

**FACULTY MEETING
SCIENCE, ENGINEERING AND TECHNOLOGY**

A Faculty Meeting will be held on **Tuesday 18 October 2005** at 11.00am via video-link from Room H102 in Hobart (located under the Morris Miller Library), Room L023 in Launceston (located in the A Block past Degrees) and Room B119 at Burnie.

AGENDA

1. APOLOGIES

The Dean will receive apologies. Any apologies prior to the meeting should be made to the Faculty Office on extension 2125.

2. MINUTES

The minutes of the meetings held on 29 June 2005, which are available from: <http://www.scieng.utas.edu.au/scieng/committees.asp> will be taken as read and confirmed.

3. PROCEDURAL MATTERS

Members will be invited to raise items for consideration under Other Business.

The Faculty Meeting is an opportunity for collegial discussion and consultation and for Faculty members to raise issues that they believe will affect the well being of the Faculty.

4. BUSINESS ARISING FROM THE LAST MEETING

5. DEAN'S REPORT

The Dean will report on matters of interest including:

- 2006 Faculty Budget (pages 3-5)
- 2006 Application Numbers
- Teaching Merit Certificate Nominations close 24 October 2005

6. FACULTY TEACHING & LEARNING COMMITTEE

A function of the Faculty Meeting is to comment on proposals for new courses and for significant amendments to existing courses. The mechanism normally followed for major program initiatives in the Faculty, including new course proposals, requires preliminary consideration and support of proposals at the strategic level prior to the development of full proposals. The steps in the process are:

- July (Getaway) meeting of Faculty Executive Committee - preliminary proposals for introduction in 18 months considered. Consultation with all stakeholders is expected prior to the submission of preliminary proposals to the Faculty Executive.
- If supported, full proposals in accordance with the requirements of the Quality Assurance Manual, are prepared and considered by the FTLC, 12 months prior to introduction.
- Sign off given by Faculty Executive Committee.
- Discussed and noted at Faculty Meeting.

The following new course proposals have been or are in the process of being progressed through the relevant Faculty committees:

1. Graduate Certificate in Science Methodology (pages 6-12)
2. Graduate Certificate/Graduate Diploma of Marine Sciences (pages 13-20)
3. New Honours field in the Bachelor of Biotechnology with Honours (pages 21-26)

7. OTHER BUSINESS

Faculty of Science, Engineering, & Technology

The Faculty will continue to work with other sections of the University to meet the EDGE agenda during 2006. The Faculty faces two major challenges during 2006.

The first is to meet the challenging enrolment targets given the smaller year 12-cohort size, the strong employment situation and the small current first year enrolments (pipeline). This is being addressed by aggressive marketing of the Faculty's programs, introduction of new and distinctive programs (eg Marine Science, Regional Resource Management) and efforts to improve retention and maximise returns from existing enrolments (eg the honours year).

The second major challenge is to position the Faculty to maximise the reputational and financial returns from the introduction of the research assessment exercise. This will require strategic planning of the staff profile at the Faculty level as well as operational changes at the School and individual researcher level. Plans for maximising returns have been built into strategic planning fund bids for 2006.

The major strategies identified in the 2006 Faculty Plan and to be pursued through the 2006 budget outcomes are,

1. Continuing to promote the courses offered by the Faculty, particularly new courses in theme areas and other strategic areas with the aim of increasing student load. For example, the BMarSc, BAntStud, BEnvSc and BRegResMgmt.
2. Positioning the Faculty to maximise reputational and financial returns from the RQF and RQI exercises.
3. Improving the quality of Teaching and Learning through targeting initiatives that will maximise returns from performance-based funding of teaching.
4. Identifying, supporting and showcasing key areas of international recognition including CODES, ACROSS, IASOS, Radio-Astronomy, Plant Genetics, Marine Science and Food Safety.
5. Provide financial incentives to schools enrolling Honours and FFPOS undertaking RHD.
6. Conducting and implementing major teaching projects with FEU.
7. Reviewing school profiles on an annual basis as part of the Faculty's planning process, including VRs and strategic new positions.

2006 SCIENCE, ENGINEERING and TECHNOLOGY BUDGET ALLOCATION

SCHOOL/ RESEARCH CENTRE	INITIAL BUDGET ALLOCATION	UNIVERSITY ADJUSTMENT FUNDS (SPF)	FINAL BUDGET ALLOCATION
AGRICULTURAL SCIENCE/TIAR	3,138,000		3,138,000
AQUACULTURE/TAFI	1,460,000	150,000	1,610,000
ARCHITECTURE	1,886,000		1,886,000
CHEMISTRY/ACROSS	2,150,000		2,150,000
COMPUTING	2,766,000	50,000	2,816,000
EARTH SCIENCES/CODES	1,915,000	150,000	2,065,000
ENGINEERING	3,318,000		3,318,000
GEOGRAPHY & ENVIRONMENTAL STUDIES	2,865,000	50,000	2,915,000
MATHEMATICS & PHYSICS	2,562,000		2,562,000
PLANT SCIENCE	1,731,000		1,731,000
PSYCHOLOGY	2,848,000		2,848,000
MRL/TAFI	1,055,000		1,055,000
ZOOLOGY/TAFI	1,906,000		1,906,000
FACULTY OFFICE	662,000		662,000
EARMARKED FUNDS	2,605,000		2,609,000

2006 SET EARMARKED FUNDS

EARMARKED FUNDS	000's
Equipment & Minor Works	800
Study Leave	34
Establishment Grants, Academic Promotions, staff reprofiling	400
EO Scholarship/Career advancement	15
Domestic and International Marketing	200
Cross Campus Schools	30
CCC Enrolments	20
Academic administration and Research support	160
BSc/BTeach Scholarships (subject to co-sharing)	25
Exam Administration	160
CRC Funds etc	615
Strategic Reserve	80
Insurance Premiums	70
	\$2,609

New Course Proposal Template

Faculty: Faculty of Science, Engineering and Technology

School: Multi-disciplinary

1. Proposed name of course

Graduate Certificate in Science Methodology

2. Proposed abbreviation of course name

GradCertSciMeth

3. Field of study/subject area

- 01 Natural and Physical Sciences
- 05 Agriculture, Environmental and Related Studies
- 0201 Computer Science
- 0907 Behavioural Science

4. Proposed year and semester of introduction

2005, Semester 3

5. School(s) which will teach the course

Agricultural Science
Aquaculture
Chemistry
Computing
Earth Sciences
Geography & Environmental Science (including Geomatics)
Mathematics & Physics (including IASOS)
Plant Science
Psychology
Zoology

6. Campus(es) on which course will be taught

Hobart, Launceston and Cradle Coast Campuses

7. Course Advisory Committee

This is a stand alone Graduate Certificate. Advice and input for the monitoring and development of the Graduate Certificate will be taken from Honours co-ordinators and Heads of Schools.

8. Reason(s) for seeking to introduce the course

The proposed Graduate Certificate in Science Methodology has been designed specifically for science-based graduates who wish to improve their research capabilities. The program is specifically aimed at students wishing to proceed to Honours programs.

The Graduate Certificate will also provide an avenue for able science students who may not be convinced that research is the direction that they want to take to test out their research skills and gain the confidence to proceed to Honours.

The development of the Graduate Certificate supports the EDGE agenda by providing pathways that lead to honours and RHD study. Continued strong honours and RHD enrolments is extremely important to the Faculty of Science, Engineering and Technology and this is one strategy that will help to increase load in this area.

9. Educational objectives of the course

This Graduate Certificate specifically aims to equip students with discipline specific research knowledge, skills, competencies and awareness in preparation for further studies particularly at the Honours level.

While the purpose of an honours degree is normally to train students in the use of research methodology and techniques, the objective of the Graduate Certificate is to prepare students for the transition to Honours giving them self-assurance of their ability to critically evaluate the literature in their field of study, as well as the ability to conceive, design, implement and evaluate research proposals.

10. Length of course and maximum time for completion

The Graduate Certificate will normally be offered on a one-semester, full-time basis. Provision, however, will also be made for students wishing to complete the Graduate Certificate on a part-time basis i.e. over a two-semester period.

11. Teaching mode/delivery

Full-time or part-time, mostly internal, research-oriented

The Graduate Certificate will mainly involve one on one direction. With support from an appointed supervisor, students will be required to formulate their own research proposal including aims, developing hypotheses, methodologies and potential outcomes.

12. Course structure

The Graduate Certificate will comprise a single 50% unit (equivalent to 4, 12.5% units) or 2, 25% units taken consecutively by part-time students.

Each School will develop their own unit outline.

13. Generic attributes

Graduate Certificate candidates will be given the opportunity to build-up their research potential, develop a solid grounding in research methodology and enhance their skills of problem identification and problem-solving, and their ability to develop and present solutions.

The generic attributes that will be developed, include

Knowledge: will be facilitated via lectures, seminars, tutorials, literature reviews and exposure to current issues.

Literacy skills: the literacy skills needed to complete a research-based degree will be developed during the course.

Communication skills: the course will be evaluated using a number of tools addressing communication skills, both written and oral. These include a written review, a research proposal and seminar presentation.

Problem-solving skills: problem-solving skills will be developed during the course. These include tutorials, laboratory activities and field work where appropriate.

Global perspective: students will be required to review current research literature and attend seminars that will provide exposure to local and global research issues.

Social responsibility: fundamental to the course will be consideration of the social and ethical issue relevant to undertaking research.

14. Admission requirements

An undergraduate degree with a major (or the equivalent there of) directly related to the nominated discipline of the Graduate Certificate. This will be judged against the criterion used for entry into Honours. Admission will also be subject to the availability of appropriate supervision being available.

15. Articulation with other courses

All one-year, stand alone science Honours programs.

16. Other related courses offered by this University

Not applicable.

17. Anticipated professional recognition

Not applicable.

18. Mechanism for monitoring/evaluating the course

The existing quality assurance and review procedures used by the Faculty of Science, Engineering and Technology will apply, such as SETL evaluations, annual course reports and course reviews.

Direct feedback from Honours coordinators and Heads of Schools will be sought on an annual basis.

19. Attachments

- A Unit descriptions
- B Course specifications and schedules
- C Staff qualifications and teaching/supervision responsibilities

D Statement of Resource Impact (To be forwarded to Planning and Resources Committee for approval).

Faculty: Faculty of Science, Engineering and Technology

Award Title: Graduate Certificate in Science Methodology

Award Abbreviation: GradCertSciMeth

Course Code: S5

Specifications

Award name and title

1. The award will be called Graduate Certificate in Science Methodology with the abbreviation GradCertSciMeth.

Validity

2. These specifications shall take effect on 1 January 2006 and shall apply to all candidates for the award, including those enrolling for the first time in that year and those enrolled subsequently.

Entry

3. The Faculty may accept as a candidate for the award of Graduate Certificate in Science Methodology a person who has qualified for admission to a bachelor degree in any science discipline at the University of Tasmania or holds a degree or other tertiary qualifications deemed by the Faculty to be equivalent for this purpose.

Requirements and duration

4. To qualify for the Graduate Certificate in Science Methodology a candidate shall pass in 50% in accordance with Specification 6, which will be assessed on an Ungraded Pass/Fail basis.
5. Candidates shall complete the degree requirements in not less than one semester of full-time study (or its equivalent) and not more than two years, from the time of first enrolment.

Structure

6. Candidates will need to complete 50% from Schedule A. For full-time candidates this will comprise a single unit and for part-time candidates it will comprise two 25% units taken consecutively.

Terminating passes

7. No Terminating Passes may be counted towards the requirements of the degree.

General

9. Units may be counted toward the award only if they have been taken in accordance with the prerequisites determined by the Faculty of Science, Engineering and Technology unless otherwise approved by the Dean.
10. Where two or more units of the same name or content are offered within the University, only one may be counted towards the award.

11. In every case the candidate's choice of units and the order in which they are taken shall be subject to approval by the Dean in accordance with the requirements of Specification 6.
12. The Faculty may from time to time make amendments to the Schedules of these specifications.

SCHEDULE A

Unit Code *	Unit Title	Full-time	Part-time	%
KLA3xx	<i>Agriculture Research Methodology</i>	Y		50%
KLA3xx	<i>Agriculture Research Methodology</i>		Y	25%
KLA3xx	<i>Microbiology Research Methodology</i>	Y		50%
KLA3xx	<i>Microbiology Research Methodology</i>		Y	25%
KHA390	Research Proposal	Y		50%
KHA391	Research Proposal		Y	25%
KQA390	Aquaculture Research Methodology	Y		50%
KQA391	Aquaculture Research Methodology		Y	25%
KPA390	Plant Science Research Methodology	Y		50%
KPA391	Plant Science Research Methodology		Y	25%
KRA390	Chemistry Research Methodology	Y		50%
KRA391	Chemistry Research Methodology		Y	25%
KGA390	Research Methodology	Y		50%
KGA391	Research Methodology		Y	25%
KGG390	Research Methodology	Y		50%
KGG391	Research Methodology		Y	25%
KMA390	Mathematics Research Methodology	Y		50%
KMA391	Mathematics Research Methodology		Y	25%
KYA390	Physics Research Methodology	Y		50%
KYA391	Physics Research Methodology		Y	25%
KSA390	Antarctic Studies Research Methodology	Y		50%
KSA391	Antarctic Studies Research Methodology		Y	25%
KZA390	Zoology Research Methodology	Y		50%
KXA390	Computing Research Methodology	Y		50%
KXA391	Computing Research Methodology		Y	25%
KEA390	Earth Sciences Research Methodology	Y		50%
KEA391	Earth Sciences Research Methodology		Y	25%

* Unit codes will need to be recoded at 500 level.

New Course Proposal Template

Faculty: Faculty of Science, Engineering and Technology

School: Centre for Marine Science

1. Proposed name of course

Graduate Certificate in Marine Sciences
Graduate Diploma in Marine Sciences

2. Proposed abbreviation of course name

GradCertMarSc
GradDipMarSc

3. Field of study/subject area

05 Agriculture, Environmental and Related Studies

4. Proposed year and semester of introduction

2006, Semester 1 (or earlier if possible i.e. Semester 5 or 3, 2005)

5. School(s) which will teach the course

Centre for Marine Science

6. Campus(es) on which course will be taught

Hobart

7. Course Advisory Committee

Advice and input for the monitoring and development of the Graduate Certificate and Graduate Diploma will be taken from the QMS Steering Committee and the Director of the Centre for Marine Science.

8. Reason(s) for seeking to introduce the course

The proposed Graduate Certificate and Graduate Diploma have been designed specifically for students wishing to be employed in the QMS sector. They will also provide an avenue for able science students to become aware of the key issues in marine science and policy development.

The development of the Graduate Certificate and Graduate Diploma supports the EDGE agenda by providing pathways that lead to enhanced outcomes in the marine science theme area. Continued strong honours and RHD enrolments is extremely important to the Faculty of Science, Engineering and Technology and the introduction of the Graduate Certificate and Graduate Diploma is one strategy that will help to increase load in this area.

9. Educational objectives of the course

This Graduate Certificate specifically aims to equip students with discipline specific research knowledge, skills, competencies and awareness in preparation for further studies particularly at the postgraduate level.

Employers are suggesting that marine science graduates, particularly at the postgraduate level require a broad basis of understanding of the key scientific, environment, law and policy issues that relate to the marine environment.

10. Length of course and maximum time for completion

The Graduate Certificate will normally be offered on a one-semester, full-time basis and the Graduate Diploma will normally be offered on a two-semester, full-time basis. Provision, however, will also be made for students wishing to complete the courses on a part-time basis.

11. Teaching mode/delivery

Full-time or part-time, mostly internal block teaching.

12. Course structure

The Graduate Certificate will consist of 4 x 12.5% units while the Graduate Diploma will consist of 8 x 12.5% units.

13. Generic attributes

Graduate Certificate and Graduate Diploma candidates will be given the opportunity to build-up their research potential, develop a solid grounding in the marine science/environment area and enhance their skills of problem identification and problem-solving, and their ability to develop and present solutions.

The generic attributes that will be developed, include

Knowledge: will be facilitated via lectures, seminars, tutorials, literature reviews and exposure to current issues.

Communication skills: the course will be evaluated using a number of tools addressing communication skills, both written and oral. These include a written reports and oral discussions.

Problem-solving skills: problem-solving skills will be developed during the course. These include tutorials, laboratory activities and field-work, as appropriate.

Global perspective: students will be required to review current research literature and attend seminars that will provide exposure to local and global research issues relating to the marine environment.

Social responsibility: fundamental to the course will be consideration of the social and ethical issues pertaining to the marine environment.

14. Admission requirements

An undergraduate degree with a major (or the equivalent there of) directly related to the marine environment.

15. Articulation with other courses

The proposed Graduate Certificate will articulate with the proposed Graduate Diploma.

16. Other related courses offered by this University

Not applicable.

17. Anticipated professional recognition

Not applicable.

18. Mechanism for monitoring/evaluating the course

The existing quality assurance and review procedures used by the Faculty of Science, Engineering and Technology will apply, such as SETL evaluations, annual course reports and course reviews.

19. Attachments

- A Unit descriptions
- B Course specifications and schedules
- C Staff qualifications and teaching/supervision responsibilities
- D Statement of Resource Impact (To be forwarded to Planning and Resources Committee for approval).

Faculty:	Faculty of Science, Engineering and Technology
Award Title:	Graduate Certificate in Marine Sciences
Award Abbreviation:	GradCertMarSc
Course Code:	S5

Specifications

Award name and title

1. The award will be called Graduate Certificate in Marine Sciences with the abbreviation GradCertMarSc.

Validity

2. These specifications shall take effect on 1 January 2006 (or earlier, if appropriate) and shall apply to all candidates for the award, including those enrolling for the first time in that year and those enrolled subsequently.

Entry

3. The Faculty may accept as a candidate for the award of Graduate Certificate in Marine Science a person who has qualified for admission to a bachelor degree in a related science discipline at the University of Tasmania or holds a degree or other tertiary qualifications deemed by the Faculty to be equivalent for this purpose.

Requirements and duration

4. To qualify for the Graduate Certificate in Marine Sciences, a candidate shall pass four units totalling 50% in accordance with Specification 6.
5. Candidates shall complete the degree requirements in not less than one semester of full-time study (or its equivalent) and not more than two years, from the time of first enrolment.

Structure

6. Candidates will select and complete four 12.5% units from Schedule A.

Terminating passes

7. No Terminating Passes may be counted towards the requirements of the degree.

General

9. Units may be counted toward the award only if they have been taken in accordance with the prerequisites determined by the Faculty of Science, Engineering and Technology unless otherwise approved by the Dean.
10. Where two or more units of the same name or content are offered within the University, only one may be counted towards the award.

11. In every case the candidate's choice of units and the order in which they are taken shall be subject to approval by the Dean in accordance with the requirements of Specification 6.
12. The Faculty may from time to time make amendments to the Schedules of these specifications.

SCHEDULE A

Unit Code	Unit Title	%
QMS5xx	Introduction to Quantitative Marine Science and QMS Skills	12.5%
3 from:		
QMS5xx	Physical Oceanography	12.5%
QMS5xx	Marine Biogeochemistry	12.5%
QMS5xx	Fisheries Science	12.5%
QMS5xx	Structure and Function of Marine Ecosystems	12.5%
Alternatively, one 12.5% unit (200/300/400 level unit) may be selected that complements the candidate's previous undergraduate training (as approved by the course coordinator).		

Faculty:	Faculty of Science, Engineering and Technology
Award Title:	Graduate Diploma in Marine Sciences
Award Abbreviation:	GradDipMarSc
Course Code:	S5

Specifications

Award name and title

1. The award will be called Graduate Diploma in Marine Sciences with the abbreviation GradDipMarSc.

Validity

2. These specifications shall take effect on 1 January 2006 (or earlier, if appropriate) and shall apply to all candidates for the award, including those enrolling for the first time in that year and those enrolled subsequently.

Entry

3. The Faculty may accept as a candidate for the award of Graduate Diploma in Marine Sciences a person who has qualified for admission to a bachelor degree in a related science discipline at the University of Tasmania or holds a degree or other tertiary qualifications deemed by the Faculty to be equivalent for this purpose.

Requirements and duration

4. To qualify for the Graduate Diploma in Marine Sciences, a candidate shall pass eight units totalling 100% in accordance with Specification 6.
5. Candidates shall complete the degree requirements in not less than one semester of full-time study (or its equivalent) and not more than three years, from the time of first enrolment.

Structure

6. Candidates will select and complete eight 12.5% units from Schedule A.

Terminating passes

8. No Terminating Passes may be counted towards the requirements of the degree.

General

9. Units may be counted toward the award only if they have been taken in accordance with the prerequisites determined by the Faculty of Science, Engineering and Technology unless otherwise approved by the Dean.
10. Where two or more units of the same name or content are offered within the University, only one may be counted towards the award.

11. In every case the candidate's choice of units and the order in which they are taken shall be subject to approval by the Dean in accordance with the requirements of Specification 6.
12. The Faculty may from time to time make amendments to the Schedules of these specifications.

SCHEDULE A

Unit Code	Unit Title	%
QMS5xx	Introduction to Quantitative Marine Science and QMS Skills	12.5%
QMS5xx	Physical Oceanography	12.5%
QMS5xx	Marine Biogeochemistry	12.5%
QMS5xx	Fisheries Science	12.5%
QMS5xx	Structure and Function of Marine Ecosystems	12.5%
QMS5xx	Techniques in Remote Sensing and GIS	12.5%
QMS5xx	Management Strategy Evaluation and Risk Assessment	12.5%
Up to two 12.5% units (200/300/400 level) may be selected that complements the candidate's previous undergraduate training (as approved by the course coordinator).		

Significant Amendments to Courses

1. Name of course to which amendments are proposed

Bachelor of Biotechnology with Honours (S4V).

2. Description of the proposed amendments

This amendment will add the research areas of the Menzies Research Institute to the disciplines in which students can undertake Honours study in Biotechnology.

3. Reason(s) for seeking to introduce the proposed amendments

The EDGE agenda has set ambitious targets to increase the number of Honours and research higher degree (RHD) students at UTAS. The Menzies Research Institute is supportive of this agenda and has placed a priority on the achievement of significant growth in the number of RHD students enrolled at the Institute and the introduction of a small intake of Honours students.

At the present, there are no recognised streams at the Honours level in the research areas of the Institute. This will be somewhat overcome when the Honours year of the BMedRes is introduced, however the Institute receives interest from students currently studying other undergraduate courses, including the BBiotech, who are qualified to complete an Honours year at the Menzies Research Institute.

To overcome this shortcoming, the Menzies Research Institute would like to offer an Honours discipline in the BBiotech(Hons) to encompass the research areas of the Institute relevant to biotechnology.

4. Proposed year and semester of introduction

2006, Semester 1.

5. School(s) which will teach the amended course

Menzies Research Institute

6. Campus(s) on which the amended course will be taught

Hobart (city campuses)

7. Course advisory committee

The existing BBiotech(Hons) advisory committee.

8. Education objectives of the amended course

This course specifically aims to equip students with the knowledge, skills, competencies and awareness in preparation for employment in industry and research organisations working in the expanding biotechnology sector as well as for research in higher degrees.

9. Length of Course and maximum time for completion

One year full-time or 2 years part-time (maximum).

10. Teaching Mode (eg internal or by distance education/part-time of full time, flexible delivery, etc)

Full-time or part-time, mostly internal, research-oriented.

11. Course Structure

The BBiotech(Hons) structure is similar to that of the BSc(Hons), in that individual schools/disciplines have existing Honours units that make up 100%. Structures vary according to the requirements of the particular school/discipline. To unify students within the BBiotech(Hons), students will be required to attend a series of seminars, pertaining to biotechnology, as determined by the course co-ordinator. Students can research a biotechnology related topic in these existing units, however new unit codes and outlines are being introduced to reflect that the students are enrolled in the BBiotech(Hons).

To successfully complete the BBiotech(Hons), students must successfully complete:

Biotechnology Honours in Population Health (CEA400 or CEA401). The Unit title is to be confirmed with the Menzies Research Institute.

A new unit outline is contained in **Appendix A**.

Following is a statement on the course structure for inclusion in the handbook:

Each candidate will conduct research and write a thesis. The subject of this thesis requires approval from the Degree Coordinator. In addition, candidates MAY BE required to study and pass either advanced level units, or a maximum of 12.5% of undergraduate units with extra assessment requirements, and/or undertake other activities, which may include the preparation of literature reviews, projects, reports, grant applications, position papers and seminars. Students should refer to the School entries in the 'Unit details' section for more information.

Generic attributes

- knowledge: will be facilitated via research-based activities, literature reviews, student presentations and exposure to current issues in biotechnology.
- communication skills: individual components in the course are evaluated using a number of tools addressing communication skills, both written and oral. These include a research thesis, oral student presentations and other activities as determined appropriate by an individual school/discipline.
- problem-solving skills: problem-solving skills will be obtained via a number of activities undertaken during the course. These include laboratory experiments, student presentations and other activities as determined appropriate by an individual school/discipline.
- global perspective: the techniques in the course address technologies that are utilised in Australia and overseas. The seminar series will provide students with an understanding of the global implications of biotechnology.
- social responsibility: the course provides scientific facts and an understanding of specific technologies relating to biotechnology. The seminar series will provide students with an understanding of the social and ethical issue pertaining to the use of various biotechnologies.

12. Admission Requirements

Candidates for the degree of Bachelor of Biotechnology with Honours require the approval of Faculty and shall have qualified for admission to the degree of Bachelor of Biotechnology at this University or equivalent qualification at another approved tertiary institution. Candidates would normally be expected to obtain at least a credit average in their third year units.

Candidature is subject to appropriate supervision being available for the thesis topic approved by the Faculty and subject to satisfying the prerequisites required for the chosen field of study.

13. Articulation with other courses

Ordinary degrees in biotechnology from other universities will be accepted for entry.

14. Other related courses offered by this University

The BBiotech(Hons) in Population Health will be similar to the BMedRes(Hons) in Epidemiology.

15. Anticipated professional recognition (if relevant)

Not relevant.

16. Specific ways in which the amendments will be monitored and their success evaluated.

The existing quality assurance and review processes that operate at the University of Tasmania will apply. These include SETL evaluations, annual course reports and course reviews. In addition, the Course Advisory Committee will monitor and evaluate the course.

17. Attachments

A. Unit description

A new unit outline is attached.

B. Course specifications and schedules

This proposal will have no impact on the currently approved course specifications, which are attached at Attachment B.

C. Staff qualifications and teaching/supervision responsibilities

The qualifications of staff who could supervise Honours students in the course are included at Attachment C.

D. Statement of Resource Impact (to be forwarded to Planning and Resources Committee for approval)

The proposal to add the research areas of the Menzies Research Institute to the disciplines available to BBiotech(Hons) students is low impact, and the Statement of Resource Impact submitted with the BBiotech(Hons) new course proposal in 2004 applies. This impact statement is not attached.

ATTACHMENT A – UNIT OUTLINE

New units will be introduced by schools/disciplines wanting to offer a BBiotech(Hons) unit in their school/discipline. Details of a new unit follow.

FACULTY OF SCIENCE, ENGINEERING & TECHNOLOGY

School:	Menzies Research Institute		
Unit title:	Biotechnology Honours in Population Health (To be confirmed)		
Unit code:	CEA400/CEA401	Unit weight (%):	100 (full time)/50 (part time)
Semester:	1 & 2	Campus:	Hobart (city)
Mode (internal, external etc):	Internal		
Courses in which the unit is taught:	S4V – BBiotech(Hons)		
State how the unit fits within each course: Compulsory unit for students wishing to study a topic in the BBiotech(Hons) relevant to the research areas of the Menzies Research Institute.			
Unit description: Special note: Open only to BBiotech(Hons) students The program will enable students to develop the ability to plan and carry out a research project in population health, and to improve their skills in critically reading the literature and communicating effectively in the discipline. The program consists of a major research project leading to a thesis, a research proposal, a literature review and a seminar.			
Assessment: Literature review 10%; research proposal 10%; thesis 80%; final seminar 0% (pass/fail). There are no written exams or lectures, but students are expected to attend seminars organised for BBiotech(Hons) students and weekly seminars at the Menzies Research Institute.			
Lecture hours per week:	NA	Total lecture hours:	NA
Tutorial hours per week:	NA	Total tutorial hours:	NA
Practical hours per week:	NA	Total practical hours:	NA
		Field work days:	NA
Prerequisites:	Completion of BBiotech with credit average in third year		
Corequisites:	Nil		
Mutual exclusions:	N/A		
Teaching staff: Dr Leigh Blizzard (coordinator) and staff of the Menzies Research Institute.			
Required texts etc: NA			
Recommended texts/readings: NA			
Additional information/special needs: NA			

ATTACHMENT B – COURSE SPECIFICATIONS AND SCHEDULES

The course schedule is detailed at Item 12. Specifications follow.

SPECIFICATIONS

Bachelor of Biotechnology with Honours [BBiotech(Hons)]

Course code: S4V

1. In these specifications 'Faculty' means the Faculty of Science, Engineering and Technology.

Entry

2. Candidates for the degree of Bachelor of Biotechnology with Honours require the approval of Faculty and shall have qualified for admission to the degree of Bachelor of Biotechnology at this University or equivalent qualification at another approved tertiary institution.
3. Candidature is subject to appropriate supervision being available for the thesis topic approved by the Faculty and subject to satisfying the prerequisites required for the chosen field of study.

Course structure

4. A candidate for the degree of Bachelor of Biotechnology with Honours must submit a thesis on work undertaken as part of the Honours course. The requirements for the degree may also include examinations or other assessments as prescribed by the Faculty.
5. Candidates shall complete the requirements for the course within a specified period provided that the maximum period shall not exceed 12 months from the date of commencement for full-time students or 24 months from the date of commencement for part-time students.
6. The Dean may grant an extension of time to a candidate who has been prevented by illness or other serious cause from completing the requirements of the course within the period prescribed in these specifications.

Miscellaneous

7. The classes of honours shall be First Class, Second Class and Third Class. There shall be an upper and lower division in Second Class.
8. These specifications shall take effect on 1 January 2005 and shall apply to all candidates for the degree, including those enrolling for the first time in that year and those enrolled subsequently.
9. The approved abbreviation for the degree of Bachelor of Biotechnology with Honours shall be BBiotech(Hons).

ATTACHMENT C – STAFF QUALIFICATIONS AND TEACHING/SUPERVISION RESPONSIBILITIES

The following staff may supervise students in the BBiotech(Hons):

Staff Member	Qualifications	Appointment
Dr Leigh Blizzard	BSc BEc(Hons) MEd PhD	Head of Biostatistics Unit
Dr Joanne Dickinson	BSc(Hons) PhD	Acting Head of Genetic Epidemiology Unit
Dr Chang-Hai Ding	MBBS MMedSc MD	Research Fellow
Dr Wendyl D'Souza	MChB MPH FRACP	Research Fellow
Professor Simon Foote	BMed Sci MBBS PhD	Director
Dr Robert Granger	BA DrPH	Coordinator of World Health Organisation Collaborating Centre
Dr Kristen Hynes	BSc(Hons) PhD	Research Fellow
Professor Graeme Jones	MBBS MMedSc MD FRACP FAFPHM	Head of Musculoskeletal Unit
Dr James McKay	BSc(Hons) PhD	Research Fellow
Dr Briony Patterson	BSc(Hons) PhD	Junior Research Fellow
Associate Professor Anne-Louise Ponsonby	BMedSc MBBS PhD FAFPHM	Head of Immune Disorders/Neuro epidemiology Unit
Dr Stephen Quinn	BMaths DipEd MMath PhD	Junior Research Fellow
Dr Michael Schmidt	MSc PhD	Research Fellow
Dr Velandai Srikanth	MBBS PhD FRACP	Research Fellow
Dr Russell Thomson	BSc(Hons) PhD	Junior Research Fellow
Dr Ingrid van der Mei	MSc PhD	Research Fellow
Associate Professor Alison Venn	BSc(Hons) PhD GradDipEpid	Deputy Director