

Provisional Entry into Medicine Welcome and Orientation



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

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**

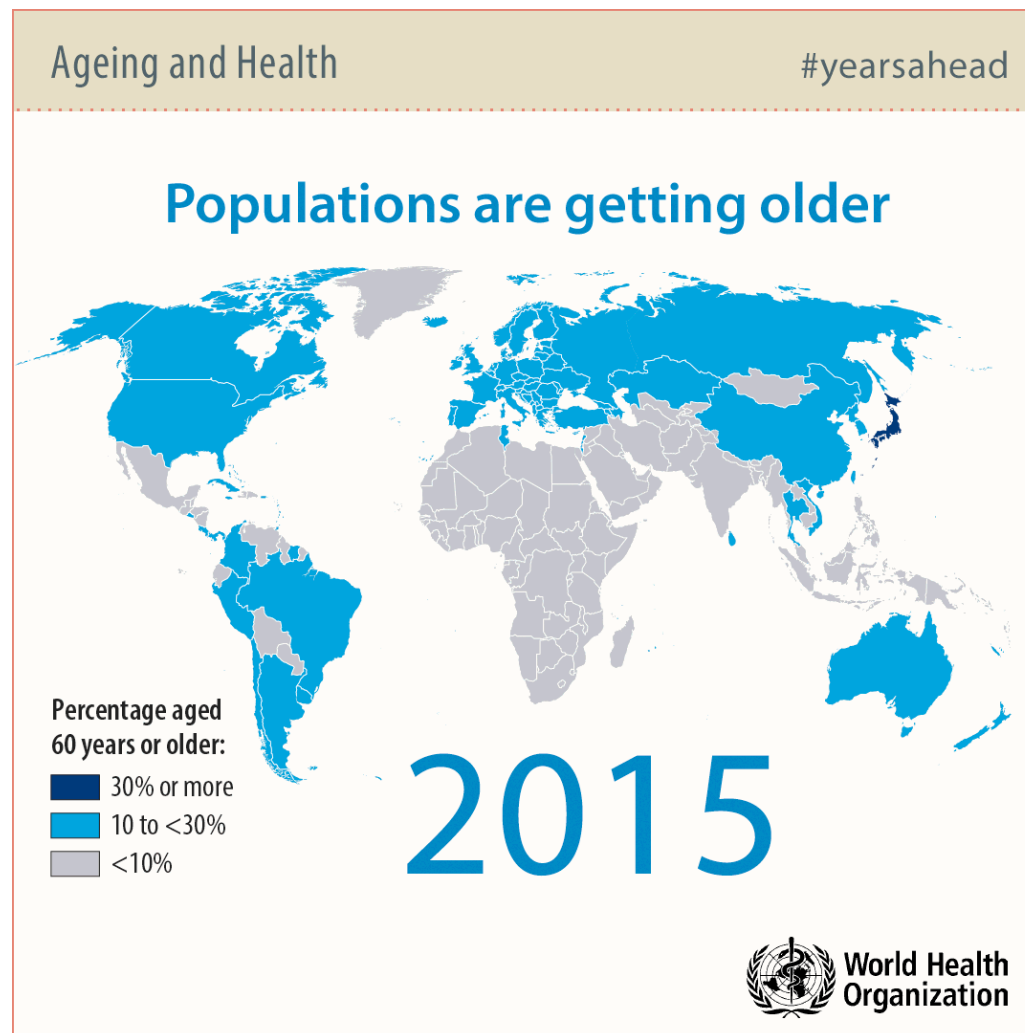
Drivers for change

- **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



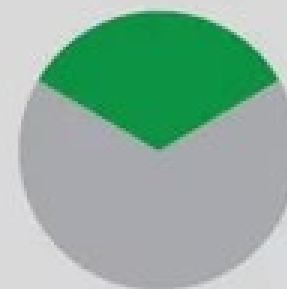


1 in 2

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%

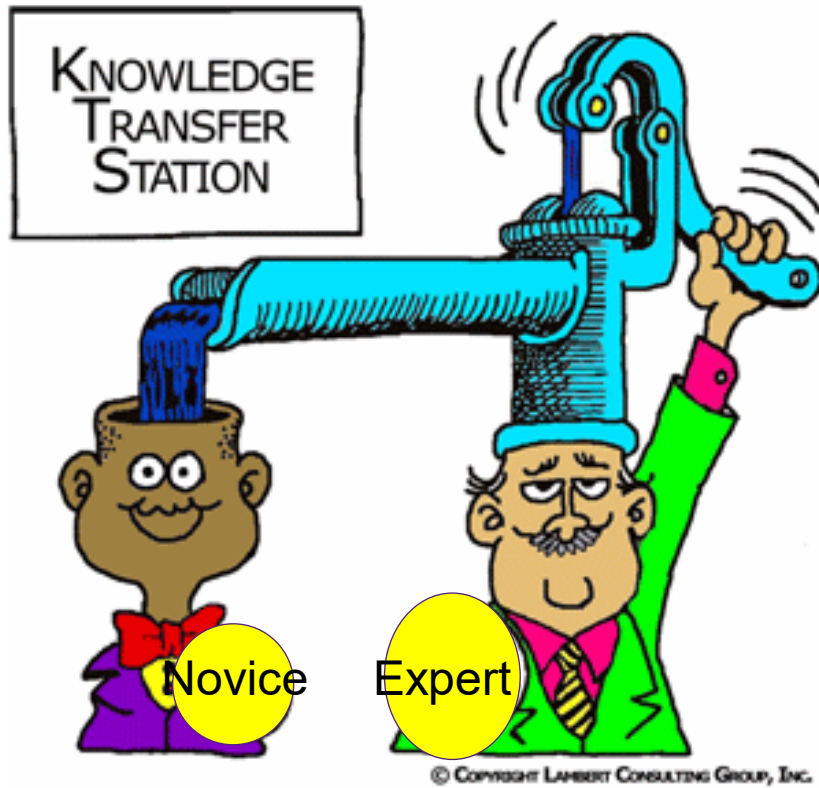
of spending* is
dedicated to
prevention.

*As a proportion of total
health expenditure.

The change in education

FROM	TO
Teaching	Supporting learning
Transfer of facts	Construction of knowledge and understanding
Memorising	Enabling critical thinking
Focus on acquisition of knowledge	Focus on ability to apply knowledge and ability to perform well
Inputs	Outcomes
Didactic teaching	Interactive learning around real world challenges
Curriculum as product	Curriculum as process

Traditional teacher centred approach



Contemporary learner centred approach



Where learning takes place

70%

In the workplace

20%

Interpersonal interactions

10%

Formal teaching

Johnson SJ, Blackman DA & Buick F.. The 70:20:10 Framework and the Transfer of Learning. Human Resource Development Quarterly. Vol 29, 4 pp383-402

MD Design

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



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



Integrity

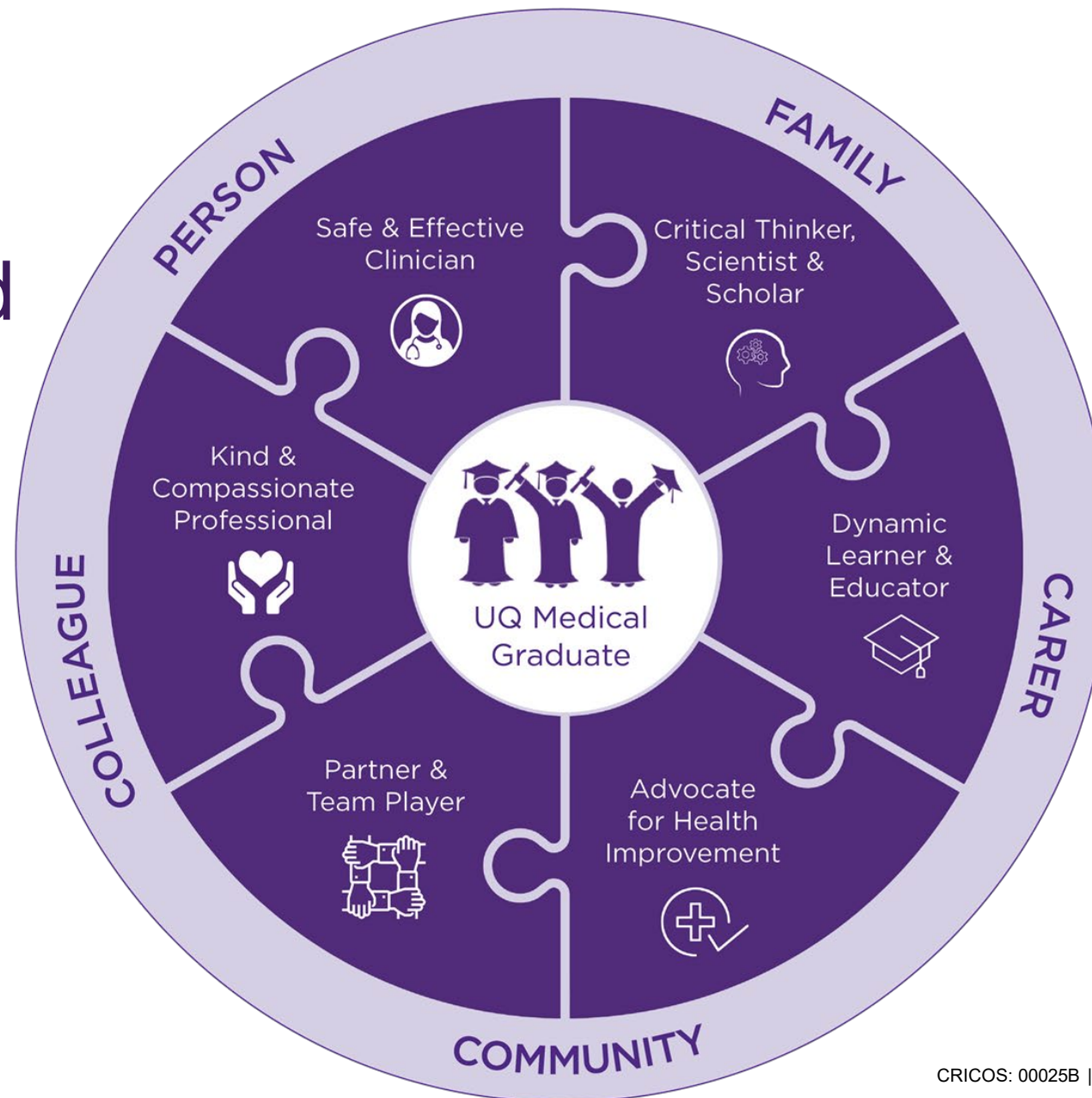
We take seriously the role we play as stewards of an equitable healthcare system and are ethical and principled



Courage

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

Roles of a well-rounded doctor



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

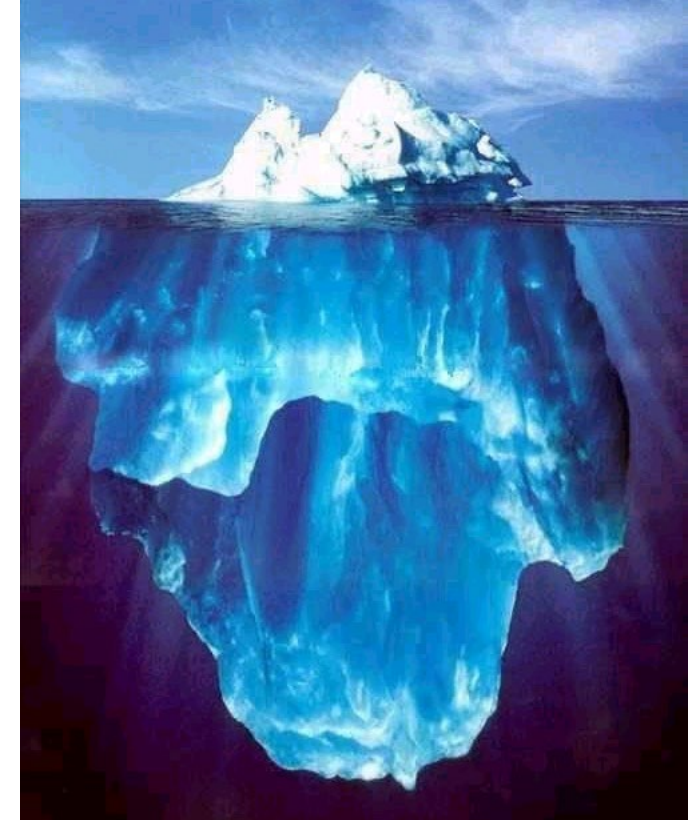


Tim Dornan, Richard Conn, Helen Monaghan, Grainne Kearney, Hannah Gillespie & Dierdre Bennett (2019) Experience based learning (ExBL): Clinical teaching for the twenty-first century, Medical teacher DOI: 10.1080/0142159X.2019.1630730

UQ MD Program Overview

	<p>Year 1</p> <p>MEDI7100 Foundations of Medicine Year-long, 16-unit Course 4 days structured teaching 1 day clinically-focused teaching</p>	<p>Progression Decision</p>	<p>KEY</p>  <p>Structured Classroom Teaching</p> <p>↓</p> <p>Clinical Experience</p>
	<p>Year 2</p> <p>MEDI7200 Developing Skills in Medicine Year-long, 16-unit Course 3 days structured teaching 2 days clinical longitudinal placement (Medicine, Surgery and GP)</p>	<p>Progression Decision</p>	
	<p>Year 3</p> <p>MEDI7300 Clinical Immersion Year-long, 16-unit Course 1 day structured teaching 4 days clinical immersion</p>	<p>Progression Decision</p>	
	<p>Year 4</p> <p>Advanced Practice and Transition to Internship Clinical Immersion → Elective → Pre-Internship 0.5 - 1 day structured teaching 4 - 4.5 days clinical experience</p>	<p>Graduation Decision</p>	

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 you 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

If you don't ask, we can't help!



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AUSTRALIA

CREATE CHANGE

Questions



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**PREMEDICAL
SOCIETY**



First...

Congratulations!

UQPMS who?

Student society dedicated for **everyone interested in studying medicine** at UQ!

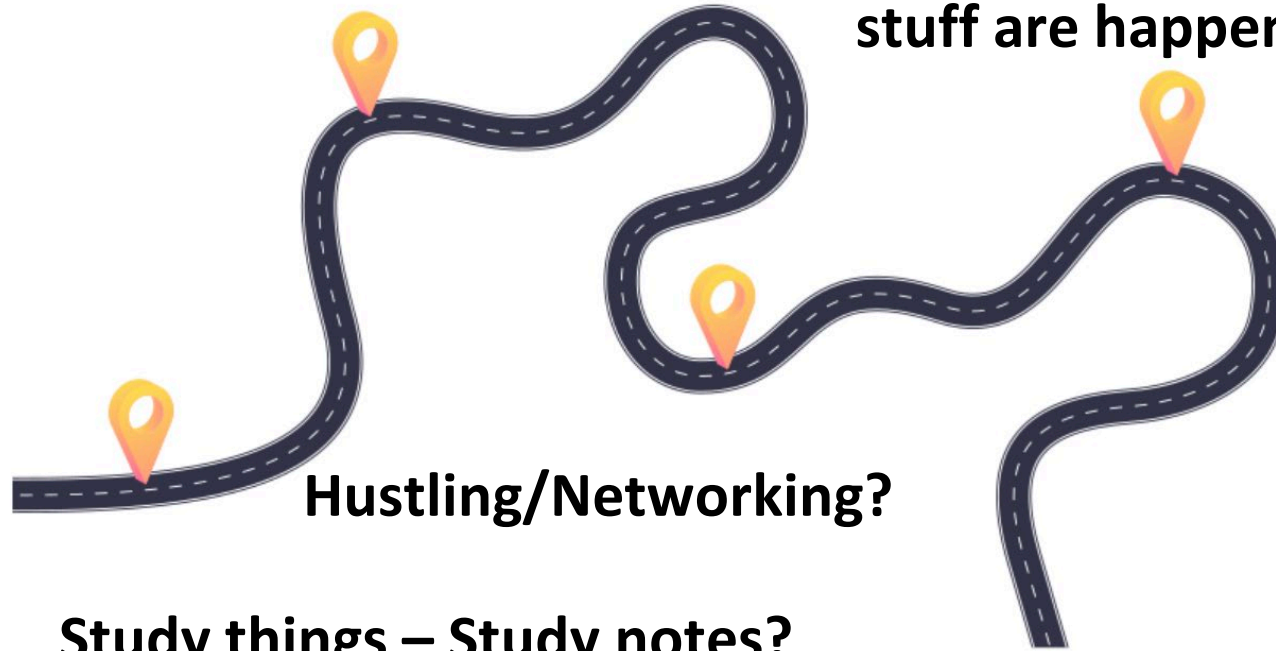
- **The fun stuff** – scrub crawl, ball...
- **The serious stuff** – GAMSAT support, workshops, peer tutoring, networking...



Why UQPMS ?

How should I find my crowd?

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



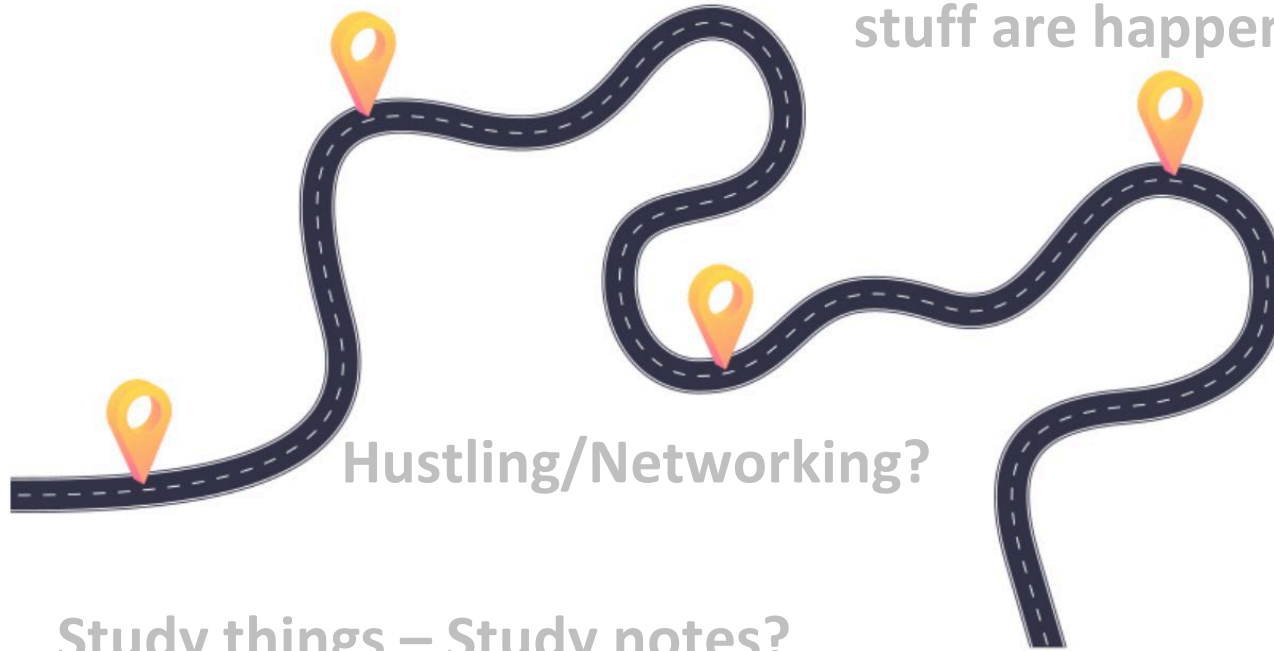
Hustling/Networking?

Study things – Study notes?
What courses are best for
Med?



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PREMED PALS

Mentee signups out soon!



WELCOME NIGHT

3rd March 5pm - 9pm

Prizes, games, free food!



SOCIAL SPORTS

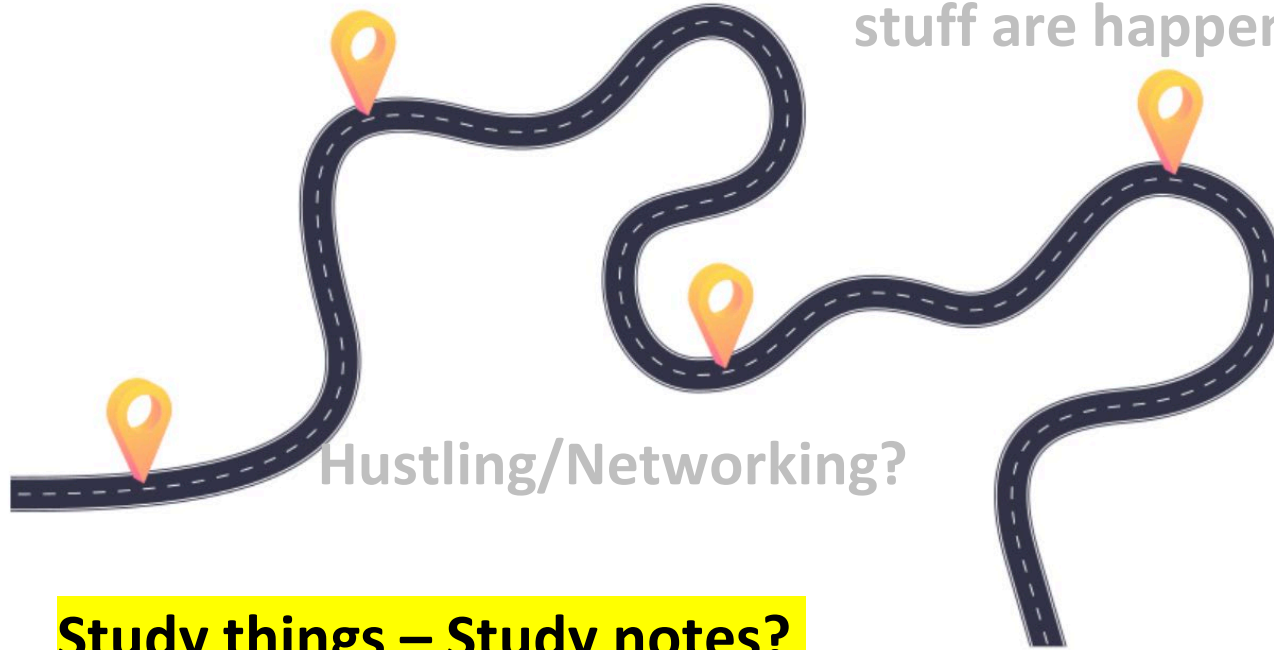
Netball, TRL, Soccer, Beach Volleyball, &
Dodgeball



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Hustling/Networking?

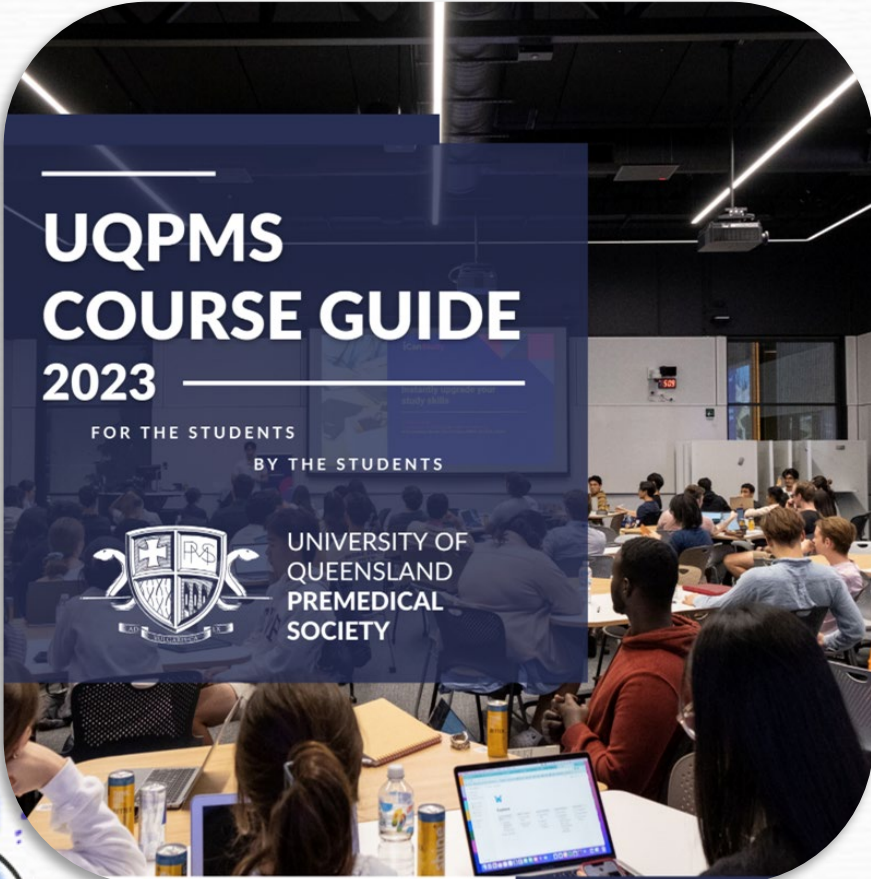
**Study things – Study notes?
What courses are best for
Med?**



ACADEMIC SUPPORT

Available from our website!

Study notes bank – exclusive access



BIOL1020

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

Electronic course profile: https://my.uq.edu.au/programs-courses/course.html?course_code=BIOL1020

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).

the assigned readings and pre-work.

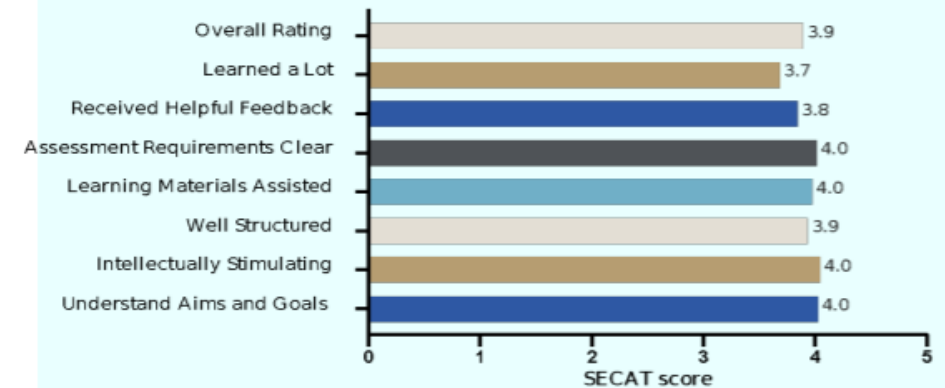
Disadvantages

- 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 Bb 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 lecturers 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



Why UQPMS ?

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Hustling/Networking?

Study things – Study notes?
What courses are best for
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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?
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Med?





Annual Networking night



Workshops & opportunities

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





est. 2010

Fraser's

GAMSAT TUITION

39+

Sponsorships around Brisbane!



THE GOLD STANDARD
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**PREMEDICAL
SOCIETY**

2023
MEMBERSHIP



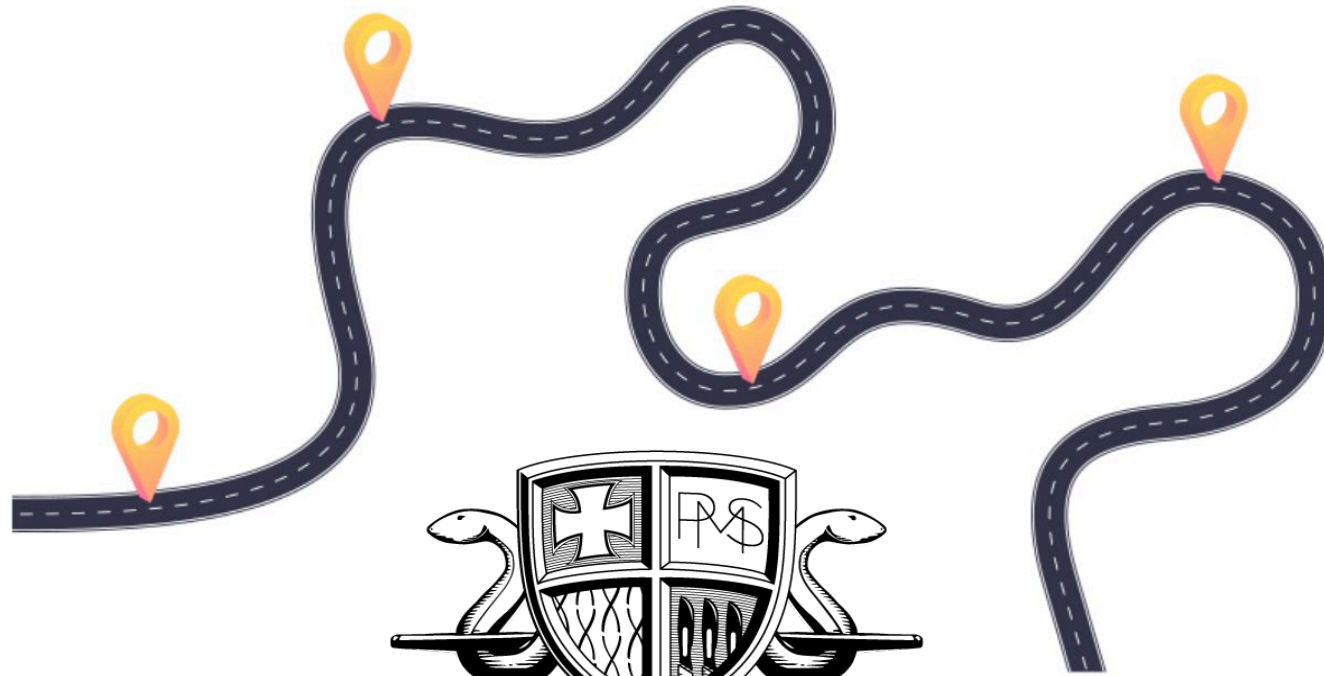
UQPMS



SCAN FOR ALL
SPONSORS AND
DISCOUNTS



Why UQPMS ?



UNIVERSITY OF
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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?



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