**Course Description Form**

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| 1. Course Name:
 |
| Physiology II |
| 1. Course Code:
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| 1. Semester / Year:
 |
| Third Year\second semester |
| 1. Description Preparation Date:
 |
| 2024-03-19 |
| 1. Available Attendance Forms:
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| 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 kadhimEmail: ahmed.oudah@uowa.edu.iq  |
| 1. Course Objectives
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| **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.**
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| 1. Teaching and Learning Strategies
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| **Strategy** | Assessment is based on hand-in assignments, written exam, Case study, Quizzes,seminars, Practical testing and Online testing. |
| 1. Course Structure
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| **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 thefunctional 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 thecardiac cycle,cardiac output | cardiac cycle,cardiac output | Lectures presented in PDF format+lab | Daily exams + homework assignments + monthly exams |
| 4 | 4 | Learn about theblood 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 theexcitable 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 thetheories 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 thefatigue, smooth muscle | fatigue, smooth muscle | Lectures presented in PDF format+lab | Daily exams + homework assignments + monthly |
| 9 | 4 | Learn about thecardiac muscle, neuromuscular transmission | cardiac muscle, neuromuscular transmission | Lectures presented in PDF format+lab | Daily exams + homework assignments + monthly |
| 10 | 4 | Learn about theautonomic 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 thesympathetic and parasympathetic nervoussystem, higher anatomical centers and neurotransmitters in autonomic nervous system | sympathetic and parasympathetic nervoussystem, 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 themicturition, 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 thehearing 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 theelectroencephalography, biophysics of circulation | electroencephalography, biophysics of circulation, | Lectures presented in PDF format+lab | Daily exams + homework assignments + monthly exams |
| 15 | 4 | Learn about theRenal physiology, respiratory physiology | renalphysiology, respiratory physiology | Lectures presented in PDF format+lab | Daily exams + homework assignments + monthly exams |
| 1. Course Evaluation
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|  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
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| 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 . elevened. 2020. |
| Recommended books and references (scientific journals, reports...) | Check out websites in this field |