Course Syllabus

1. Program of Study Bachelor of Science (Biological Sciences)
Faculty/Institute/College Mahidol University International College

2. Course Code ICBI 306
Course Title Human Biology II

3. Number of Credits 4 (2-4-6) (Lecture/Lab/Self-study)

4. Prerequisite*(s)* ICBI 305

5. Type of Course Elective course

6. Trimester/ Academic Year 1st trimester/ Every academic year

7. Course Condition Number of students is 20-30.

8. Course Description

Human anatomy and function. Laboratory exercises include dissections of human cadavers: thorax, abdomen, pelvis, perineum and lower 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 thorax, abdomen, pelvis, gluteal region and lower limb
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	Thorax II: Lab: Pericardium and heart	2	4	4	Dr. Wantanee
2	Thorax III: Lab: Trachea, Bronchi & Lung Posterior mediastinal	2	4	4	Dr. Wantanee
3	Abdomen I Lab: Abdominal wall Scrotum penis, Testes	2	4	4	Dr. Pornchan
4	Abdomen II-III Lab: Inguinal region Abdominalcavity and stomach	2	4	4	Dr. Pornchan
5	Abdomen IV-V Lab: Spleen, lier, pancreas and intestine Posterior abdominal wall, kidney, diaphragm, suprarenal gland aorta and IVC	2	4	4	Dr. Pornchan

6	Perineum and Pelvis I Lab:- Perinieum	2	4	4	Dr. Somluk
7	Perineum and Pelvis II Lab:- Perinium Urogenital	2	4	4	Dr. Somluk
8	Perineum and Pelvis III-IV Lab:- Male pelvis & female	2	4	4	Dr. Somluk
9	Lower limb I - Lab:- Superficial structure of the lower limb - Anterior an dmedial part of the thigh - Gluteal region	2	4	4	Dr. Somluk
10	Lower limb II - Lab:- Posterior part of the thigh and popliteal fossa - Posterior & lateral parts of the leg	2	4	4	Dr.Wantanee Dr.Kanokpan
11	Lower limb III-IV - Lab:- Anterior part of leg, dorsum of foot - Sole of foot - Joints of the lower limb	2	4	4	Dr. Kanokpan
Final Examination					
	Total	22	44	44	

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 thorax, abdomen, pelvis, gluteal region and lower limb

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. Assessment made from the set-forward criteria: students, who get 80% up, will have grade A 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%

- 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.

14. Reference *(s)*

Recommended textbook and Atlas

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

Dissection Guide

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

15. Instructor *(s)*

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

16. Course Coordinator

Associate Professor Wantanee Trakulrungsi