Clinical Neuropsychology) with a one-year Master of Science by research (51610). The rationale for the proposal is to provide postgraduate students with a greater choice and to give them the opportunity to obtain a degree by research. Students enrolled in the proposed combined course will be eligible for scholarship funding which will increase its attractiveness.

Checklist for the new combined course and proposed course structures are attached (Attachment L). Draft rules will be tabled at the meeting.

17. OTHER BUSINESS