

| Course Title                                   | Code   | Semester  | Theoretical (hours/week) | Practice (hours/week) | Laboratory (hours/week) | ECTS |
|--|--|-----------|--------------------------|-----------------------|-------------------------|------|
| HUMAN PHYSIOLOGY                               | HEM102   | 2. Spring | 3                        | 0                     | 0                       | 5    |
| Prerequisites                                  | None   |           |                          |                       |                         |      |
| Language of Instruction                        | Turkish  |           |                          |                       |                         |      |
| Course Type                                    | Compulsory   |           |                          |                       |                         |      |
| learning and teaching techniques of the Course | Lecture, Question&Answer, Demonstration, Drill - Practice  |           |                          |                       |                         |      |
| Instructor(s)                                  | Prof. Dr. Ahmet SINAV<br>Prof. Dr. Aysel GÜVEN BAGLA<br>Prof. Dr. Fatma TÖRE<br>Prof. Dr. Lütfi ÇAKAR  |           |                          |                       |                         |      |
| Goal   | Getting a sound knowledge of general-regional-functional human anatomy with a special attention on requisite details of Department of Nutrition and Dietetics practice   |           |                          |                       |                         |      |
| Learning Outcomes                              | <ol style="list-style-type: none"> <li>1. To be able to understand the function of hormones</li> <li>2. To be able to learn function of urogenital system and excretory system</li> <li>3. To be able to learn anatomic placements of systems and organs</li> <li>4. To be able to learn vessel and neural connections</li> <li>5. To be able to learn functions of systems and organs</li> </ol>  |           |                          |                       |                         |      |
| References                                     | <ol style="list-style-type: none"> <li>1. Temel Anatomi, Cumhur M.(editör), ODTÜ Geliştirme Vakfı, METU PRESS, 1inci Baskı, Kasım 2001.</li> <li>2. Netter FH(2002). İnsan Anatomisi Atlası, Üçüncü Baskıdan Çeviri,(Çev. Ed: Prof. Dr. Meserret Cumhur, Palme Yayıncılık, Ankara, 2002.</li> <li>3. Gilroy Anatomi Atlası Çevirisi, Çeviri yönetmenleri: H. Hamdi Çelik, C. Cem Denk (Çeviri Kurulunda, Davut Ö.), PALME Yayıncılık, .Ankara, 2010, 2011</li> </ol> |           |                          |                       |                         |      |

#### Course Outline Weekly:

| Weeks    | Topics   |
|----------|--|
| 1. Week  | Introduction to Physiology, Homeostasis, Cell Physiology |
| 2. Week  | Liquid-Electrolyte Balance and Regulation                |
| 3. Week  | Nervous System Physiology                                |
| 4. Week  | Cardiovascular system physiology                         |
| 5. Week  | Hematological System Physiology                          |
| 6. Week  | Respiratory system physiology                            |
| 7. Week  | MIDTERM EXAM   |
| 8. Week  | Digestive System Physiology                              |
| 9. Week  | Urinary System Physiology                                |
| 10. Week | Endocrine system physiology                              |
| 11. Week | Reproductive System Physiology                           |
| 12. Week | Physiology of fetus and newborn                          |
| 13. Week | Heat Regulation in the Body and Exercise Physiology      |
| 14. Week | Special Audiences  |
| 15. Week | Again  |
| 16. Week | FINAL EXAM   |

**ECTS (Student Work Load Table)**

| <b>Activities</b>  | <b>Number</b> | <b>Duration</b> | <b>Total Work Load</b> |
|--|---------------|-----------------|------------------------|
| Course Duration (X14 )   | 14            | 3               | 42                     |
| Laboratory   |               |                 |                        |
| Practice   |               |                 |                        |
| Field Study  |               |                 |                        |
| Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)             | 14            | 3               | 42                     |
| Presentations (Video shoot/Poster preparation/Oral presentation, Etc.) | 1             | 21              | 21                     |
| Seminars   |               |                 |                        |
| Project  |               |                 |                        |
| Case study   |               |                 |                        |
| Role playing, Dramatization  |               |                 |                        |
| Writing articles, Critique   |               |                 |                        |
| Time To Prepare For Midterm Exam                                       | 1             | 8               | 8                      |
| Final Exam Preparation Time  | 1             | 12              | 12                     |
| <b>Total Work Load ( hour) / 25(s)</b>                                 | 125/25=5      |                 |                        |
| <b>ECTS</b>  | <b>5</b>      |                 |                        |

**Evaluation System**

| <b>Mid-Term Studies</b>                     | <b>Number</b> | <b>Contribution</b> |
|---|---------------|---------------------|
| Midterm exams                               | 1             | %50                 |
| Quiz  |               |                     |
| Laboratory                                  |               |                     |
| Practice                                    |               |                     |
| Field Study                                 |               |                     |
| Course Internship (If There Is)             |               |                     |
| Homework's                                  |               |                     |
| Presentation and Seminar                    |               |                     |
| Project                                     |               |                     |
| Other evaluation methods                    |               |                     |
| <b>Total Time To Activities For Midterm</b> |               | %50                 |
| <b>Final works</b>                          |               |                     |
| Final                                       | 1             | %50                 |
| Homework                                    |               |                     |
| Practice                                    |               |                     |
| Laboratory                                  |               |                     |
| <b>Total Time To Activities For Midterm</b> |               | %50                 |
| Contribution Of Midterm Studies On Grades   |               | %50                 |
| Contribution Of Final Exam On Grades        |               | %50                 |
| <b>Total</b>                                |               | 100                 |

**The relationship between learning outcomes and the program qualifications of the courses**

| Program Qualifications  | Learning outcomes |      |      |       |       |       |       |       |
|---|-------------------|------|------|-------|-------|-------|-------|-------|
|   | L.O1              | L.O2 | L.O3 | L.O.4 | L.O.5 | L.O.6 | L.O.7 | L.O.8 |
| 1. Competent and has the capabilities to fulfill their occupational duties.   | 5                 | 5    | 5    | 5     | 5     | 5     | 5     | 5     |
| 2. Knows the theories and models that form the basis of Professional practice.  | 5                 | 5    | 5    | 5     | 5     | 5     | 5     | 5     |
| 3. Has the general knowledge required to be both an individual and a member of the occupation.  |                   |      |      |       |       |       |       |       |
| 4. Carries out nursing practice based on the principles and standards.  | 4                 | 4    | 4    | 4     | 4     | 4     | 4     | 4     |
| 5. Meets the health-care needs of the individuals, families and the society with a holistic approach.   |                   |      |      |       |       |       |       |       |
| 6. Makes use of effective communication.  |                   |      |      |       |       |       |       |       |
| 7. Utilizes information and care technologies in professional practice and research.  | 5                 | 5    | 5    | 5     | 5     | 5     | 5     | 5     |
| 8. Uses scientific principles and techniques in Nursing practice.   |                   |      |      |       |       |       |       |       |
| 9. Follows the latest advances and communicates with colleagues in a foreign language.  |                   |      |      |       |       |       |       |       |
| 10. Behaves according with the professional ethics and values.  |                   |      |      |       |       |       |       |       |
| 11. Takes the related legislation and regulations into account in Nursing practice.   |                   |      |      |       |       |       |       |       |
| 12. Follows the politics and regulations affecting the Nursing profession.  |                   |      |      |       |       |       |       |       |
| 13.Uses the learning-teaching and management processes in Nursing practice.   |                   |      |      |       |       |       |       |       |
| 14.Uses the life-long learning, problem-solving and critical thinking abilities.  |                   |      |      |       |       |       |       |       |
| 15.With a sense of social responsibility takes part in studies, projects and some other activities with other team members and other disciplines. |                   |      |      |       |       |       |       |       |
| 16.Joins in activities that can contribute to professional development.   |                   |      |      |       |       |       |       |       |
| 17.Sets as a model for colleagues and the society with their professional identity.   |                   |      |      |       |       |       |       |       |
| 18.Protects the basic values and social rights.   |                   |      |      |       |       |       |       |       |
| <b>Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent</b>                                    |                   |      |      |       |       |       |       |       |

