1. KentVision Code and title of the module

SACO8140 (SE814) Advanced Human Osteology and Anatomy

## Division and School/Department or partner institution which will be responsible for management of the module

School of Anthropology and Conservation. Division of Human and Social Sciences*.*

## The level of the module (Level 4, Level 5, Level 6 or Level 7)

Level 7

## The number of credits and the ECTS value which the module represents

15 credits (7.5 ECTS)

## Which term(s) the module is to be taught in (or other teaching pattern)

Autumn

## Prerequisite and co-requisite modules and/or any module restrictions

*None*

## The course(s) of study to which the module contributes

MSc Forensic Osteology and Field Recovery Methods*.*

## The intended subject specific learning outcomes.On successfully completing the module students will be able to:

8.1. demonstrate an advanced understanding of human hard tissue, including the development, form and function of bone and muscle, and interpretation of morphological features of bone.

8.2 demonstrate an advanced knowledge of the main muscle groups, attachment sites on bone (origin and insertion), action for each muscle.

8.3. demonstrate an advanced practical ability to identify both complete human bones, and bone fragments, from physical specimens.

## 8.4 determine the difference between human bone and animal bone, from both actual bone fragments and images.

8.5. have an advanced understanding of the ethical treatment of human remains in a medical-legal context

## The intended generic learning outcomes.On successfully completing the module students will be able to:

9.1. demonstrate advanced level of critical thinking and problem solving.

9.2. demonstrate advanced level of independent learning and time management.

9.3. demonstrate advanced organisational and presentational skills and deliver information in a clear and concise manor.

9.4. demonstrate advanced development of laboratory and practical skills.

9.5. demonstrate further development of communication by a variety of methods.

## A synopsis of the curriculum

In this module students are introduced to the human skeleton (adult and juvenile) and soft tissue (major muscle groups) identification. They are provided with in depth information on how to identify individual bones (complete and fragmented), how to side paired bones by being familiarly with all pertinent landmarks on the bone. Students will gain advanced knowledge of the origin and insertion of all major muscle groups. They will be introduced to size and shape variation present in the human skeleton including variations due to biological sex, ethnic affinity and temporal changes.

## Reading list

Gosling, Harris, Humperson, Whitmore, and Willan 2016 Human Anatomy Color Atlas and Text 6th edition. Mosby and Wolfe

Schwartz, J.H. 2006 Skeleton Keys: An introduction to Human Skeletal Morphology, Development, and Analysis. Second Edition. Oxford University Press

White, T.D., Black, M.T., Folkins, P.A. 2012 Human Osteology 3nd Ed. Academic Press

## Contact Hours

Total contact hours: 24

Private study hours: 126

Total study hours: 150

## Assessment methods

13.1 Main assessment methods

Test 1 – 30 Minute Practical Bone Quiz (10%)

Test 2 – 30 Minute Practical Bone Quiz (10%)

Test 3 – 30 Minute Practical Bone Quiz (10%)

Test 4 – 30 Minute Practical Bone Quiz (10%)

Test 5 – 30 Minute Practical Bone Quiz (10%)

Mystery box bone report (Max 3000 words) (50%)\*

\*This element is pass compulsory and must be passed to achieve the learning outcomes of the module.

13.2 Reassessment methods

Like for Like.

## Map of module learning outcomes (sections 9 & 10) to learning and teaching methods (section 13) and methods of assessment (section 14)

**Module learning outcomes against learning and teaching methods:**

| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Private Study | **X** | **X** | **X** |  | **X** |  | **X** |  |  |  |
| *Lab Practicals* | **X** | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** | **X** |

| **Module learning outcome** | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Bone Quizzes* | **X** | **X** | **X** | **X** |  | **X** | **X** |  | **X** |  |
| *Mystery Box Bone Report* | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |

**Module learning outcomes against assessment methods:**

## Inclusive module design

The Division recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

## Campus(es) or centre(s) where module will be delivered

Canterbury.

## Internationalisation

All methods taught in this module were developed in USA, UK and Europe. All methods taught will have international application in forensic anthropology. The skills learned her are transferable to any country needing human identification of hard tissue. The reading list is developed from international peer reviewed journals as well as the books mentioned above*.*

**If the module is part of a course in a Partner College or Validated Institution, please complete sections 19 and 20. If the module is not part of a course in a Partner College or Validated Institution these sections can be deleted.**

## Partner College/Validated Institution

## University Division responsible for the course

 Human and Social Sciences

**DIVISIONAL USE ONLY**

**Module record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

| Date approved | New/Major/minor revision | Start date of delivery of (revised) version | Section revised(if applicable) | Impacts PLOs (Q6&7 cover sheet) |
| --- | --- | --- | --- | --- |
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