**Course Description Form**

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| 1. Course Name: | | | | | | | | |
| Physiology II | | | | | | | | |
| 1. Course Code: | | | | | | | | |
|  | | | | | | | | |
| 1. Semester / Year: | | | | | | | | |
| Third Year\second semester | | | | | | | | |
| 1. Description Preparation Date: | | | | | | | | |
| 2024-03-19 | | | | | | | | |
| 1. Available Attendance Forms: | | | | | | | | |
| presence in the classroom, lab | | | | | | | | |
| 1. Number of Credit Hours (Total) / Number of Units (Total) | | | | | | | | |
| 60 hours\ 3 units | | | | | | | | |
| 1. Course administrator's name (mention all, if more than one name) | | | | | | | | |
| Name: Ahmed oudah kadhim  Email: ahmed.oudah@uowa.edu.iq | | | | | | | | |
| 1. Course Objectives | | | | | | | | |
| **Course Objectives** | | | | * **To get a practical skill, and developing professional capabilities of students.** * **To learn how to diagnose some physiological problem.** * **To learn basic concepts of physiological subjects which is related with devices and instrument.** * **To understand physiology of blood (part 2)** * **To know about physiology of some organ like kidneys.** * **To learn about acidity and alkalinity of blood.** * **To understand the physiology of hormones.** * **To understand the physiology of Circulatory system.** | | | | |
| 1. Teaching and Learning Strategies | | | | | | | | |
| **Strategy** | | Assessment is based on hand-in assignments, written exam, Case study, Quizzes,  seminars, Practical testing and Online testing. | | | | | | |
| 1. Course Structure | | | | | | | | |
| **Week** | **Hours** | | **Required Learning Outcomes** | | **Unit or subject name** | | **Learning method** | **Evaluation method** |
| 1 | 4 | | Learn about the cardiovascular system, action partial | | Cardiovascular system, action partial, | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 2 | 4 | | Learn about the  functional design of cardiovascular system, electrophysiology of the heart ECG | | functional design of cardiovascular system, electrophysiology of the heart ECG | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 3 | 4 | | Learn about the  cardiac cycle,  cardiac output | | cardiac cycle,  cardiac output | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 4 | 4 | | Learn about the  blood pressure, muscle and nerve | | blood pressure, muscle and nerve | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 5 | 4 | | Learn about the  excitable tissue, nervous tissue | | excitable tissue, nervous tissue | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly |
| 6 | 4 | | Learn about the types of nerves, excitation of the muscle | | types of nerves, excitation of the muscle | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly |
| 7 | 4 | | Learn about the  theories of contraction, muscle contraction change | | theories of contraction, muscle contraction change | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly |
| 8 | 4 | | Learn about the  fatigue, smooth muscle | | fatigue, smooth muscle | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly |
| 9 | 4 | | Learn about the  cardiac muscle, neuromuscular transmission | | cardiac muscle, neuromuscular transmission | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly |
| 10 | 4 | | Learn about the  autonomic nervous system, anatomical consideration and autonomic reflex arch | | autonomic nervous system, anatomical consideration and autonomic reflex arch | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 11 | 4 | | Learn about the  sympathetic and parasympathetic nervous  system, higher anatomical centers and neurotransmitters in autonomic nervous system | | sympathetic and parasympathetic nervous  system, higher anatomical centers and neurotransmitters in autonomic nervous system | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 12 | 4 | | Learn about the  micturition, introduction to special senses | | micturition, introduction to special senses | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 13 | 4 | | Learn about the  hearing vestibular apparatus, vision and the eye muscle contractility, | | hearing vestibular apparatus, vision and the eye muscle contractility, | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 14 | 4 | | Learn about the  electroencephalography, biophysics of circulation | | electroencephalography, biophysics of circulation, | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 15 | 4 | | Learn about the  Renal physiology, respiratory physiology | | renal  physiology, respiratory physiology | | Lectures presented in PDF format  +  lab | Daily exams + homework assignments + monthly exams |
| 1. Course Evaluation | | | | | | | | |
|  Daily exams with practical and scientific questions. ‏   Participation scores for difficult competition questions among students   Establishing grades for environmental duties and the reports assigned to them   Semester exams for the curriculum, in addition to the mid-year exam and final exam | | | | | | | | |
| 1. Learning and Teaching Resources | | | | | | | | |
| Required textbooks (curricular books, if any) | | | | | | Principiles of anatomy and physiology, by Gerard J. Tortora&  Bryan H. Derrickson 12PthP ed. Volume 1 2009 | | |
| Main references (sources) | | | | | | Text book of medical physiology, by Guton & Hall . eleven  ed. 2020. | | |
| Recommended books and references (scientific journals, reports...) | | | | | | Check out websites in this field | | |