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| **TISHK INTERNATIONAL UNIVERSITYFACULTY OF EDUCATIONDepartment of BIOLOGY EDUCATION,2020-2021 FallCourse Information for BIO 322 HUMAN ANATOMY** |

|  |  |
| --- | --- |
| **Course Name:** | HUMAN ANATOMY |
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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code** | **Regular Semester** | **Theoretical** | **Practical** | **Credits** | **ECTS** |
| BIO 322 | 5 | 3 | - | 3 | 3 |

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| **Name of Lecturer(s)-Academic Title:** | Seemab Zehra - |
| **Teaching Assistant:** | Gashen bakhtyar |
| **Course Language:** | English |
| **Course Type:** | Area Elective |
| **Office Hours** | Wednesday 13:00 -15:00 |
| **Contact Email:** | seemab.zahra@tiu.edu.iqTel:+919457601069 |
| **Teacher's academic profile:** | PhD |
| **Course Objectives:** | To provide a comprehensive survey of Human Anatomy with basic information on body structures. Topics include organization of organism, skeletal, muscular, nervous, endocrine, cardiovascular, respiratory, digestive and urinary systems of human. |
| **Course Description (Course overview):** | This course is the first of a two-course sequence examining the structure and function of the human body and mechanisms for maintaining homeostasis within it. This portion includes the study of cells; tissues; genetics; and the integumentary, skeletal, muscular, and nervous systems |
| **COURSE CONTENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Hour** |               **Date**               | **Topic** |
| **1** | 3 | 7-8/10/2020 | AN INTRODUCTION TO THE HUMAN BODY |
| **2** | 3 | 11-15/10/2020 | THE LEVELS OF ORGANIZATION |
|  |  |  |  |
| **3** | 3 | 18-22/10/2020 | THE SKELETAL SYSTEM-AXIAL SKELETON |
| **4** | 3 | 25-28/10/2020 | THE SKELETAL SYSTEM- APPENDICULAR SKELETON AND JOINTS |
|  |  |  |  |
| **5** | 3 | 1-5/11/2020 | THE MUSCULAR SYSTEM |
| **6** | 3 | 8-12/11/2020 | THE NERVOUS SYSTEM |
|  |  |  |  |
| **7** | 3 | 15-19/11/2020 | THE NERVOUS SYSTEM |
| **8** | 3 | 22-26/11/2020 | Midterm Exam |
|  |  |  |  |
| **9** | 3 | 29/11-3/12/2020 | THE ENDOCRINE SYSTEM |
| **10** | 3 | 6-10/12/2020 | THE CARDIOVASCULAR SYSTEM: THE BLOOD |
|  |  |  |  |
| **11** | 3 | 13-17/12/2020 | THE CARDIOVASCULAR SYSTEM: THE HEART |
| **12** | 3 | 20-24/12/2020 | BLOOD VESSELS AND THE LYMPHATIC SYSTEM |
|  |  |  |  |
| **13** | 3 | 27-31/12/2020 | THE RESPIRATORY SYSTEM |
| **14** | 3 | 3-7/1/2021 | THE DIGESTIVE SYSTEM |
|  |  |  |  |
| **15** | 3 | 10-14/1/2021 | Final Exam |
| **16** | 3 | 17-21/1/2021 | Final Exam |
|  |  |  |  |

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| **COURSE/STUDENT LEARNING OUTCOMES**

|  |  |
| --- | --- |
|  |  |
| **1** | Students will have the knowledge and skills to identify and describe the major structures of the human body. |
| **2** | Students will have the knowledge and skills to discuss the structural organization and functions of each system of the human body. |
| **3** | Students will be able to recognize and explain the interrelationships within and between anatomical systems of the human body. |
| **4** | Students will have the knowledge and skills to apply their knowledge of human anatomy to solve questions regarding function |
| **5** | Students will be able to analyze and synthesize their knowledge and skills to create effective anatomy teaching and learning tools. |

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| **COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES**(Blank : no contribution, I: Introduction, P: Profecient, A: Advanced )

|  |  |  |
| --- | --- | --- |
|  | **Program Learning Outcomes** | **Cont.** |
| **1** | Write accurately and clearly about biology topics that conform to the scientific conventions of that field. | I |
| **2** | Describe the molecular components of living things, their heredity transformations and the main concerns in these biological process | I |
| **3** | Identify and analyze the microorganisms including bacteria, fungi and virus and their roles in nature. | I |
| **4** | Characterize the features of plant organs/tissues/cells/organelles involved in cellular respiration, photosynthesis, reproduction and growth. | P |
| **5** | Describe the micro and macro anatomy of the living systems and recognize the relationship between structure and function at all biological systems and levels. | P |
| **6** | Apply safety and proper techniques in the laboratory, and report the results of conducted experiments. | P |
| **7** | Use appropriate methods and techniques to improve their students’ critical thinking, creative thinking and problem-solving skills. | P |
| **8** | Effectively organize and manage classrooms. | P |
| **9** | Use required methods and techniques for student-centered teaching by considering individual and cultural differences of students. | A |
| **10** | Develop research studies that applies quantitative or qualitative research methods that address research questions in the field. | A |

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| **Prerequisites (Course Reading List and References):** | Atlas Human Anatomy |
| **Student's obligation (Special Requirements):** | Human anatomy |
| **Course Book/Textbook:** | Atlas Human Anatomy |
| **Other Course Materials/References:** | Human anatomy |
| **Teaching Methods (Forms of Teaching):** | Lectures, Presentation, Assignments |
| **COURSE EVALUATION CRITERIA**

|  |  |  |
| --- | --- | --- |
| **Method** | **Quantity** | **Percentage (%)** |
| Attendance | 1 | 5 |
| Participation | 1 | 5 |
| Quiz | 1 | 10 |
| Homework | 1 | 10 |
| Midterm Exam(s) | 1 | 30 |
| Final Exam | 1 | 40 |
| **Total** | **100** |
| **Examinations:**True-False, Fill in the Blanks, Multiple Choices, Matching |  |  |

 |
| **Extra Notes:** |
| **ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activities** | **Quantity** | **Workload Hours for 1 quantity\*** | **Total Workload** |
| Theoretical Hours | 16 | 3 | 48 |
| Practical Hours | 16 | 0 | 0 |
| Final Exam | 1 | 3 | 3 |
| Attendance | 1 | 48 | 48 |
| Participation | 1 | 1 | 1 |
| Quiz | 1 | 1 | 1 |
| Homework | 1 | 4 | 4 |
| Midterm Exam(s) | 1 | 3 | 3 |
| **Total Workload** | **108** |
| **ECTS Credit (Total workload/25)** | **4.32** |

 |

**Peer review**

|  |  |  |
| --- | --- | --- |
| Signature: | Signature: | Signature: |
| Name: | Name: | Name: |
| Lecturer                                                                       | Head of Department                                                         | Dean |

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