

Glasgow School of Art Course Specification

Course Title: Structure and Function of the Human Body 1



Course Code	HECOS Code	Academic Session
PMVS206		2023-24

Course Title	Structure and Function of the Human Body 1
Course Contact	Dr Jenny Clancy

Credits	20
SCQF Level	11
When Taught	Semester 2

Associated Programmes	MSc Medical Visualisation and Human Anatomy
Lead School	School of Innovation and Technology
Other Schools	N/A
Date of Approval	Programme Approval March 2023

Course Introduction

This course introduces students to the approaches and techniques used in studying anatomy, with a particular focus on the anatomy of the cardiorespiratory, gastrointestinal and genitourinary systems. Students will study each system in detail including microanatomy, development and macroanatomy.

Course Aims

The course aims to:

- Introduce a variety of approaches to investigating human anatomy including histology, imaging, prosection and dissection;
- Provide the opportunity to study the anatomy of the cardiorespiratory, gastrointestinal and genitourinary systems.
- Demonstrate the relationship between anatomical structure and physiological function.

Course Intended Learning Outcomes

By the end of this course students will be able to:

1. Demonstrate an understanding of the variety of techniques that can be employed to investigate human anatomy;
2. Demonstrate a detailed knowledge and understanding of the anatomy of the cardiorespiratory, gastrointestinal and genitourinary systems;
3. Evaluate the advantages and disadvantages of different imaging techniques for different tissues/organs;
4. Evaluate and communicate recent relevant research.

Indicative Content

This course will cover:

A variety of techniques employed in anatomical teaching and research;
the anatomy of the cardiorespiratory, gastrointestinal and genitourinary systems;
The relationship between structure and function of organs.

Description of Learning and Teaching Methods

The anatomy courses are taught in individual 4 week blocks, with assessment in the fourth week. This course is the second of three anatomy courses, and is delivered and assessed across weeks 5 to 8 of Semester 2.

Delivery by the course coordinator, deputy coordinator and other academic staff at UoG with the support of 2 anatomy demonstrators.

Each session consists of brief online preparatory material (videos or links to anatomy resources) followed by a practical laboratory. Practical labs will consist of a variety of recourses including microscopes, prosections, medical imaging, and cadaveric dissection. Each week there is also an independent task (e.g. writing a MCQ or labelling exercise) to reinforce learning

Indicative Contact Hours	Notional Learning Hours
34	200

Description of Formative Assessment and Feedback Methods

Individual feedback is available during practical labs to provide formative assessment.

Description of Summative Assessment arrangements

For this course, students will be assessed using the following methods:

- Coursework 1 weighting: 20% (assessing LO1-4)
Group oral presentation on a body system, and relevance of imaging
- Coursework 2 weighting: 80% (assessing LO1 and LO2)
Practical examination based on prosected anatomical material – a “spot” examination. This will require identifying major anatomical structures

Submissions will be assessed and moderated in line with the Code of Assessment. Written feedback will be given.

Reassessment opportunities where a student has not passed the course are outlined in the Code of Assessment.

Description of Summative Assessment Method	Weight %	Submission week
Group Presentation	20%	Week 8
Anatomical specimen spot test	80%	Week 8

Exchange/Study Abroad

Can this course be taken by Exchange/Study Abroad students?	No
Are all the students on the course taught wholly by distance learning?	No
Does this course represent a work placement or a year of study abroad?	No
Is this course collaborative with any other institutions?	Yes
If yes, then please provide the names of the other teaching institutions	The University of Glasgow

Reading and On-line Resources

Students have access to the following resources through Clinical Key using their University of Glasgow login details:

Moore, K.L., Dalley, A.F. and Agur, A.M.R. (2009) Clinically Oriented Anatomy 6th edn. Lippincott Williams and Wilkins. ISBN 978-0781775250

ATLASES

Gosling, J.A., Harris, P.F., Humpherson, J.R., Whitmore, I., and Willan, P.L.T. (2008) Human Anatomy: Color Atlas and Textbook: With STUDENT CONSULT Online Access. 5th edn. Mosby. ISBN 978- 0723434511

Rohen, JW, Yokochi, C and Lutjen-Drecoll, E. (2010) Color Atlas of Anatomy: A photographic study of the human body. 7 edn. Lippincott Williams and Wilkins. ISBN 978-1582558561

Abrahams, P.H., Boon, J., and Spratt, J.D. (2007) McMinn's Clinical Atlas of Human Anatomy (6th edn.) Mosby. ISBN 978-0323036054

Students also have online access to the following resources through thePoint:

Grant's Dissection Videos

Medical Embryology Animations