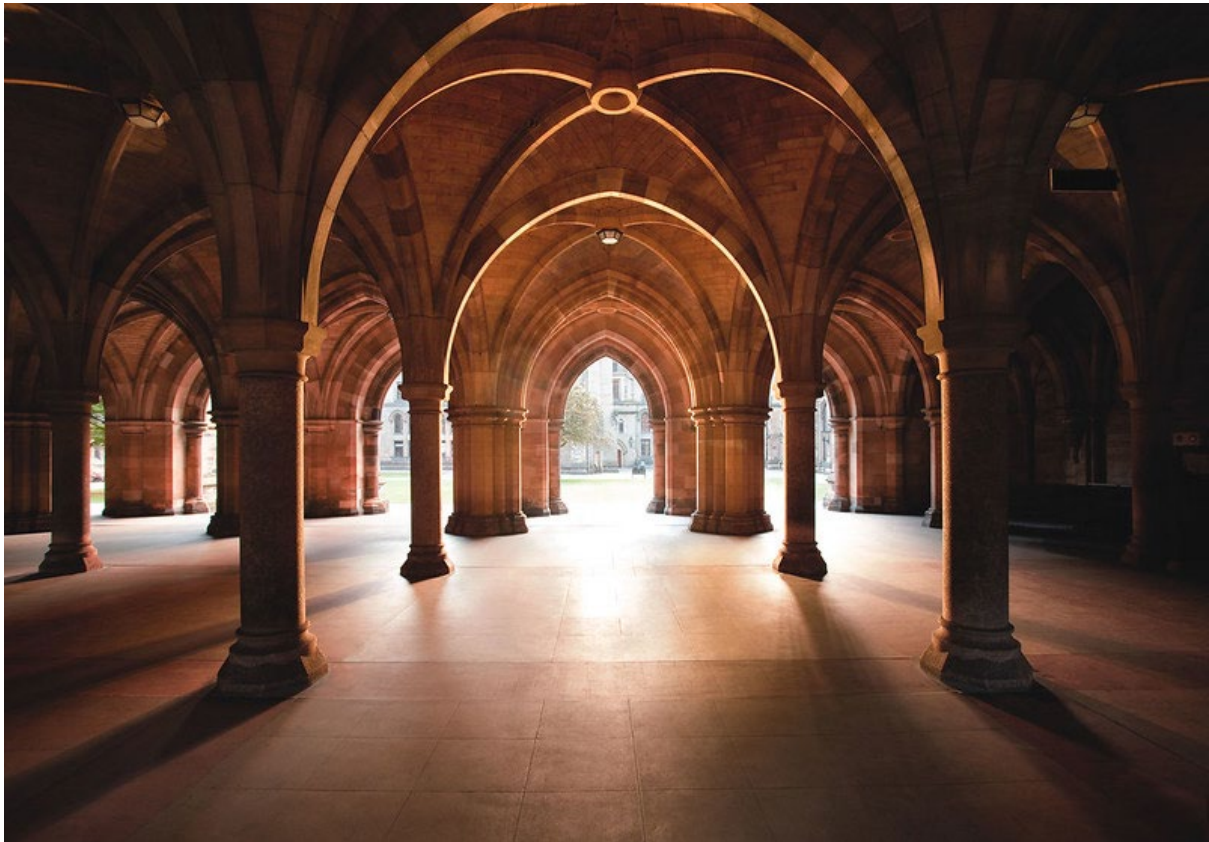


**Glasgow School of Art Course Specification**

**Course Title: Introduction to Anatomy: Cells to Organs**



*Please note that this course specification is correct on the date of publication but may be subject to amendment prior to the start of the 2024-25 Academic Year.*

Course Code	HECOS Code	Academic Session
PMVS205		2024-25

<b>Course Title</b>	Introduction to Anatomy: Cells to Organs
<b>Course Contact</b>	Dr Jenny Clancy

<b>Credits</b>	20
<b>SCQF Level</b>	11
<b>When Taught</b>	Semester 2

<b>Associated Programmes</b>	MSc Medical Visualisation and Human Anatomy
<b>Lead School</b>	School of Innovation and Technology
<b>Other Schools</b>	N/A
<b>Date of Approval</b>	Programme Approval March 2023-24

#### Course Introduction

This course provides students with an introduction to the study of anatomy, including anatomical terminology and the legislation around body donation. It will explore how microanatomy relates to the macro-anatomical structure of organs. It will also introduce the study of embryology to aid understanding of the basic body layout.

#### Course Aims

The course aims are to:

- Introduce the study of anatomy including anatomical terminology and relevant legislation;
- Allow students to understand the laboratory rules and regulations related to good practice in anatomical teaching;
- Introduce students to fundamental principles of cell biology and relate these building blocks to the anatomy of organs;
- Provide experience in using microscopes to view and interpret histology slides;
- Introduce the field of embryology and relate early development from fertilisation to the formation of the basic body plan;
- Explore the challenges and potential solutions to viewing microscopic 3D structures to enhance anatomical learning.

#### Course Intended Learning Outcomes

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

- Demonstrate a detailed knowledge related to the Anatomy Act (1984), its subsequent revisions under the Human Tissue (Scotland) Act 2006, and the relevance of this to anatomically related training
- Undertake critical evaluation of anatomical research and advances within the field
- Communicate with staff using appropriate methods and terms
- Relate the cellular composition and microanatomy of tissues to the anatomy of organs

- Explain the importance of early embryonic development in determining the basic body plan.

### Indicative Content

This course will cover:

- issues related to body donation, legislation, cadaveric dissection and health and safety including best practice in a laboratory of human anatomy
- anatomical terminology and its importance in professional communication
- Basic cell biology and composition of the 4 basic tissue types
- The relationship between microanatomy and macro-anatomy
- Embryology and its importance in understanding human anatomy with focus on gastrulation and embryonic folding.

### Description of Learning and Teaching Methods

The anatomy courses are taught in individual 4 week blocks, with assessment in week 4 of 4. This course is the first of three anatomy courses, and is delivered and assessed across weeks 1 to 4 of Semester 2.

Delivery by the course coordinator, deputy coordinator and other profs, senior lecturers and lecturers 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 seminar or practical laboratory. Practical labs will consist of modelling exercises or using microscopes to view and draw structures. 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 seminars and practical labs to provide formative guidance.

### Description of Summative Assessment arrangements

For this course, students must submit:

Coursework 1 weighting: 20% (assessing LO1, LO4 or LO5)

- Group presentation related to body donation, cellular biology or embryology incorporating recent research publications a

Coursework 2 weighting: 80% (assessing LO1-5)

- Multiple choice questions covering the above aims and outcomes

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 4
Multiple Choice class test / exam	80%	Week 4

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
<p>Students have access to the following resources through Clinical Key using their University of Glasgow login details:</p> <p>Moore, K.L., Dalley, A.F. and Agur, A.M.R. (2009) Clinically Oriented Anatomy 6th edn. Lippincott Williams and Wilkins. ISBN 978-0781775250</p> <p>Craven, J., Abrahams, P., and Lumley, J. (2005) Illustrated Clinical Anatomy. Hodder Arnold. ISBN 978-0340807439</p> <p>ATLASES</p> <p>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</p> <p>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</p> <p>Abrahams, P.H., Boon, J., and Spratt, J.D. (2007) McMinn's Clinical Atlas of Human Anatomy (6th edn.) Mosby. ISBN 978-0323036054</p>