Provisional Entry into Medicine
Welcome and Orientation
Acknowledgment of Country

The University of Queensland (UQ) acknowledges the Traditional Owners and their custodianship of the lands on which we meet.

We pay our respects to their Ancestors and their descendants, who continue cultural and spiritual connections to Country.

We recognise their valuable contributions to Australian and global society.
Welcome to the Faculty of Medicine

Professor Nick Shaw
Associate Dean (Academic)
Faculty of Medicine
01
Re-imagining our Medical Curriculum – the Journey

Professor Kirsty Foster OAM
Mayne Professor and Director Academy for Medical Education
A major review of our MD program:

• Innovative
• Meets changing patient and population needs
• Builds on work already done to improve current program
Drivers for change

• Patients and population needs
  - Ageing; co-morbidity
  - Indigenous Health
  - Regional and Rural Health
  - Inequity

• Health care systems
  - Care closer to home; digitally-enabled care
  - Patient safety and values
  - Navigating complex systems

• Health workforce
  - Multi-disciplinary team
  - Need for generalists
  - Mental health and wellbeing

• UQ student experience and graduate satisfaction
  - Sense of belonging and wellbeing
  - Preparedness for internship
Out to 2050, the population > 60 years will grow to over 2 Billion
1 in 2 Australians have a chronic disease.

Chronic diseases, like cardiovascular disease, cancer, and diabetes are the leading cause of illness, disability, and death in Australia.

Almost one third could be prevented by removing exposure to risk factors such as smoking, high body mass, alcohol use, physical inactivity and high blood pressure.

Despite the need... only 1.5% of spending* is dedicated to prevention.

*As a proportion of total health expenditure.
The change in education

<table>
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<th>FROM</th>
<th>TO</th>
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<td>Supporting learning</td>
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<td>Transfer of facts</td>
<td>Construction of knowledge and understanding</td>
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<td>Memorising</td>
<td>Enabling critical thinking</td>
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<td>Focus on acquisition of knowledge</td>
<td>Focus on ability to apply knowledge and ability to perform well</td>
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<td>Inputs</td>
<td>Outcomes</td>
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<td>Didactic teaching</td>
<td>Interactive learning around real world challenges</td>
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<td>Curriculum as product</td>
<td>Curriculum as process</td>
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Learner-centred approach

Traditional teacher centred approach

Contemporary learner centred approach
Where learning takes place

70% In the workplace
20% Interpersonal interactions
10% Formal teaching

Vision

To nurture and educate future medical graduates who are clinically capable, team players, kind and compassionate, serve responsibly and are dedicated to the continual improvement of the health of people and communities in Queensland, Australia and across the globe.

“Education is not the filling of a pail but the lighting of a fire”

WB Yeats
Our UQ Values as they relate to our MD Program

Creativity
We value and encourage innovation, creativity and divergent thinking

Excellence
We strive for excellence in clinical practice, education and research to best serve our communities

Truth
We seek truth through our focus on the advancement and dissemination of knowledge, and our deep commitment to freedom of expression and human rights

Integrity
We take seriously the role we play as stewards of an equitable healthcare system and are ethical and principled

Courage
We are ambitious, bold and agile. We demonstrate moral courage, so that we are always guided by a sense of what is right.

Respect and inclusivity
We foster a safe, inclusive environment that is conducive to learning and promotes development of culturally safe, person-centred doctors who reflect the populations they will serve
Roles of a well-rounded doctor

- Safe & Effective Clinician
- Critical Thinker, Scientist & Scholar
- Kind & Compassionate Professional
- Dynamic Learner & Educator
- Partner & Team Player
- Advocate for Health Improvement
Underpinning principles include:

• A focus on critical thinking, the application of knowledge, practical capability and appropriate professional behaviour (Knowing, Doing and Being)

• The staging of learning across all four years of the program

• A coherent and cohesive curriculum with integrated learning

• Early, meaningful and authentic clinical experience

• Assessment for learning as well as of learning

• A culture of meaningful performance feedback (for students and also staff)

• A whole of person approach
High quality curriculum and clear expectations

- Coherent integrated curriculum
- Relevant material focusing on concepts
- Scaffolding and guidance
- Experiential learning & reflection
- Co-participation
- Aligned learning and assessment

- Appropriate learning & teaching methods
- Feedback and support

Year 1

**MEDI7100 Foundations of Medicine**
Year-long, 16-unit Course
4 days structured teaching | 1 day clinically-focused teaching

Year 2

**MEDI7200 Developing Skills in Medicine**
Year-long, 16-unit Course
3 days structured teaching | 2 days clinical longitudinal placement (Medicine, Surgery and GP)

Year 3

**MEDI7300 Clinical Immersion**
Year-long, 16-unit Course
1 day structured teaching | 4 days clinical immersion

Year 4

**Advanced Practice and Transition to Internship**
Clinical Immersion → Elective → Pre-Internship
0.5 - 1 day structured teaching | 4 - 4.5 days clinical experience
Tell me, I’ll forget,
Show me, I may remember,
Involve me, and I’ll understand.
Provisional Entry MD
Welcome

Associate Professor Lesley Lluka
School of Biomedical Sciences
Faculty of Medicine
Congratulations on your Provisional Entry place in the MD – How do you retain the place?

- Enrol in a Bachelor degree program at UQ – ‘first degree’
- Can include a dual program (e.g. BA / BSc)
- Must complete your degree in minimum time (8 units per semester)
- You must graduate by the end of Semester 2 of the year before your start the MD
- Obtain a GPA of at least 5 in your first degree
  - ‘4.99 is NOT 5’
- Complete the MD prerequisites either as core content in your program or as electives
- NOTE: Limited options for approved changes to 1st degree e.g. BBiomedSc to BSc; BA to BA/BSc – must finish in minimum time for your final program (counting from Semester 1 2023)
- Continue on to the MD once you graduate from the first degree
Extra-curricular Experiences

Add value to your university experience, complement your degree, and enhance your employability!

- Global Experiences (including UQ Abroad – starting again after being on hold due to COVID-19)
- UQ Advantage Employability Award program
- UQ Careers Service
- Summer and Winter Research programs
- Internships and Work Experience
- Volunteering and Mentoring
- Students as Partners
- Grants available
- For more information employability.uq.edu.au/get-experiences
Research Options

During your undergraduate studies, you can work alongside world class researchers to discover solutions to global challenges.

Improve your skills and ability to think and reason critically, develop innovative ideas, analyse data and clearly explain results.

Take the opportunity to test drive research and discover your passion. Available options are:

- UQ Summer Research Program
- UQ Winter Research Program
- Research project courses in some programs
Research Options with the MD

If you get excited by the prospect of combining Medicine and research, then consider:

• Doctor of Medicine / Master of Philosophy
• Doctor of Medicine / Doctor of Philosophy

• Note: You need to satisfy the research entry requirements (e.g. Honours or equivalent)
• Complete information can be found at the Student Research Portal
  (https://medicine-program.uq.edu.au/research-portal) and select the ‘Clinician Scientist Track’ link
Student Support Services

- Health and welfare
- Accommodation
- Disability services
- Learning and mentoring
- International students
- Orientation and new students
- Faith

For more information
my.uq.edu.au/information-and-services/student-support
UQ Union – Student Advocacy and Support (SAS)

• This is a free, independent, short term support service for all UQ students.
• SHOC can provide you with assistance on matters relating to the following services:
  - Education & Equity
  - Employment
  - Gender & Sexuality
  - Legal
  - Migration
  - Welfare
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Where to ask questions and get help

The faculty responsible for delivering your first degree can assist with:

- Course Selection and Study Planners
  (students in dual degree programs may need to consult with both faculties delivering each component)
- Program planning for the first degree and completion advice
- Advice relating to enrolment, academic plans, deferred exam, supplementary assessment, exchange studies, withdrawal and graduation

However, advice regarding use of electives and first degree program changes:

- How to use electives to prepare for the MD: Make an academic advising appointment with the Faculty of Science, Building 69, Level 2 or 3365 1888 or enquire@science.uq.edu.au (irrespective of your first degree program)
- Changing your first degree program: UQ Admissions (admissions@uq.edu.au)
Which faculty manages your first degree?

**Faculty of Medicine**
- Bachelor of Health Sciences
- Bachelor of Biomedical Science

**Faculty of Science**
- Bachelor of Advanced Science (Honours)
- Bachelor of Science
- Bachelor of Biotechnology
- Bachelor of Mathematics
- Bachelor of Science / Bachelor of Arts or Bachelor of Music (Honours) / Bachelor of Science
  - Course selection: Faculty of Science & Faculty of Humanities and Social Science
Which faculty manages your first degree?

Faculty of Health and Behavioural Sciences (HABS)
• Bachelor of Dental Science (Honours)
• Bachelor of Midwifery
• Bachelor of Nursing
• Bachelor of Pharmacy (Honours)
• Bachelor of Physiotherapy (Honours)
• Bachelor of Psychological Science (Honours)
• Bachelor of Exercise and Nutrition Sciences

Faculty of Engineering, Architecture and Information Technology (EAIT)
• Bachelor of Engineering (Honours)
Which faculty manages your first degree?

**Faculty of Humanities and Social Science (HASS)**
- Bachelor of Advanced Humanities (Honours)
- Bachelor of Arts
- Bachelor of Social Science

**Faculty of Business, Economics and Law (BEL)**
- Bachelor of Advanced Finance and Economics (Honours)
- Bachelor of Commerce
- Bachelor of Economics / Bachelor of Science
  - Course selection: Faculty of Business, Economic and Law & Faculty of Science
MD Prerequisite Courses

BIOM2011 Integrative Cell & Tissue Biology

Pre-requisites:

• BIOL1040 Cells to Organisms

• BIOL1020 Genes, Cells & Evolution (recommended)

BIOM2012 System Physiology

Pre-requisites:

• BIOM2011 Integrative Cell & Tissue Biology

• BIOC2000 Biochemistry & Molecular Biology (recommended)
MD Recommended Prior Learning

In addition to the prerequisites, it is recommended that you have prior knowledge for the MD in:

• **Biostatistics** – e.g. STAT1201, PUBH2007, PSYC1040 + PSYC2010, BIOL2006
• **Anatomy** – e.g. BIOM2020, ANAT1005 + ANAT2029
• **Biochemistry** – e.g. BIOC2000
MD Prerequisite Courses in programs

UQ programs that cover the prerequisite and prior learning courses and provide health professional registration before entry to the MD:

• Bachelor of Dental Science Honours

• Bachelor of Midwifery

• Bachelors of Nursing/Midwifery

• Bachelor of Nursing

• Bachelor of Pharmacy (Honours)

• Bachelor of Physiotherapy (Honours)
MD Pre-requisite Courses in programs

UQ programs and majors that cover the prerequisite and prior learning courses before entry to the MD:

• Bachelor of Advanced Science (Honours) – depends on selection of major

• Bachelor of Biomedical Science

• Bachelor of Science – depends on selection of major

• Bachelor of Health Sciences – Clinical Health specialisation

• Bachelor of Biotechnology – depends on selection of major

• Bachelor of Clinical Exercise Physiology (Honours)

• Bachelor of Exercise and Sports Science (Honours)
MD Prerequisite Courses in programs

UQ programs where study plans can be worked out to use the elective space to cover the prerequisite and prior learning courses before entry to the MD:

• Bachelor of Advanced Science (Honours) – all majors
• Bachelor of Science – all majors
• Bachelor of Exercise and Nutrition Science
• Bachelor of Health Sciences – other specialisations
• Bachelor of Arts
• Bachelor of Engineering (Honours)
• Bachelor of Psychological Science (Honours)
• Bachelor of Social Science
Where to ask questions and get help

• Student Central
  - St Lucia: Student Central, Prentice Building (42)
  - Herston: Student Hub - Level 5, Oral Health Building

• **Academic Advising:** Contact the Faculty of Science Office, Building 69, Level 2 for advice on planning Science programs OR how to use your electives in other programs for the prerequisites and prior learning for the MD

• Student Services

• Student Advocacy and Support (SAS)

• Your Lecturers, Course Coordinators and Tutors

• my.UQ - [my.uq.edu.au](http://my.uq.edu.au)

If you don’t ask, we can’t help!
Questions
First...
Congratulations!
Student society dedicated for everyone interested in studying medicine at UQ!

- **The fun stuff** – scrub crawl, ball...
- **The serious stuff** – GAMSAT support, workshops, peer tutoring, networking...
Why UQPMS?

- How should I find my crowd?
- FOMO - How do I find out when the fun stuff are happening?
- Hustling/Networking?
- Study things – Study notes?
- What courses are best for Med?
Why UQPMS?

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PREMED PALS

Mentee signups out soon!
WELCOME NIGHT

3rd March 5pm - 9pm
Prizes, games, free food!

SOCIAL SPORTS

Netball, TRL, Soccer, Beach Volleyball, & Dodgeball
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Hustling/Networking?
ACADEMIC SUPPORT

Available from our website!

Study notes bank – exclusive access
BIOL 1020
GENES, CELLS AND EVOLUTION
GAMSAT RECOMMENDATION

General Course Information

- Semesters offered: Semesters 1 & 2 at St Lucia, External
- Prerequisites: N/A
- Contact hours: 1 Lecture, 1 Tutorial, 3 Practical

Course Description

Students taking this course will learn about the fundamentals of molecular cell biology and genetics by examining what cells are made of and how the genetic information to build cells and perform cellular processes is encoded, executed, and inherited. The course explores the connections between physical processes at the molecular level and the whole organism phenotype, and identifies how cellular, genetic, and evolutionary processes affect everyday life.

Advantages

- This course is a great introduction to cellular biology even for those who have not studied it before, as it covers high school content and builds from it.
- For those who have completed high school biology, transitioning into this course is relatively easy, especially in the first module.
- The content covered in this course forms a crucial foundation for future studies in molecular or cellular biology, as many subsequent courses assume a proficient understanding of this content (and in fact list BIOL1020 as a prerequisite).

Disadvantages

- The course is quite content-heavy, and often relies on you to do the textbook readings to fully construct your body of knowledge. Especially in a course typically done in the first year, this can be challenging as filtering out novel information from relevant content in self-study may be a new skill.
- Because the content is delivered in a one-lecture, one-tutorial style, a lot of the course is left as self-study. If you are not diligent with your studies, it can be easy to fall behind.
- 40% of the assessment constitutes the mini-tests, for which the questions are uploaded on Lib ahead of time. Although a good opportunity to integrate information and build on the knowledge, doing well in these assessment tasks relies on time investment and memorisation, which may not be an efficient mode of study or use of times.

Tips & what we wish we knew

- Don't do the pre-readings if you're short on time or motivation; do lecture slides and EdX first, then go over the related concepts.
- If lectures have emphasised a concept, this means you should go into more detail in your response to a question.
- Start deep thought questions early and discuss with friends.

SECaTs Review

- Overall Rating: 3.9
- Learned a Lot: 3.7
- Received Helpful Feedback: 3.8
- Assessment Requirements Clear: 4.0
- Learning Materials Assisted: 4.0
- Well Structured: 3.9
- Intellectually Stimulating: 4.0
- Understand Aims and Goals: 4.0
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How should I find my crowd?

Hustling/Networking?

FOMO - How do I find out when the fun stuff are happening?

Study things – Study notes?
What courses are best for Med?
LAUNCH PARTY
SATURDAY, 18 MARCH 2023 7.00pm
Other Social Events

Annual Ball

Scrub Crawl

Amazing race

And a whole lot more...
Why UQPMS?

How should I find my crowd?

FOMO - How do I find out when the fun stuff are happening?

Study things – Study notes?
What courses to take for Med?
Annual Networking night
Workshops & opportunities

Research opportunities, Study skills workshop, GAMSAT workshop series, Leadership day, Oncology cocktail, surgical experiences - the list goes on!
39+

Sponsorships around Brisbane!
Why UQPMS?
KEEP IN TOUCH!

UQPMS

UQPMS

UQ Premedical society

President@uqpms.com

Sign up now
Life as a Doctor of Medicine student

Mr Prabasha Thilakaratne
President, UQMS
Thank you.
Questions?