

### Course Syllabus

- 1. Program of Study** Bachelor of Science (Biological Sciences)  
**Faculty/Institute/College** Mahidol University International College
- 2. Course Code** ICBI 305  
**Course Title** Human Anatomy I
- 3. Number of Credits** 4 (2-4-6) (Lecture/Lab/Self-study)
- 4. Prerequisite (s)** ICBI 204
- 5. Type of Course** Elective course
- 6. Trimester/ Academic Year**  
 Summer Session / Every academic year
- 7. Course Condition**  
 Number of student is 20-30.

### 8. Course Description

Human anatomy and function. Laboratory exercises include dissections of human cadavers: head, neck, back, anterior chest wall and upper limbs.

### 9. Course Objective (s)

1. To be able to dissect the cadaver
2. To be able to describe to normal structures and function of the Back, Pectoral region, Axilla, Upper limb and Thoracic wall
3. To be able to explain the relationship between the structures in each region

### 10. Course Outline

week	Topics/Seminar	Hours			Instructor
		Lecture	Lab	Self-study	
1	Introduction & Back : Lab:- Superficial and deep layer of the back - Vertebral canal and spinal cord Superficial and deep layer of the back - Vertebral canal and spinal cord Pectoral region and axilla	2	4	6	Dr. Pornchan
2	Upper Limb I-II Lab:- Superficial structure, Scapular region, flexor of arm - Flexor of forearm and palm of hand	2	4	6	Dr. Kanokpan
3	Upper Limb III-IV Lab:- Extensor of arm, forearm and hand	2	4	6	Dr. Kanokpan

	- Joints of upper limb				
4	Neck I-II: Lab:- Posterior and anterior triangle of the neck	2	4	6	Dr. Wantanee
5	Neck III-IV: Lab:- Structures under sternocleidomastoid & Root of the Neck	2	4	6	Dr. Wantanee
6	Mid-term Examination	2	4	6	
7	Head I-II Lab:- Face, cranial cavity, cranial meninges and dural venous sinus - Orbit, Ear	2	4	6	Dr. Somluk
8	Head III Lab:- Temporal & Infratemporal region, Prevertebral region, pharynx, Nasal cavity	2	4	6	Dr. Somluk
9	Head VI Lab:- Larynx, Mouth, Submandibular region	2	4	6	Dr. Somluk
10	Thorax I Lab:- Thoracic wall and pleura	2	4	6	Dr. Wantanee
11	An overview of ANS	2	4	6	Dr. Wantanee
<b>Final Examination</b>					
	Total	22	44	66	

### 11. Teaching Method (s)

Lecturing, dissection the cadaver in laboratory and searching new information from the Internet.

### 12. Teaching Media

Lecture: Power Point, handout, recommended textbook, CD-Rom  
Laboratory: Cadaver, dissecting instruments, dissection guide.

### 13. Measurement and Evaluation of Student Achievement

Student achievement is measured and evaluated by

- 13.1 The ability to dissect the cadaver
- 13.2 The ability to describe to normal structures and function of the Back, Pectoral region, Axilla, Upper limb and Thoracic wall
- 13.3 The ability to explain the relationship between the structures in each region

Student's achievement will be graded according to the college and university standard using the symbols: A, B+, B, C+, C, D+, D and F. Students must attend at least 80% of the total class hours of this course.

Ration of mark

\*Midcourse Examination

Written examination	20%
Practical examination	20%

\*Final Examination

Written examination	20%
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Practical examination	20%
*Program in dissection and attendance	10%
*Quiz & Viva	10%

#### 14. Course evaluation

14.1 Students' achievement as indicated in number 13 above.

14.2 Students' satisfaction towards teaching and learning of the course using questionnaires.

#### 15. Reference (s)

Recommended textbook and Atlas

1. Agur, A.M.R. Grant's atlas of anatomy. 10<sup>th</sup> Edition. USA. William & Wilkins. 1999.
2. Snell, R.S. Clinical anatomy for medical students. 6<sup>th</sup> Edition. USA. Little Brown and Company, 2000.
3. Moore K.L. and Agur, A.M.R. Essential clinical anatomy. 2<sup>nd</sup> Edition. USA. Lippincott Williams & Wilkins, 2002.
4. Netter F.H. Atlas of human anatomy. 3<sup>rd</sup> Edition. USA. Icon Learning System Publishers. 2003.

Dissection Guide

1. Weber, J.C. Shearer's manual of human dissection. 8<sup>th</sup> Edition. USA. McGraw-Hill. 1999.

#### 16. Instructor (s)

Associate Professor Wantanee Trakulrungsi  
 Assistant Professor Dr. Porncharn Saitongdee  
 Dr. Kanokpan Wongprasert  
 Dr. Somluk Asuvapongpatana

#### 17. Course Coordinator

Associate Professor Wantanee Trakulrungsi