Academic Senate Presentation April 21, 2015

PATRICK McNEIL – Executive Dean
FACULTY of MEDICINE and HEALTH SCIENCES

Academic Health Enterprise

- Faculty of Medicine and Health Sciences Restructure
- Plans for New Educational Programs
- Engagement of Clinicians in the FMHS-MUH Interface
FMHS Evolution

Australian School of Advanced Medicine (ASAM) (2007)
• Medical Research and HDR student education
• Post-graduation Medical Education

Faculty of Medicine and Health Sciences (2014)
• Addition of Department of Health Professions and the Australian Institute of Health Innovation (AIHI) to ASAM
• Leadership and governance structures lacking
• Educational programs under-developed
• Academic interface with Macquarie University Hospital (2010) was yet to be realised
FMHS Restructure

Formal Workplace Change Process (Feb to March 2015)
- Disestablishment of the Australian School of Advanced Medicine (ASAM).
- Creation of 3 new academic departments
  - Biomedical Sciences
  - Clinical Medicine
  - Health Systems and Populations
- Existing academic staff in ASAM transferred to newly created departments in the Faculty.
- Creation of a professional staff support structure to serve the whole Faculty.
- Heads of Department and Associate Deans appointed by EOI.

New FMHS Organisational Chart
New Educational Programs

ASAM

- Small enrolment numbers of post-graduation medical specialty programs
- Predominantly international students
- Limited recruitment of Masters of Research students
New Educational Programs

Undergrad Courses
- Bachelor of Clinical Science

Postgrad Courses
- D Physiotherapy
- M.Res and PhD
- MD
- MPH
- Other M

Postgrad Medicine
- M Clin Sci
- D Clin Prac
- M / Doc Adv Surg/Med
- M Surg/Med

Bachelor of Clinical Science
Faculty of Medicine and Health Sciences

- Broad education in human clinical sciences
- Professional practice skills for future careers
- Medical or allied health practice and health/medical research professions

2 Years
- Using the full academic year

Practical experience
- PACE/Capstone in the work place

GAMSAT
- Specific GAMSAT preparation

Research stream
- For high achievers
Bachelor of Clinical Science
Faculty of Medicine and Health Sciences

Excellent facilities with world class clinical academics and research scientists.

The facilities
The education
The research
The hospital and clinics

Bachelor of Clinical Science
Design for digital

FACULTY of MEDICINE and HEALTH SCIENCES
## Bachelor of Clinical Science
### Sequence of Units – Year 1

<table>
<thead>
<tr>
<th>Session</th>
<th>March – May</th>
<th>Term 3</th>
<th>June – July</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH108</td>
<td>Anatomical Sciences 1: Introduction</td>
<td>MEDI201</td>
<td>Cardiorespiratory 1</td>
</tr>
<tr>
<td>PHYS149</td>
<td>Physics for Life Sciences</td>
<td>MEDI202</td>
<td>Renal &amp; Alimentary 1</td>
</tr>
<tr>
<td>MEDI102</td>
<td>Molecular Biology &amp; Biochemistry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL108</td>
<td>Human Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDI103</td>
<td>Professional Practice 1</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>14 credit points</td>
<td>7 credit points</td>
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</tbody>
</table>

## Bachelor of Clinical Science
### Sequence of Units – Year 1/2

<table>
<thead>
<tr>
<th>Session</th>
<th>August – November</th>
<th>Term 0</th>
<th>Jan – Feb</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT170</td>
<td>Introductory Statistics</td>
<td>MEDI205</td>
<td>Human Health &amp; Disease</td>
</tr>
<tr>
<td>MEDI203</td>
<td>Musculoskeletal 1/co-t HLTH109</td>
<td>MEDI207</td>
<td>Professional Devt 1 or</td>
</tr>
<tr>
<td>MEDI204</td>
<td>Neuroscience 1</td>
<td>MEDI208</td>
<td>Laboratory experience 1</td>
</tr>
<tr>
<td></td>
<td>Option for P/P unit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDI206</td>
<td>Professional Practice 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>11-14 credit points</td>
<td>7 credit points</td>
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</tbody>
</table>
### Bachelor of Clinical Science
#### Sequence of Units – Year 2

<table>
<thead>
<tr>
<th>Session 1</th>
<th>March – May</th>
<th>Term 3</th>
<th>June – July</th>
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</thead>
<tbody>
<tr>
<td>HLTH306</td>
<td>Research Methods for Health Sciences</td>
<td>MEDI301 Cardiorespiratory 2</td>
<td>Renal &amp; Alimentary 2</td>
</tr>
<tr>
<td>PHTY302</td>
<td>Biomechanics of Human Movement</td>
<td>MEDI302</td>
<td></td>
</tr>
<tr>
<td>MEDI303</td>
<td>Neuroscience 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDI305</td>
<td>Professional Practice 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option for P/P unit</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>11-14 credit points</td>
<td></td>
<td>7 credit points</td>
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</tbody>
</table>

### Sequence of Units – Year 2

<table>
<thead>
<tr>
<th>Session 2</th>
<th>August – November</th>
<th>Masters of Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDI304</td>
<td>Advanced Clinical Science</td>
<td>Graduate Medicine</td>
</tr>
<tr>
<td>MEDI308</td>
<td>Health/Research Placement (C/P)</td>
<td>Graduate Physiotherapy</td>
</tr>
<tr>
<td>MEDI306</td>
<td>Professional Development 2 or</td>
<td>Employment</td>
</tr>
<tr>
<td>PHTY301</td>
<td>Human Movement or</td>
<td></td>
</tr>
<tr>
<td>MEDI307</td>
<td>Laboratory Experience 2 or</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option for P/P unit</td>
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<tr>
<td></td>
<td>9-12 credit points</td>
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Other Educational Programs

Doctor of Medicine (MD)
- Working with Australian Medical Council

Masters of Public Health
- Core Units in FMHS
- Cross-disciplinary options
- Global health focus (health systems?)

Engagement of Clinicians in the FMHS-MUH Interface
Macquarie University Health Sciences Centre

**CORE PURPOSE:**
*Heal, Learn, Discover*

**VISION:** To be a world-class university health sciences centre, integrating clinical care, learning and research to improve lives

### Strategic Goals

<table>
<thead>
<tr>
<th>Integrated Organisation</th>
<th>Academic Culture and Identity</th>
<th>Signature Clinical Services</th>
<th>Distinctive Educational Programs</th>
<th>Impactful Research</th>
<th>Synergistic Partnerships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build an organisation that is capable of and committed to achieving the vision of an integrated academic health centre.</td>
<td>Create an academically-driven organisational culture that promotes and differentiates MUHSC to internal and external constituencies.</td>
<td>Develop signature clinical programs and services that attract patients from across Australia and beyond.</td>
<td>Design undergraduate and post-graduate educational programs that leverage our unique capabilities.</td>
<td>Expand biomedical research and develop translational research towards improved healthcare and health outcomes.</td>
<td>Partner with industry, other academic institutions, government organisations and the community to advance research, education and clinical care.</td>
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**The integrated care ‘healthy triangle’**

- Clinical Care
- Quality
- Learning
- Discovery
Values and Culture
Consultation and Workshops

<table>
<thead>
<tr>
<th>Value</th>
<th>Behaviour</th>
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</thead>
<tbody>
<tr>
<td>Ambition</td>
<td>We are ambitious in our effort to achieve excellence in everything we do, exceeding expectations and setting new standards in our field</td>
</tr>
<tr>
<td>Compassion</td>
<td>We act with deep respect and compassion for the dignity and diversity of our patients, students, staff and community</td>
</tr>
<tr>
<td>Teamwork</td>
<td>We recognise that all individuals bring qualities and talents to share and that by working together we enhance our work environment and the outcomes of our efforts</td>
</tr>
<tr>
<td>Integrity</td>
<td>We are committed to being consistent, principled, honest and accurate in our actions, decisions and communications. Integrity is the cornerstone of our relationships with each other</td>
</tr>
<tr>
<td>Learning</td>
<td>As an academic health sciences centre, we have a special charge to bring new ideas into practice at every opportunity to advance health, clinical care and wellbeing, to improve lives.</td>
</tr>
<tr>
<td>Collaboration</td>
<td>The world at large offers bountiful resources, problems, ideas and opportunities; by collaborating with those beyond our campus and our country we can multiply the impact of our work</td>
</tr>
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Signature Program Structure
Patient-based and integrated across clinical service/research/teaching

[Diagram showing the structure of the Faculty of Medicine and Health Sciences with Academic Departments and Clinical and Research Programs]
Macquarie University Health Sciences Centre Organisational Structure

Faculty of Medicine and Health Sciences

Macquarie University Clinical Associates

Macquarie University Hospital

PROGRAM HEADS

- Neurosciences Program
- Cardiovascular Program
- Cancer Program
- Gastrointestinal Program
- Bone and Joint Program
- Primary and Ambulatory Care Program
- Critical Care and Anaesthetics Program

CLINICAL SERVICE DELIVERY

Questions