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Refer to guidance notes for completion of each section of the specification.

<b>Module Code:</b>	SCI519
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<b>Module Title:</b>	Anatomy, Pathology & the Forensic Examination of Human Remains
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<b>Level:</b>	5	<b>Credit Value:</b>	20
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<b>Cost Centre(s):</b>	GAFS	<b>HECoS code:</b>	100386
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<b>Faculty:</b>	FAST	<b>Module Leader:</b>	Amy Rattenbury
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Scheduled learning and teaching hours	24 hrs
Placement tutor support	0hrs
Supervised learning eg practical classes, workshops	6 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
<b>Total contact hours</b>	<b>30 hrs</b>
Placement / work based learning	0 hrs
Guided independent study	170 hrs
<b>Module duration (total hours)</b>	<b>200 hrs</b>

<b>Programme(s) in which to be offered (not including exit awards)</b>	Core	Option
BSc (Hons) Forensic Science	✓	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

<b>Pre-requisites</b>
None

<b>Office use only</b>	
Initial approval: Feb 2017	Version no:1
With effect from: 01/09/2018	
Date and details of revision: 5/8/20	Version no:3
Temporary change to assessment for 2020/21 post Covid.	
22/9/21 Temporary assessment change extended for 21/22	
27/10/2022 Removal of temporary assessment change	

**Office use only****Module Aims**

This module will familiarise students with the basic concepts of anatomy and pathology, and how in particular these link to forensic science. Students will be introduced to the post-mortem examination of human remains and will pay particular attention to the roles of the forensic pathologist and anthropologist relating to establishing identity and the cause and manner of death.

**Module Learning Outcomes - at the end of this module, students will be able to**

1	Demonstrate an understanding of anatomy and pathology.
2	Demonstrate an awareness of the roles of the pathologist and anthropologist.
3	Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and pathology.
4	Demonstrate an understanding of post-mortem examination procedures.
5	Demonstrate an understanding of the different types of causes and manners of death.

<b>Employability Skills The Wrexham Glyndŵr Graduate</b>	<b>I = included in module content A = included in module assessment N/A = not applicable</b>
<i>Guidance: complete the matrix to indicate which of the following are included in the module content and/or assessment in alignment with the matrix provided in the programme specification.</i>	
<b>CORE ATTRIBUTES</b>	
Engaged	IA
Creative	I
Enterprising	N/A
Ethical	IA
<b>KEY ATTITUDES</b>	
Commitment	IA
Curiosity	IA
Resilient	IA
Confidence	I
Adaptability	IA
<b>PRACTICAL SKILLSETS</b>	
Digital fluency	IA
Organisation	I
Leadership and team working	I
Critical thinking	I
Emotional intelligence	IA
Communication	IA

## Derogations

None

## Assessment:

Indicative Assessment Tasks:

*Guidance: please ensure you add indicative **word count** and **durations** within the narrative body of this section*

Assessment 1: Presentation (50%). On a cause of death case study from an approved list  
Duration 15 mins.

Assessment 2: Unseen written exam (50%). Duration 2hrs.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1, 3 &5	Presentation	50%
2	1,2,4,5	Examination	50%

## Learning and Teaching Strategies:

Methods of delivery:

- PPT Lectures
- Practical sessions
- Dissections (either practical or virtual depending on sourcing of materials and student preference)
- Case studies/mini tests
- Directed study using VLE (Moodle)

## Syllabus outline:

- Anatomical terminology and planes
- Gross anatomy
- Microanatomy
- Histology (preparation, stains, etc.)
- Basic pathology
- Histopathology
- Forensic anthropology
- Forensic pathology
- Forensic facial reconstruction
- Human Tissue Act

**Indicative Bibliography:****Essential reading**

Martini F.H., Nath J.L., Bartholomew E.F. (2018) *Fundamentals of Anatomy and Physiology, 11th Edition*, San Francisco: Pearson (Benjamin Cummings).

**Other indicative reading**

Hutchinson, M. Mallet, J. and Marieb, E.N. (2014) *A Brief Atlas of the Human Body, 2nd Edition* Harlow: Pearson Education Ltd.

Gartner, L.P. and Hiatt, J.L. (2014) *Colour Atlas of Histology, 6th Edition* Maryland: Lippincott Williams & Wilkins.

Knight, B. and Saukko, P. (2016) *Knight's Forensic Pathology, 4th Edition*, Boca Raton: CRC Press

White, T.D. and Folkens, P.A. (2005) *Human Bone Manual*, Burlington: Elsevier Academic Press.

Wilkinson, C. (2004) *Forensic Facial Reconstruction*, Cambridge: Cambridge University Press.