

MD3002 Module Handbook

Module Code: MD3002

Title: Reproductive, Renal and Gastrointestinal Systems

Semester 2, Academic year 2026/27

Credits: 60

Prerequisites: Enrolment on MD3002 requires passing MD2001 and MD2002

2. Module Overview

MD3002 covers three systems and their interactions – the gastrointestinal, renal, and female and male reproductive systems. In line with previous modules, systems are dealt with separately and begin with the normal structures associated with the system, moving on to physiology, pathology, and finally treatment. In addition, ‘non-systems based’ elements such as medical ethics, health psychology, sociology, communication skills, and global health continue, focused on contemporary problems. These include consideration of global disease burdens, regional problems such as alcoholism in Scotland, and the ethics of individual procedures such as assisted reproductive technologies. Throughout the module are clinical placements in community settings to gain valuable experience of how the knowledge and techniques learned in the degree programme can translate into the real practice of clinical medicine.

Learning Outcomes:

- Describe the detailed structure and function of the gastrointestinal, renal, and reproductive systems
- Explain common disease mechanisms and the rationale and risks behind therapy/treatment/management of disorders pertinent to these body systems
- Demonstrate knowledge and understanding of how to undertake a range of clinical and communication skills and apply clinical reasoning to relevant clinical problems affecting the systems covered
- Apply pertinent ethical, moral and behavioural principles to issues relating to the systems covered
- Discuss relevant infection, public health and health psychology aspects relating to the systems covered
- Demonstrate detailed anatomical knowledge and understanding of the walls and contents of the abdomen and pelvis

3. Teaching delivery

The module comprises twelve teaching weeks over fourteen weeks. There are five weeks before the mid-semester spring vacation (week 6) where no teaching is timetabled.

Then three weeks of teaching before the university breaks for an independent learning week (week 10) where no teaching is timetabled. This is followed by the remaining two weeks of teaching. Gastrointestinal content is covered in teaching weeks 1 to 4, Renal from week 4 to 9, and Reproductive from week 9 to 14.

This module employs all of the various [teaching formats](#) outlined in the School of Medicine handbook. These include:

- Lectures
- Anatomical dissections and laboratory practical classes
- Workshops
- Tutorials
- Clinical skills classes and clinical placements
- Guided studies

Class times and locations can be viewed on the School Curriculum Management portals, [Galen](#). Please note, on rare occasions, classes may be altered in the event of unforeseen circumstances, sometimes at short notice, so please monitor Galen regularly.

When not otherwise in use, private study time in the Dissecting Room or Clinical Skills can be reserved via [Resource Booker](#). The John Forfar Room is available during [student access times](#).

5. Assessment structure and information

All modules contain both formative (practice) opportunities and compulsory summative (contributing to module grade) assessments.

Assessments sample the breadth and depth of knowledge, along with application of knowledge to novel problems. Summative assessments are blueprinted to assess content proportionately to represent the taught curriculum and are not intended to test every learning outcome of a module.

Semester 2 summative assessment methods include:

1. Multiple Choice Questions (MCQs)
2. Short Written Answer Questions (SWAs)
3. Anatomy Practical Exam (APE)
4. Objective Structured Clinical Examination (OSCE)

The mid-semester assessment (MSA) will consist of 60 MCQs (1 h 12 min) and contribute 25% of the module mark. The end semester assessment (ESA) will be composed of two separate knowledge papers: one paper will contain SWAs (1 h 50

min); one paper will contain 60 MCQs (1 h 12 min) and there will be an APE where anatomy knowledge may be assessed using cadaveric material, models or images (10 min). The total number of marks for the ESA is 180 marks (60 for MCQs and 120 for SWA/APE) and will contribute 75% of the module mark.

The final module mark will therefore be determined from a total of 240 marks based on the above MSA/ESA weightings. A simplified summary table is available below:

Assessment	Format	Timing	Weighting
Mid-semester assessment – Multiple choice questions (MCQ)	60 multiple choice questions (72 minutes)	Week 6 (Note: only content up to and including week 5 will be assessed)	25% of module grade
End of semester assessment – MCQ paper	60 multiple choice questions (72 minutes)	May/early June, all teaching assessable	25% of module grade
End of semester assessment – Short Written Answer paper, and anatomy practical exam	Short written answer paper – 11 questions, worth 10 marks each. (110 marks total) – two hours	May/early June, all teaching assessable	50% of module grade
	Anatomy practical exam – five stations of four half-mark questions (10 marks total) – 2 mins per station – 10 mins total	May/early June, all anatomy teaching assessable	

The assessment team will confirm the exact dates, times and locations of the assessments nearer the time – it is students' responsibility to ensure they attend their assessments at the correct place and time so please read these announcements carefully.

In the case of anatomy practical exams where it is necessary to corral students for a period – please ensure you attend the corralling venue as required prior to being taken to the dissection room.

There will be formative assessments which do not count towards the module grade but enable students to consolidate learning and practice the summative assessment methods. Formative assessments help students monitor progress, ability to apply knowledge and can help identify areas of weakness.

Assessment of clinical and communication skills are tested at the end of each academic year. The OSCE consists of two events on separate days in which students

will be tested in 11 stations, normally four of ten minutes duration and seven of five minutes duration. The OSCE is a pass or fail, with no grade attributed to student performance. Failure of the OSCE will necessitate a resit and passing this is a requirement for completion of the module. The minimum number of stations to pass is set at 60% i.e. 7 out of 11 stations AND overall pass mark must be achieved for the entire exam (calculated via borderline regression). More information will be provided by the clinical skills team and can be found in the BSc/MBChB Phase 1 assessment policy in Medhandbook – link below.

Assessment of professionalism via the portfolio will be continuous across both semester 1 and 2. The portfolio is simply a pass or fail component and no grade is attributed to student performance. Failure to complete more than two portfolio components satisfactorily, will result in a formal portfolio review and remediation, to successfully complete the module/programme.

Assessment related information and policies can be found on this page of the MedHandbook: https://medhandbook.st-andrews.ac.uk/assessment-information-for-ug-students/?asl_highlight=assessment&p_asid=1 `

Additional assessment information:

Students assessed by the university as requiring additional time (usually 25% extra) will receive the necessary adjustment to the above exam durations.

To pass the module, the weighted average from all assessments must equal or exceed the pass mark determined for the module – therefore it is not necessary to pass every part of the assessment if the overall total is sufficient. Students will receive a percentage grade for each assessment as well as an overall module grade on the University 20-point scale.

A resit opportunity will be provided in July, with the format of a 90-mark MCQ paper and nine 10-mark SWA questions (worth 90 marks total). Resit scores are capped at 7 on the University 20-point scale.

It is also possible to defer any (or multiple) summative assessment(s) subject to the approval of the school – those who feel they may require a deferral are encouraged to contact the assessment team and director of teaching at the earliest opportunity.

Students who have not S-coded a previous module have the right to S-code this module in the event of sustained impact on their personal circumstance during all or most of the semester. While they are still required to pass the assessment, the module grade will not contribute to overall degree classification if S-coding is granted. Please see the university policy on S-coding modules.

6. Reading and Resources

The university subscribes to a large collection of medical texts that can be accessed online or as hard copies at the library. These can be accessed at the following links: [Online reading list](#) and [main texts](#).

Key reading for MD3002 includes:

- Clinically Orientated Anatomy (Keith L. Moore, Arthur F. Dalley II, Anne M.R. Agur.) 9th edition – chapters 4 and 5.
- Crash Course Renal and Urinary System (Timothy L. Jones)
- Guyton and Hall textbook of medical physiology (John E. Hall and Michael E. Hall.) 14th edition – chapters 26-32, 63-73, 81-84

Additional reading and resources associated with specific elements will be identified on the element page on Galen. Please make every effort to do the relevant reading in preparation for practical classes.

7. Attendance

You are expected to attend all scheduled teaching. With the exception of lectures, all classes on MD3002 have monitored attendance and are considered compulsory. Attendance is monitored by paper registers, and it is students' responsibility to ensure they sign in. Failure to do so cannot be disputed. Please familiarise with the [School absence policy and consequences for non-attendance](#).

In the event of illness or other unforeseen circumstances please ensure to self-certify any absences using the following documentation ([self-certification forms](#)).

8. Policies

Students enrolled on MD3002 are required to be familiar with and abide by several important School and University policies.

Academic/coursework policies include avoiding [academic misconduct and following good academic practice](#), the prohibition of generative AI in summative coursework, and penalties for the [late submission](#) of summative coursework.

Details on grade descriptors and reporting scale for the module can be found in point 35 of the school assessment policy (accessible [here](#)).

Finally, all students must conduct themselves in accordance with the [inclusive curriculum statement](#) at all times.

9. Support and Contacts

- For issues of MD3002 administration please contact the MD3002@st-andrews.ac.uk inbox.

- For issues of academic content please contact the element owner, whose details will be available on the element page on Galen.
- For general queries, the School Teaching Support Office is located on Level 3 of the School (room 337) and open during 9-5pm Monday – Friday.
- For pastoral support and advice – appointments can be made by contacting medsupport@st-andrews.ac.uk or [student services](#).
- For study skills advice, including 1:1 appointments please contact the International Education and Lifelong Learning Institute (IELLI). Support can be viewed at: <https://www.st-andrews.ac.uk/lifelong-learning/support/undergraduate/>
- [University Student Handbook](#) provides information and links to relevant policies