Module Handbook

Module Name:	**Anatomy and Physiology**
Module Level:	Undergraduate
Abbreviation, if applicable:	FIB 312
Sub-heading, if applicable:	-
Courses included in the module, if applicable:	-
Semester/term:	6th / third Year
Module coordinator(s):	Dr. Bambang Purwanto, dr. M.Kes
Lecturer(s):	Dr. Bambang Purwanto, dr. M.Kes Dr. Prihartini Widiyanti, drg. M.Kes
Language:	Bahasa Indonesia
Classification within the curriculum	~~Compulsory Course~~ / Elective Studies
Teaching format / class hours per week during semester:	2 hours lectures (50 min / hour)
Workload:	2 hours lectures, 2 hour structural activities, 2 hours individual study, 14 week per semester, and total 78 hours per semester ~2.6 ECTS
Credit Points:	2
Requirements:	Biophysics
Learning goals/competencies:	**General Competence (Knowledge):** Anatomy and Physiology is the basic of science for supporting medical physics. This lecture contains understanding and applications needed to support the results of diagnostic radiology images, nuclear medicine, radiotherapy, MRI, ultrasound, ionizing radiation and non-ionizing radiation. **Specific Competence:** Students of the Physics study program are able to explain (C2) medical terminology, identify roughly anatomical structures, define a large part of the organ system, and describe physiological mechanisms for repair, care and growth. **Skills:** - to communicate scientific topic according medical Physics
Content:	Anatomy of the body, skeletal system, spinal column, thorax and the results of images, abdomen and image results, respiratory system, digestive system, urinary system and image results, reproductive system and images, circulation system/vascular system, cardiovascular pathology, digestive and reproductive pathology, Neural network pathology
Attribut soft skill	Active and good communication
Study/exam achievements:	Students are considered to be competent and pass if at least get 40 of maximum mark of the exams (UTS dan UAS), structured activity (group discussion). Final score (NA) is calculated as follow: 15% assignment 1 + 15% assignment 2 + 35% UTS + 35% UAS

	Final grade is defined as follow : A : 75 – 100 AB : 70 - 74.99 B : 65 - 69.99 BC : 60 - 64.99 C : 55 - 59.99 D : 40 - 54.99 E : 0 - 39.99
Forms of Media:	Slides and LCD projectors, whiteboards
Learning Methods	Lecture, assessments and group discussion
Literature:	1. Valerie C Scanlon., Tina Sanders., 2007., *Essentials Of Anatomy and Physiology*, F.A.Davis Company, Philadelphia 2. Rasad, Sjahriar, 2013., Radiologi Diagnostik., UI Jakarta 3. R.Putz dan R.Pabst, 2010., Atlas Anatomi Manusia. Sobota 4. Serwood, Fisiologi Manusia: dari sel ke sistem, EGC (2010) 5. Despopoulus, A., 2003., Color of Physiology, Thieme, Sttugart, New York
Notes:	*Total ECTS = {(total hours workload × 50 min) / 25 hours Each ECTS is equals with 25 hours.