GRIFFITH UNIVERSITY

GRIFFITH SCIENCES GROUP BOARD

AGENDA 1/2015

A meeting of the Griffith Sciences Group Board will be held at 10.00am on Friday 20 March in Room 2.02, Council Chamber, The Chancellery (G34), Gold Coast campus.

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## GRIFFITH UNIVERSITY

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<tr>
<td>Professor Sushila Chang</td>
<td>ex officio (Chair)</td>
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<tr>
<td>Dean, Academic (Griffith Sciences)</td>
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<tr>
<td>Professor Debra Henly</td>
<td>ex officio</td>
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<tr>
<td>Pro Vice Chancellor (Griffith Sciences)</td>
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<tr>
<td>Professor David Lambert</td>
<td>ex officio</td>
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<tr>
<td>Dean, Research (Griffith Sciences)</td>
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<tr>
<td>Professor Richard John</td>
<td>ex officio</td>
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<tr>
<td>Dean, Learning &amp; Teaching (Griffith Sciences)</td>
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<tr>
<td>Professor Geoff Tansley</td>
<td>ex officio</td>
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<tr>
<td>Head, Griffith School of Engineering</td>
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<tr>
<td>Professor Michael Blumenstein</td>
<td>ex officio</td>
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<tr>
<td>Head, School of Information &amp; Communication Technology</td>
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<tr>
<td>Professor Chris Frid</td>
<td>ex officio</td>
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<tr>
<td>Head, Griffith School of Environment</td>
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<tr>
<td>Professor Robert Sang</td>
<td>ex officio</td>
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<tr>
<td>Head, School of Biomolecular &amp; Physical Sciences</td>
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<tr>
<td>Assoc Prof Bela Stantic/ Assoc Prof Vallipuram Muthukkumarasamy</td>
<td>appointed</td>
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<tr>
<td>Deputy Head, School of Information &amp; Communication Technology</td>
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<tr>
<td>Associate Professor Fran Sheldon</td>
<td>appointed</td>
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<tr>
<td>Deputy Head, Griffith School of Environment</td>
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<tr>
<td>Associate Professor Kathryn Tonissen/ Dr Jeremy Brownlie/Associate</td>
<td>appointed</td>
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<tr>
<td>Professor Ann McDonnell</td>
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<tr>
<td>Deputy Head, School of Biomolecular &amp; Physical Sciences</td>
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<tr>
<td>Professor Charles Lemcker/ Associate Professor Steven O’Keefe/ Dr Andrew</td>
<td>invited</td>
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<td>Seagar/ Professor Botu Yu/ Professor Andreas Oechsner</td>
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<td>Heads of Discipline, Griffith School of Engineering</td>
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<td>Dr Graham Jenkins</td>
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<td>Deputy Head (Learning and Teaching)</td>
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<tr>
<td>Dr Erwin Oh</td>
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<tr>
<td>Deputy Head/Assoc Dean (International)</td>
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<tr>
<td>Professor Stuart Bunn</td>
<td>invited</td>
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<td>Director, Australian Rivers Institute</td>
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<td>Professor Ron Quinn</td>
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<tr>
<td>Director, Eskitis Institute for Cell and Molecular Therapies</td>
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<tr>
<td>Professor Abdul Sattar</td>
<td>invited</td>
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<tr>
<td>Director, Institute for Integrated and Intelligent Systems</td>
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<tr>
<td>Professor Mark von Itzstein</td>
<td>Invited</td>
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<td>Director, Institute for Glycomics</td>
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<tr>
<td>Professor Zhihong Xu</td>
<td>invited</td>
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<tr>
<td>Director, Environmental Futures Research Institute</td>
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<tr>
<td>Dr Rene Hexel</td>
<td>invited</td>
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<tr>
<td>PVC’s appointed member to Programs Committee</td>
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<tr>
<td>Mr Vince Lalor</td>
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<td>Acting Group Resource Manager (Griffith Sciences)</td>
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<tr>
<td>Ms Glenda Graham</td>
<td>invited</td>
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<tr>
<td>Human Resource Manager (Griffith Sciences)</td>
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<tr>
<td>Ms Bernadette Walsh</td>
<td>invited</td>
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<tr>
<td>Executive Officer to the PVC (Griffith Sciences)</td>
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<tr>
<td>Mr Stephen Boyd</td>
<td>invited</td>
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<tr>
<td>Mr George Klich</td>
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<tr>
<td>Technical and Logistics Managers, Technical Services (Griffith Sciences)</td>
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<tr>
<td>Ms Kirsten Johnston</td>
<td>invited</td>
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www.griffith.edu.au/committees
Marketing Manager (Griffith Sciences) invited
Ms Natalie Dickson
Senior HR Adviser (Griffith Sciences) invited
Ms Lucy Butler
Library Services Manager, Griffith Sciences invited
Professor Allan Cripps
Pro Vice Chancellor (Health Group) invited
Professor Nick Buys
Dean, Learning & Teaching (Health Group) invited
Representative of the Directors of the Group Research Centres vacant
GRiffith Sciences Group Board Agenda 1/2015
Friday 20 March 2015

GRiffith University
GRiffith Sciences Group Board
AGENDA 1/2015

A meeting of the Griffith Sciences Group Board will be held at 10.00am on Friday 20 March in Room 2.02, Council Chamber, The Chancellery (G34), Gold Coast campus.

AGENDA

1.0 APOLOGIES

Apologies may be recorded by contacting Kim Hillier, x 57792, or by emailing K.Hillier@griffith.edu.au.

Apologies have been received from:

Professor Michael Blumenstein - Associate Professor Bela Stantic and Associate Professor Vallipuram Muthukumarasamy will attend the meeting.

Professor Robert Sang – Dr Gui Lohmann will attend the meeting.

Dr Jeremy Brownlie
Associate Professor Kathryn Tonissen
Associate Professor Ann McDonnell

2.0 DECLARATION OF INTERESTS

2.1 Members are required to identify any conflict of interest, as outlined in the University policies on Conflict of Interest and Personal Relationships in the Workplace, which may exist in respect of any of the items on the agenda. When an interest has been declared, the Chair may resolve that the member:

- leaves the meeting while the item of business is discussed; or
- participates in the discussion but withdraws from the meeting before the vote and/or decision; or
- stays but does not participate in either the debate or vote/decision; or
- stays with full debating and voting/decision rights.

2.2 All declarations of interest will be recorded in the minutes, together with any ensuing action.

3.0 CONFIRMATION OF MINUTES

The minutes of the 7/2014 (21 November) meetings of the Griffith Sciences Group Board are attached. To be taken as read and confirmed.

4.0 MATTERS ARISING FROM THE 7/2014 (21 NOVEMBER) MINUTES

Heads of Elements, to follow up with staff to ensure that Conflict of Interest Disclosure Statements are completed where required.

Head of School, Griffith Engineering to review possibilities for providing content on site remediation in the Master of Environmental Engineering and Pollution Control (5468) and resubmit a program proposal to the Dean (Learning and Teaching) if required.

5.0 MEMBERSHIP
The Board will wish to welcome the following members:

Professor Chris Frid – Head, Griffith School of Environment
Mr Vince Lalor – Acting Group Resource Manager
Ms Lucy Butler - Library and Learning Services Manager (Griffith Sciences)

The Board will wish to acknowledge the valuable contributions of Professor Hamish McCallum and Ms Julie Toohey during their terms of membership.

6.0 PVC REPORT
The Pro Vice Chancellor (Griffith Sciences) will report on matters of interest to the Board.

7.0 CHAIR’S REPORT
The Dean (Academic) (Griffith Sciences) will report on matters of interest to the Board.

8.0 DEAN (LEARNING & TEACHING) REPORT
The Dean (Learning & Teaching) (Griffith Sciences) will report on matters of interest to the Board.

9.0 DEAN (RESEARCH) REPORT
The Dean (Research) (Griffith Sciences) will report on items of interest to the Board.

10.0 FINANCE REPORT
The Group Planning and Resource Manager (Griffith Sciences) will report on matters of interest to the Board.

11.0 HUMAN RESOURCE MANAGEMENT REPORT
The HR Manager (Griffith Sciences) will report on matters of interest to the Board.

12.0 EXTERNAL RELATIONS REPORT
The Marketing Manager (Griffith Sciences) will report on matters of interest to the Board.


13.0 WORKPLACE HEALTH & SAFETY REPORT
The Technical Manager, Technical Coordination & Logistics (Griffith Sciences) will report on matters of interest to the Board.


14.0 INFORMATION SERVICES REPORT
The Library and Learning Services Manager (Griffith Sciences) will report on matters of interest to the Board.

ORDERING OF THE AGENDA
At this point in the agenda, members may propose that any matter on the agenda, not included in Section I, be so included.

SECTION I: MATTERS FOR DEBATE AND DECISION  
Nil

SECTION II: MATTERS REQUIRING RATIFICATION OF EXECUTIVE ACTION

15.0 ENG NEW PROGRAM PROPOSAL (2015/6004019)  
5682 MASTER OF CIVIL ENGINEERING/MASTER OF ENGINEERING PROJECT MANAGEMENT

15.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2015/6004019) to introduce a new Master of Civil Engineering/Master of Engineering Project Management (5682) for introduction in semester 2, 2015.

15.2 This 160CP double Masters program combines two existing 120CP Masters programs. The existing Graduate Certificate in Civil Engineering (3301) will be offered as an exit point in the program.

15.3 To be eligible for admission to the Master of Civil Engineering/Master of Engineering Project Management, a student must hold:
- a Bachelor degree in Civil Engineering or equivalent three year or four year Civil Engineering undergraduate degree from a recognised university (or another tertiary education institution of equivalent standing)
- OR a Bachelor Honours degree in Civil Engineering or equivalent four year Civil Engineering undergraduate degree from a recognised university (or another tertiary education institution of equivalent standing)

15.4 The University's standard English language requirements for admission to postgraduate programs apply.

15.5 To be eligible for the award of Master of Civil Engineering/Master of Engineering Project Management (MCivilEngMEngProjMgt), a student must acquire 160 credit points as prescribed below:
- gain 80 credit points for Civil Engineering courses comprising:
  - 30 credit points for List A courses;
  - 50 credit points for List B courses;
- gain 80 credit points for Engineering Project Management courses comprising:
  - 10 credit points for List A courses;
  - 70 credit points for List B courses.

Exit point:  
To be eligible to exit the Master of Civil Engineering/Master of Engineering Project Management program with the Graduate Certificate in Civil Engineering award, a student must acquire 40 credit points for List A courses.

For ratification

16.0 ENG MAJOR CHANGE PROPOSAL (2015/6000403)  
1501 BACHELOR OF ENGINEERING WITH HONOURS IN ELECTRONIC AND COMPUTER ENGINEERING/BACHELOR OF INFORMATION TECHNOLOGY

16.1 On the recommendation of the Dean (Learning and Teaching). (2015/6000403) the Group Board is asked to ratify the attached proposal for changes to the Bachelor of Engineering with Honours in Electronic the Group Board is asked to ratify the
attached proposal and Computer Engineering/Bachelor of Information Technology (1501), for implementation in semester 1, 2015.

16.2 A correction is proposed to the second semester first year course list to align the double degree with the program structure of the single Bachelor of Engineering with Honours in Electronic and Computer Engineering degree. The program structure change results in the following change to degree requirements:

To be eligible for the award of Bachelor of Engineering with Honours in Electronic and Computer Engineering/Bachelor of Information Technology (BEngHons/BInfTech), a student must acquire 400 credit points as prescribed below:
- gain 240 credit points of Engineering courses comprising:
  - 60 credit points at first year level and
  - 180 credit points for later year level courses;
- gain 160 credit points of Information Technology courses comprising:
  - 100 credit points at first year level (including 1303ENG Digital Systems and 1004ENG-1305ENG Engineering Computing and Programming with MATLAB deemed as Information Technology discipline courses) and
  - 60 credit points for later year level courses (including 3004ENG Project Management Principles deemed as an Information Technology discipline course);
- complete a minimum of 12 weeks (60 days) of approved experience in an engineering practice environment (or a satisfactory alternative) during their degree studies.

For ratification

17.0 ENG MAJOR CHANGE PROPOSAL (2014/0004988)
5648 MASTER OF ENVIRONMENTAL ENGINEERING AND POLLUTION CONTROL
5593 MASTER OF ENVIRONMENTAL ENGINEERING

17.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004988) for changes to the Master of Environmental Engineering and Pollution Control (5648) and the Master of Environmental Engineering (5593), for implementation in semester 1, 2015.

17.2 Changes to the admission requirements of the Master of Environmental Engineering and Pollution Control (5648) are proposed to include an admission pathway for students who hold a bachelor degree or bachelor honours degree in an environment related field with at least two years full-time equivalent relevant work experience. This change will align the admission requirements with those of the Master of Environmental Engineering (5593). A minor change to the wording of the admission requirements of the Master of Environmental Engineering (5593) is also proposed.

17.3 To be eligible for admission to the Master of Environmental Engineering and Pollution Control, students must hold:
- a three year Bachelor degree in Engineering from a recognised University (or another tertiary education institution of equivalent standing)
- OR a Bachelor degree or Bachelor Honours degree in an environment-related field from a recognised University (or another tertiary education institution of equivalent standing) with at least two years full-time equivalent relevant work experience
- OR a four year Bachelor degree or Bachelor Honours degree in Engineering from a recognised University (or another tertiary education institution of equivalent standing).
Students admitted to the program with a Bachelor Honours degree in Engineering (or equivalent four year Engineering undergraduate degree) will be eligible for 40 credit points of advanced standing towards the program.

17.4 To be eligible for admission to the *Master of Environmental Engineering*, students must hold:
- a three year bachelor degree in Engineering from a recognised University (or another tertiary education institution of equivalent standing)
- OR a bachelor degree or bachelor Honours degree in an environment-related field from a recognised University (or another tertiary education institution of equivalent standing) with *at least* two years full-time equivalent relevant work experience
- OR a four year bachelor degree or a bachelor Honours degree in Engineering from a recognised University (or another tertiary education institution of equivalent standing) and these students will be eligible for 40 credit points of advanced standing towards the program.

For ratification

18.0 **ENG MAJOR CHANGE PROPOSAL (2014/0004998)**

1310/1311 BACHELOR OF ENGINEERING
1320 BACHELOR OF ENGINEERING WITH ADVANCED STUDIES
1321/1322 BACHELOR OF ENGINEERING/BACHELOR OF SCIENCE

18.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004998) for changes to the Bachelor of Engineering (1310/1311), Bachelor of Engineering with Advanced Studies (1320), and Bachelor of Engineering/Bachelor of Science (1321/1322) for implementation in semester 1, 2015.

18.2 In response to University policy requirements, the 0CP course 4002ENG Industry Experience has been withdrawn from offer from semester 1, 2015. It is proposed to amend the degree requirements of the above listed programs to remove the requirement to complete 4002ENG.

18.3 Changes to the program structures of the Engineering undergraduate programs which included this course have been made. Continuing students who have already completed 4002ENG prior to 2015 will be able to use the course towards completion of the 60 days of Engineering professional practice, a requirement of Engineers Australia.

For ratification

19.0 **ENG MAJOR CHANGE PROPOSAL (2014/0009503)**

1407 BACHELOR OF INDUSTRIAL DESIGN

19.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0009503) for changes to 1407 Bachelor of Industrial Design for implementation from semester 1 2015.

19.2 The changes involve a reorganisation of existing program content, the replacement of an ENG course with a different existing ENG course, the replacement of a QCA course with a different existing QCA course, addition of existing QCA and ENG courses to the listed electives, and the introduction of a new ENG course, Electrics and Electronics for Designers, as a core course in the program.

19.3 The changes are put forward as a major change because the expansion of the electives list to include QCA in addition to ENG courses requires a change to how the
listed electives are described in the degree requirements. The changes have been approved by the Dean (Learning & Teaching) (AEL).

For ratification

20.0 ENV MAJOR CHANGE PROPOSAL (2014/0004984)
1512/1516 BACHELOR OF URBAN AND ENVIRONMENTAL PLANNING/BACHELOR OF SCIENCE IN ENVIRONMENT

20.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004984) for changes to the Bachelor of Urban and Environmental Planning/Bachelor of Science in Environment (1512/1516) for implementation in semester 1, 2015.

20.2 It is proposed to change the award title of the program to Bachelor of Urban and Environmental Planning/Bachelor of Science to align with the award title of the single Bachelor of Science degree. There are no proposed changes to program content or program learning outcomes.

20.3 To be eligible for the award of Bachelor of Urban and Environmental Planning/Bachelor of Science in Environment (BUrbanEnvPlan/BSc), a student must acquire 400 credit points as prescribed below:

- the planning core of the Bachelor of Urban and Environmental Planning component together with the core courses and at least one of the listed majors in the Bachelor of Science component consisting:
  - 230 credit points for Bachelor of Urban and Environmental Planning courses comprising:
    - 50 credit points at first year level and
    - 180 credit points for later year courses.
  - 170 credit points for Bachelor of Science courses comprising:
    - a maximum of 80 credit points at first year level including 1051SCG Science Revealed: Science, Technology and Society to be completed in Years 1, 2 or 3 and
    - 30 credit points for 3991SCG Science Capstone Preparation and 3992SCG Science Capstone to be completed in Year 3 and
    - 60 credit points for a major.
- complete no more than 130 credit points of courses at first year level for both awards
- complete at least 40 credit points of final year courses for each award (for the Environmental Science major in the Bachelor of Science - at least 10 credit points of electives must be completed at Year 3 level to meet this requirement).

For ratification

21.0 NSC MAJOR CHANGE PROPOSAL (2014/0004969)
1368 BACHELOR OF FORENSIC SCIENCE/BACHELOR OF CRIMINOLOGY AND CRIMINAL JUSTICE

21.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004969) for changes to the Bachelor of Forensic Science/Bachelor of Criminology and Criminal Justice (1368), for implementation in Semester 1, 2015.

21.2 The following changes to the program structure are proposed:
- Move the semester of offering of course 3027NSC Instrumental Chemical Techniques from Year 4, Semester 1 to Year 4, Semester 2
- Include 3027NSC in the structure for students commencing 2012 as it had been omitted from the previously submitted program proposal
This course will be offered in intensive mode during the Winter break immediately following the end of the semester one examination period (officially semester two). This change is necessary due to the heavy usage of the Chemistry Laboratories by other courses. This change is only required for the Forensic Chemistry major.

21.3 The proposed changes will also impact on the degree requirements:

To be eligible for the award of Bachelor of Forensic Science/Bachelor of Criminology and Criminal Justice (BForSc/BCCJ), students must acquire 350 credit points as prescribed below:

- gain 350 credit points by completing one of the following structures for majors offered in the program:
  - Forensic Chemistry consisting of 240 credit points of core Forensic Science and Science courses and 10 credit points of elective forensic science or science courses, 100 credit points of core and 40 credit points of elective Criminology and Criminal Justice courses.
  - Forensic Molecular Biology consisting of 200 credit points of core and 10 credit points of elective Forensic Science and Science courses, 100 credit points of core and 40 credit points of elective Criminology and Criminal Justice courses.
- successfully complete all the requirements for first, second and third year in the degree structure for the Bachelor of Forensic Science/Bachelor of Criminal Justice before proceeding to the fourth year of the program
- successfully complete the following required courses for the purposes of eligibility to continue in the program:
  - 1008BPS AND
  - 2011BPS AND
  - 2104BPS OR
  - 2012BPS.

For ratification

22.0 NSC/MSC MAJOR CHANGE PROPOSAL (2015/6003003)
1094/1031 BACHELOR OF BIOMEDICAL SCIENCE
1358/1392 BACHELOR OF BIOMEDICAL SCIENCE WITH HONOURS

22.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2015/6003003) for changes to the Bachelor of Biomedical Science (1031/1094) and Bachelor of Biomedical Science with Honours (1392/1358) for implementation in semester 1, 2016.

22.2 It is proposed to increase the Year 12 subject prerequisite requirements for students entering the Bachelor of Biomedical Science and the Bachelor of Biomedical Science with Honours. The increased prerequisite requirements have been advertised to High School students since 2013 in the QTAC Tertiary Prerequisites guide with the intent to implement from semester 1, 2016.

22.3 To be eligible for admission to the Bachelor of Biomedical Science, a student must meet the following criteria:

**QTAC application information**
Prerequisites: English (4SA); Maths B (4SA);
Recommended: At least one of Biological Science, Chemistry or Physics (4SA)

To be eligible for admission to the Bachelor of Biomedical Science with Honours, a student must meet the following criteria:
QTAC application information
Prerequisites: English (4SA); Maths B (4SA); one of Recommended: Biological Science, Chemistry or Physics (4SA)

For ratification

23.0 ENG MINOR CHANGE PROPOSAL (2014/0004992) 1321 BACHELOR OF ENGINEERING/BACHELOR OF SCIENCE

23.1 On the recommendation of the Dean (Academic), the Group Board is asked to ratify the attached proposal (2014/0004992) for changes to the Bachelor of Engineering/Bachelor of Science (1321), for implementation in semester 1, 2015.

23.2 This proposal is an addendum to a minor change proposal for this program submitted in June 2014 to update the Civil Engineering courses in relation to the AQF and IAP/Thesis.

23.3 Previously, Civil Engineering cohorts were given an opportunity to do a 20CP IAP and 20CP listed electives option as an alternative to the 4001ENG 40CP IAP option. As from 2015 students will no longer have this option, the degree requirements require updating.

For ratification

24.0 ENG MINOR CHANGE PROPOSAL (2014/0009509) 1321 BACHELOR OF ENGINEERING/BACHELOR OF SCIENCE

24.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0009509) for changes to the Bachelor of Engineering/Bachelor of Science (1321), for implementation in semester 1, 2015.

24.2 A consequential change is required to this program as the School of Environment has replaced the course 2503ENV Environmental Monitoring Techniques with 2203ENV Environmental Chemistry Monitoring.

For ratification

25.0 ENG MINOR CHANGE PROPOSALS (20140004977) (20140004978) (20140004979) (20140004980) (20140004981) 5643 MASTER OF ELECTRONIC AND SPORT ENGINEERING 5644 MASTER OF ELECTRONIC AND COMPUTER ENGINEERING/ MASTER OF ELECTRONIC AND SPORT ENGINEERING 5645 MASTER OF ELECTRONIC AND ENERGY ENGINEERING 5646 MASTER OF ELECTRONIC AND COMPUTER ENGINEERING/ MASTER OF ELECTRONIC AND ENERGY ENGINEERING 5649 MASTER OF ELECTRONIC AND COMPUTER ENGINEERING

25.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposals 20140004977) (20140004978) (20140004979) (20140004980) (20140004981) to replace 6000ENG Research Methods and Statistics with 7001ENG Research Methods so that 7001ENG is used as the research methodology course across all Master of Engineering programs at the Nathan campus.

For ratification
26.0 ENV MINOR CHANGE PROPOSAL (2014/0004999)
5611 MASTER OF ENVIRONMENT

26.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004999) for the following changes to 5611 Master of Environment for implementation in semester 1, 2015:

Update courses so all courses offered in the first semester are online as well as on campus. It is proposed that these courses better reflect the breadth of the Master of Environment and provide a good foundation. This involves replacing 7107ENV Environmental Assessment with 7401ENV Environmental Economics and replacing 7097ENV Public Involvement and Community Development with 7481ENV Development and Indigenous People. Both 7107ENV and 7097ENV remain core courses in specific specialisations and are also included in the electives list.

Rename 7461ENV Environment and Development: International Perspectives to 7461ENV Environment and Development.

Replace 7191ENV Special Topic with 7181ENV Applied Research Project as the capstone course. 7191ENV Special Topic can then be withdrawn from offer from semester 2, 2015.

In the Climate Change Adaptation specialisation, replace 7254ENV Applied Topics in Climate Change with 7407ENG Environmental Management Systems. The content of 7254ENV is now covered in the new capstone course Applied Research Project and 7254ENV will be withdrawn from 2016.

Provide an alternate course in the Economics and Policy specialisation for students who may have already completed 7401ENV Environmental Economics as part of the Foundation courses.

Rename and recode courses within the Education for Sustainability specialisation as follows:

- Replace 7341ENV Foundations of Education for Sustainability with 7361ENV Education as a Pathway to Sustainability
- Replace 7131ENV Trends and Issues in Education for Sustainability with 7141ENV Community Learning for Sustainability
- Replace 7441ENV Education for Sustainability Communities with 7442ENV Designing Sustainability Learning Experiences
- Replace 7351ENV Education, Sustainability and Social Change with 7352ENV Learning to Lead for Sustainability

Provide an alternate course in the Environmental Protection specialisation for students who may have already completed 7421ENV Environmental Pollution as part of the Foundation courses.

Provide an alternate course in the Water Resources specialisation for students who may have already completed 7401ENV Environmental Economics as part of the Foundation courses.

In the Water Resources specialisation: replace 7252ENV Catchment Hydrology and Environmental Flows with 7403ENV Wetland Systems in Environmental Management. The content of 7252ENV will be incorporated into 7253ENV Aquatic Ecosystem Health and Restoration and 7252ENV will be withdrawn from Semester 2, 2015.
In the Water Resources specialisation update the electives list to include some popular courses from the School of Engineering and the School of Education that Master of Environment students always enquire about taking as part of their Master’s degree.

Offer 7871ENV Dissertation (P1-P4) and 7481ENV Development and Indigenous People online.

For ratification

27.0 ENV MINOR CHANGE PROPOSAL (2014/0004970)
1018 BACHELOR OF SCIENCE

27.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004970) for the following changes to 1018 Bachelor of Science for implementation in semester 1, 2014:

- Name change for courses 3701ENV Microbial Ecology and Biogeochemistry and 2303ENV Terrestrial Biodiversity Zoology
- Withdraw 3204ENV Vegetation Assessment & reinstate 2705ENV Entomology
- Withdraw 2306ENV Wildlife Biology and reinstate 3607ENV Vertebrate Biology

Correct & update Applied Biology major and Wildlife Health minors, in 2013 and earlier, due to changes from the School of MSC

Clarify elective options from 2014

Clarify and simplify the notes for each major.

For ratification

28.0 ENV MINOR CHANGE PROPOSAL (2014/0004986)
1328 BACHELOR OF MARINE SCIENCE

28.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004986) for the following changes to 1328 Bachelor of Marine Science for implementation in semester 1, 2014:

Marine Ecology major:
As a result of withdrawal of 2704ENV Marine Invertebrates and 2802ENV Marine Vertebrates from the Bachelor of Science after 2014, replace these courses with 2302ENV Marine Animal Diversity and 3332ENV Marine Conservation and Resource Management. Both of these courses are core components in the Marine Biology major of the Bachelor of Science program, being rolled out in sem 2 2015 and sem 2 2016 respectively.

Replace 4118ENV Climate Change Policy with 3701ENV Microbial Ecology and Biogeochemistry

Marine Chemical Sciences major:
Replace 2014MSC Organic Chemistry with 3701ENV Microbial Ecology and Biogeochemistry

Replace 2102NSC Spectroscopic and Molecular Analysis with 2212ENV Environmental Toxicology

Replace 3508ENV Pollution Chemistry with 3202ENV Advanced Analytical Chemistry
For ratification

29.0  ENV MINOR CHANGE PROPOSAL (2014/0004973)
1008 BACHELOR OF ARTS IN ENVIRONMENT

29.1  On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004973) for consequential changes to 1008 Bachelor of Art in Environment resulting from changes to the Bachelor of Science and the Bachelor of Urban and Environmental Planning and course changes within the School of Humanities and the Griffith Business School, for implementation in semester 1, 2014.

For ratification

30.0  ENV MINOR CHANGE PROPOSAL (2014/0004971)
1004 BACHELOR OF SCIENCE (ENVIRONMENT)

30.1  On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004971) for consequential changes to 1004 Bachelor of Science (Environment) resulting from changes to the Bachelor of Science and the Bachelor of Urban and Environmental Planning and course changes within the School of Humanities and the Griffith Business School, for implementation in semester 1, 2014.

For ratification

31.0  NSC MINOR CHANGE PROPOSAL (2014/0004976)
5647 MASTER OF AVIATION MANAGEMENT

31.1  On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2014/0004976) for the following changes to 5647 Master of Aviation Management for implementation in semester 1, 2015:

- divide 40CP research paper into four parts P1-P4 to provide enrolment flexibility
- withdraw low-enrolling course 7509NSC Special Topics in Aviation.

For ratification

32.0  NSC MINOR CHANGE PROPOSALS (20156004021)(20156004022)(20156004023)
1517 BACHELOR OF AVIATION
3112 GRADUATE CERTIFICATE IN AVIATION MANAGEMENT
5647 MASTER OF AVIATION MANAGEMENT

32.1  On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposals (20156004021)(20156004022) and (20156004023) to apply the University’s standard English language requirements to 1517 Bachelor of Aviation, 3112 Graduate Certificate in Aviation Management and 5647 Master of Aviation Management, on the recommendation of the Acting Head, Aviation and the Head of School.

For ratification

33.0  NSC MINOR CHANGE PROPOSALS (2014/0004944) (20140004958)
1264 BACHELOR OF FORENSIC SCIENCE
1433 BACHELOR OF FORENSIC SCIENCE/BACHELOR OF CRIMINOLOGY AND CRIMINAL JUSTICE
On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposals (2014/0004944) and (2014/0004958) for the following changes to 1264 Bachelor of Forensic Science and 1433 Bachelor of Forensic Science/Bachelor of Criminology and Criminal Justice, for implementation in semester 1, 2015:

1264 Bachelor of Forensic Science - Forensic Chemistry major:
- move 3027NSC Instrumental Chemical Techniques from Year 3 semester 1 to Year 3 semester 2
- move listed elective slot from Year 3 semester 2 to Year 3 semester 1
- update listed electives to accommodate semester 1 elective slot

1433 Bachelor of Forensic Science/Bachelor of Criminology and Criminal Justice
- move 3027NSC Instrumental Chemical Techniques from Year 4 semester 1 to Year 3 semester 2

For ratification

34.0 ENV PROGRAM WITHDRAWAL PROPOSAL (2015/6004010)
1008 BACHELOR OF ARTS IN ENVIRONMENT

34.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the attached proposal (2015/6004010) to withdraw the Bachelor of Arts in Environment (1008), with a last admit term of semester 2, 2015.

34.2 It is proposed to withdraw this program due to low enrolment numbers in the program. The program withdrawal was approved by the Academic Provost during the Group’s 2016 Program Profile Planning process. Continuing students will be able to complete their existing program of study.

For ratification

35.0 PROGRAM CONVENOR CHANGES

35.1 On the recommendation of the Dean (Learning and Teaching), the Group Board is asked to ratify the following Program Convenor appointments:

Program: 1328 Bachelor of Marine Science
From: Professor Joe Lee
To: Professor Rod Connolly (Acting in the role until the end of June 2015 while Professor Lee is on Study Leave)

Program: 1031 Bachelor of Biomedical Science
From: Associate Professor Ann McDonnell
To: Dr Jenny Di Trapani

Program: 1321 Bachelor of Engineering/Bachelor of Science (continuing students only) (BSc component)
From: Professor Peter Teasdale
To: Associate Professor Ann McDonnell

Program 1330 Bachelor of Science Advanced with Honours
From: Professor Peter Teasdale
To: Associate Professor Ann McDonnell

Program 1315: Bachelor of Science in Ecology and Conservation Biology
From: Professor Jean-March Hero
To: Dr Guy Castley
Program: 1516 Bachelor of Urban and Environmental Planning/Bachelor of Science (Nathan) (BSc component)
From: Professor Peter Teasdale
To: Associate Professor Fran Sheldon

Program: 1264 Bachelor of Forensic Science
From: Associate Professor Alex Forrest
To: Dr Sarah Cresswell

Program: 4174 Graduate Diploma of Research Studies in Engineering
Gold Coast - Professor Dong Sheng-Jeng
Nathan – Associate Professor Steve O'Keefe

For ratification

SECTION III: MATTERS FOR NOTING AND WHERE APPROPRIATE, ACCEPTANCE OF RECOMMENDATIONS

36.0 PROGRAM SUPPORT TEAM 1018/1210 BACHELOR OF SCIENCE

36.1 The Group Board is asked to note the appointment by the PVC of the following student support team for the Bachelor of Science (1018/1210):

Program Director - Associate Professor Ann McDonnell
Program Advisor: Biochemistry & Molecular Biology; Physics; Applied Mathematics majors - Dr Todd Houston
Program Advisor: Bioinformatics major - Professor Yaoqi Zhou
Program Advisor: Bioscience majors - Associate Professor Dianne Watters
Program Advisor: Capstone courses - Professor Peter Teasdale
Program Advisor: Computational Science major - Dr Andrew Lewis
Program Advisor: Environmental Science majors - Professor Anthony Carroll (gold Coast) and Associate Professor Fran Sheldon (Nathan)
Program Advisor: Physical Science majors - Dr Jim Webb

For noting

37.0 HEADS OF SCHOOL REPORTS

Reports received from Heads of School are attached for noting.

For noting

38.0 INSTITUTE DIRECTOR REPORTS

Reports received from the Institute Directors are attached for noting.

For noting

39.0 2014 GRIFFITH GRANTS FOR LEARNING AND TEACHING
The Academic Provost has announced the recipients of the 2014 Griffith Grants for Learning and Teaching. The Board will wish to congratulate the following recipients:

2014 Strategic Priority Scheme:
Project Leader: Dr Sven Venema, School of Information and Communication Technology
Project Title: A whole of school approach to facilitating a successful first year in ICT: Measuring the impact on culture and student experience

Project Leader: Dr Michael Howes, Griffith School of Environment
Project Title: Sustainability across the curriculum - A trans-disciplinary approach

Project Leader: Dr Alison McDonald, Griffith School of Environment
Project Title: STEAM: Collaborative development of an engineering, arts and architecture precinct

2014 Group Projects Scheme:
Project Leader: Dr Jahangir Hossain, Griffith School of Engineering
Project Title: Testing the effectiveness of a classroom response system (clickers) in enhancing classroom interactivity and students' achievements in power engineering courses to inform best practice

Project Leader: Dr Ivan Gratchev, Griffith School of Engineering
Project Title: Improving students' performance through project-based learning that involves several courses

Project Leader: Dr Wayne Pullan, School of Information and Communication Technology
Project Title: Improving student retention and success with semester long, adaptive, scalable automated help/feedback mechanisms for students in large class, on-line and blended mode courses

Project Leader: Associate Professor Karine Dupre, Griffith School of Environment
Project Title: Enriching architecture courses with engineering knowledge

Project Leader: Dr Jun Jo, School of Information and Communication Technology
Project Title: A comprehensive and effective dynamic tool to assist teaching programming courses

Project Leader: Associate Professor Junhu Wang, Institute for Integrated and Intelligent Systems
Project Title: A system for learning table normalization

For noting

40.0 TIMEFRAMES FOR PROGRAM PROPOSALS FOR 2016

Timeframes for consideration and approval of program proposals for implementation in semester 1 2016 have been set by Programs Committee to ensure that accurate information is available to students on the Programs and Courses website and in the online enrolment portal. The deadline for new and major program proposals for implementation in semester 1 2016 is the 3 September 2015 meeting of Programs Committee.

41.0 OTHER BUSINESS

42.0 2015 MEETING SCHEDULE
Members are asked to note that 2015 meetings of the Griffith Sciences Group Board have been scheduled at 10.00am – 12.30pm (followed by lunch at 12.30pm) on the following dates:

<table>
<thead>
<tr>
<th>Meeting Date</th>
<th>Campus</th>
<th>Venue</th>
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<tbody>
<tr>
<td>20 March</td>
<td>Gold Coast</td>
<td>G34 2.02</td>
</tr>
<tr>
<td>17 April*</td>
<td>Nathan</td>
<td>N54 2.02</td>
</tr>
<tr>
<td>15 May</td>
<td>Nathan</td>
<td>N54 2.02</td>
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<tr>
<td>14 August</td>
<td>Gold Coast</td>
<td>G34 2.02</td>
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<tr>
<td>18 September*</td>
<td>Gold Coast</td>
<td>G34 2.02</td>
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<tr>
<td>16 October</td>
<td>Nathan</td>
<td>N54 2.02</td>
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*17 April and 18 September meetings to proceed only if there is sufficient business.