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|  | **Mutah University**  **Detailed Syllabus Form** | Description: C:\Users\lamasat.lamasat-PC\Pictures\Picture1.png |

**First:** Course Information**:**

|  |  |
| --- | --- |
| * Course Number: 0308332 | * Course Title: Human Physiology II |
| * Credit Hours: 2 | * College: Science |
| * Pre-requisite: human physiology 1 /0308232 | * Department: Med. Lab. Sciences |
| * Instructor: Dr. Nafe M. H. Tawarah | * Semester & Academic Year: 2017/2018 |
| * the time of the lecture: | * Office Hours: |

**Second:** General Course Description

The course will cover some basic physiological subjects related for NS; special senses (vision, hearing, taste, tactile and smell), as well as, autonomic nervous system. In addition, the course will cover basics of essential mechanisms and functions for some human body systems; physiology of respiratory system, renal systems and digestive system. In fact, during the course, students will be provided with a minor level of understanding in clinical-physiology related for mentioned subjects. Wishing that students finally will understand well normal and abnormal functions of the human body systems

**Third:** Course Objectives

* The Course designed to provide the students with principle knowledge about systematic physiology and the functions of special senses, GI physiology, respiratory system and urinary system.
* Provide student with well basic-knowledgment about clinical-physiology and pathophysiology related for mentioned subjects.

**Fourth:** Expected Learning Outcomes

1. Students will be able to understand basic functions and mechanism of action of special senses, as well as other mentioned systems.
2. Course will be oriented to increase the medical mentality of Med. Lab. Students in some aspects of medical physiology related for mentioned systems.
3. Students be able to correlate between normal physiology and patho-physiology for mentioned systems.

**Fifth:** Course Plan Distribution & Learning Resources

|  |  |  |
| --- | --- | --- |
| **Learning Resources** | **Topics to be Covered** | **Week**  **No.** |
| **Textbooks (print and digital)** | 1. **Nervous system and sensory physiology (tactile and special senses).** |  |
| **Textbooks (print and digital)** | * **Autonomic nervous system and CSF.** |  |
| **Textbooks (print and digital)** | * **Physiology of vision.** |  |
| **Textbooks (print and digital)** | * **Physiology of hearing** |  |
| **Textbooks (print and digital)** | * **Physiology of chemical senses, taste and smell.** |  |
| **Textbooks (print and digital)** | 1. **Thermoregulation** |  |
| **Textbooks (print and digital)** | * **General metabolism and energetic.** |  |
| **Textbooks (print and digital)** | * **Regulation of body temperature.** |  |
| **Textbooks (print and digital)** | 1. **Gastrointestinal physiology:** |  |
| **Textbooks (print and digital)** | * **Gastro- intestinal motility, secretion, digestion and absorption functions and there control.** |  |
| **Textbooks (print and digital)** | * **Liver functions.** |  |
| **Textbooks (print and digital)** | 1. **Respiratory system**  * **Pulmonary circulation, ventilation and gas exchange** * **Transportation of O2and CO2 in blood and tissues.** * **Control of respiration.** |  |
|  | 1. **Renal system**  * **Glomerular Filtration, Renal Blood Flow** * **Tubular Reabsorption and Secretion** * **Acid- base regulation** |  |

**Sixth:** Teaching Strategies and Methods

|  |  |
| --- | --- |
| **Teaching Strategies and Methods** | No |
| **The following Teaching methods will be used in class room:**   1. **Lectures** 2. **Question and Answer** 3. **Discussions** | **1** |
| **Demonstration: Lectures will includes multimedia presentations and demonstrations.** | **2** |
| 1. **Multimedia Lectures: Students able to take notes, records, or absorb information** | **3** |

**Seventh:** Methods of Assessment

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| --- | --- | --- | --- |
| **Proportion of Final Evaluation** | **Evaluation Methods of** | **Week & Date** | **No.** |
| **25%** | **First Exam** | **Sixth Week** | **1.** |
| **25%** | **Second Exam** | **Eleventh Week** | **2.** |
| **50%** | **Final Exam** | **Fifteenth Wee** | **3.** |
|  |  |  | **4.** |
|  |  |  | **5** |
|  |  |  | **6** |
| **(100%)** |  | **Total** | |

**Eighth:** Required Textbooks

**- Primary Textbook:**

* **Guyton and Hall. Textbook of Medical Physiology. 12th – 15th edition.**

**-Secondary References**

* **Koeppen and Stanton. Berne and Levy Physiology. Sixth edition.**
* **Ross and Wilson anatomy and physiology in health and illness. 12th edition.**

**Ninth:** General Instructions

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| --- | --- |
| **Additional Notes, Office hours, Incomplete Exams, Reports, Papers, …etc** | **No** |
| **Office Hours: 8 - 9.30 am Saturday – Tuesday.** | **1** |
| **Incomplete Exam: after one week maximum from the main exam time.** | **2** |
| **Attendance of students in the physiology lectures is compulsory, and skip out will not be accepted except for legal or medical executions.** | **3** |