

MEDI 1002 FOUNDATIONS OF MEDICINE 1

Credit Points 80

Legacy Code 400861

Coordinator Ritesh Raju ([https://directory.westernsydney.edu.au/search/name/Ritesh Raju/](https://directory.westernsydney.edu.au/search/name/Ritesh%20Raju/))

Description This is a 80 credit point year-long subject taken over two terms (40 credit points in each term). This subject integrates the foundational sciences with clinical skills. Students learn the structure and function of the human body, particularly, whole body organisation, basic anatomy, nutrition and metabolism, function and pathology of the gastrointestinal system (including liver), cardiovascular system and respiratory system. In addition, students will gain an understanding of health psychology, patient experience, the medical system, identifying risk, errors in medical practice, managing error and basic procedures such as hand washing. A particular focus will be the communities that make up Greater Western Sydney. Students will also participate in clinical tutorials and will gain skills in history taking and communication in Session 1H and skills in history and examination of the gastrointestinal tract, cardiovascular system and respiratory systems during Session 2H. The subject outline is available from the link on the left-hand menu.

School Medicine

Discipline General Medicine

Student Contribution Band HECS Band 3 40cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 1 subject

Restrictions

Students must be enrolled in 4641 Bachelor of Medicine, Bachelor of Surgery or 4647 Bachelor of Medical Research.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Patient Care
2. Health in the Community
3. Personal and professional development
4. Scientific basis of medicine

Subject Content

1. The major objectives are to gain an integrated understanding of the structure and function of the human body. This will be addressed at the levels of organ systems, tissues, cells and molecules. The scientific basis of the following topics will be discussed: whole body organisation including basic anatomy, roles of the major organ systems, functional organisation of cells and their specific organelles, characteristics of specialised cells, structure-function characteristics of major biological molecules including carbohydrates, lipids, proteins, enzymes and DNA, the biochemical basis of complex processes such as homeostasis, reproduction and inheritance, growth and development, defence against infectious agents, pathological changes, ageing and death.

2. The unit then examines nutrition and metabolism before exploring the structure, function and pathology of the gastrointestinal system (including liver), cardiovascular system and respiratory system.

3. In the Personal and Professional Development (PPD) stream there is a focus on developmental psychology, the patient experience, the doctor, human interactions, the human in context and the healthcare system.

4. Population health will focus on Evidence Based Medicine in sessions 1 and 2.

5. Introduction to Clinical Medicine will cover generic history taking and communication skills in semester 1 and skills in history and examination of the gastrointestinal tract, cardiovascular system and respiratory systems during semester 2.

Special Requirements

Legislative pre-requisites

Special Requirements - NSW Health Legislative

Prerequisites **Pre-requisites**

Student Compliance Information for all Health-Related Placements

Prior to enrolling in this subject, students must have submitted a Student Undertaking Form and undertake to apply for a National Police Check, which is required to be submitted before placement, and a Working with Children Check Student Declaration. Use the link to the Special Requirements webpage below for more information.

To be eligible to enrol in this subject and complete any required health-related placements or experiences, students must meet Western Sydney University program requirements as well as any special, legislated, or policy-mandated requirements.

Western Program Requirements

Visit the Special Requirements webpage for details about your program.

Special Requirements (https://www.westernsydney.edu.au/currentstudents/current_students/enrolment/special_requirements/)

Mandatory NSW Health student placement policy requirements

To be able to undertake placement in any NSW Health facility you must be assessed as compliant with NSW Health student placement policy in the first year of your program, regardless of when you expect to go on your first placement. Access and read the NSW Student Compliance Information Booklet.

NSW Student Compliance Information Booklet (https://www.westernsydney.edu.au/placements_hub/placements_hub/student_compliance/)

Please ensure that you

1. Find your existing National Police Check or apply for one
2. Gather documentary evidence of your vaccination history
3. Print and complete all relevant NSW Health forms relevant to the campus you are enrolled at or online enrolment requirements
4. Follow booklet instructions on how to have your compliance documents assessed by NSW health staff.

International students have additional requirements; the link to the booklet will inform you of these requirements.

School Requirements

Contact your School for further details regarding your School's requirements, if any, such as

- If you live outside of NSW or Australia and need to meet your state, territory or country's compliance requirements
- If you need to meet different state, territory or country compliance requirements.

- NSW Working with Children Check (WWCC) or other state equivalent, valid for your entire program.
- Current approved first aid certificate valid for your entire program - approved program providers can be found at the Government Training website
- <http://training.gov.au> (<http://training.gov.au/>)
- Other non-health related requirements.

Student Compliance Resources are also available on the Placements Hub web page (NSW students only)

https://www.westernsydney.edu.au/learning_futures/home/placements_hub/placements_hub/student_compliance (https://www.westernsydney.edu.au/learning_futures/home/placements_hub/placements_hub/student_compliance/)

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

| Type | Length | Percent | Threshold | Individual/ Group Task | Mandatory |
|------------------------------------|-------------------------------|---------|-----------|------------------------|-----------|
| Short Answer | 2 hours | 18 | N | | Y |
| Multiple Choice | 2 hours | 18 | N | | Y |
| Multiple Choice | 1 hr | 10 | N | | Y |
| Multiple Choice | 1 hr | 4 | N | | Y |
| Quiz | Compiled throughout 1H and 2H | S/U | N | | Y |
| Essay | Compiled throughout 1H | S/U | Y | | Y |
| Participation | Participation throughout 1H | S/U | Y | | Y |
| Quiz | 30 minutes | S/U | Y | | Y |
| Professional Placement Performance | Throughout 1H | S/U | Y | | Y |
| Practical Exam | 45 minutes | 10 | Y | | Y |
| Short Answer | 2hrs | 22 | N | | Y |
| Multiple Choice | 2 hours | 22 | N | | Y |
| Multiple Choice | 1 hr | 12 | N | | Y |
| Multiple Choice | 1 hr | 6 | N | | Y |
| Multiple Choice | 1 hr | S/U | Y | | Y |
| Critical Review | 200 words throughout 2H | 6 | N | | Y |
| Reflection | 500 words | S/U | Y | | Y |

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|------------------------------------|-------------------------|-----|---|---|
| Applied Project | Compiled throughout 2H | S/U | Y | Y |
| Participation | Throughout 2H | S/U | Y | Y |
| Quiz | 30 minutes | S/U | Y | Y |
| Professional Placement Performance | Throughout placement 2H | S/U | Y | Y |
| Participation | Throughout Subject | S/U | Y | Y |
| Professional Task | 2 hours | S/U | Y | Y |
| Learning Contract | Throughout Subject | S/U | Y | Y |

Prescribed Texts

- The MBBS is an integrated 5 year professional entry program which emphasizes life-long and self-directed learning. Accordingly, there are no prescribed textbooks for subjects in the MBBS program. A list of recommended textbooks is available in the subject Learning Guide.