

# LOCOMOTOR SYSTEM ANATOMY

|      |                                                                                               |                                                                                                                                                                                   |                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 1    | Course Title:                                                                                 | LOCOMOTOR SYSTEM ANATOMY                                                                                                                                                          |                                                                                                                   |
| 2    | Course Code:                                                                                  | TAN 5010                                                                                                                                                                          |                                                                                                                   |
| 3    | Type of Course:                                                                               | Optional                                                                                                                                                                          |                                                                                                                   |
| 4    | Level of Course:                                                                              | Second Cycle                                                                                                                                                                      |                                                                                                                   |
| 5    | Year of Study:                                                                                | 1                                                                                                                                                                                 |                                                                                                                   |
| 6    | Semester:                                                                                     | 2                                                                                                                                                                                 |                                                                                                                   |
| 7    | ECTS Credits Allocated:                                                                       | 5.00                                                                                                                                                                              |                                                                                                                   |
| 8    | Theoretical (hour/week):                                                                      | 2.00                                                                                                                                                                              |                                                                                                                   |
| 9    | Practice (hour/week):                                                                         | 2.00                                                                                                                                                                              |                                                                                                                   |
| 10   | Laboratory (hour/week):                                                                       | 0                                                                                                                                                                                 |                                                                                                                   |
| 11   | Prerequisites:                                                                                | No                                                                                                                                                                                |                                                                                                                   |
| 12   | Language:                                                                                     | Turkish                                                                                                                                                                           |                                                                                                                   |
| 13   | Mode of Delivery:                                                                             | Face to face                                                                                                                                                                      |                                                                                                                   |
| 14   | Course Coordinator:                                                                           | Doç.Dr. SENEM ÖZDEMİR                                                                                                                                                             |                                                                                                                   |
| 15   | Course Lecturers:                                                                             | Prof. Dr. İlknur Arı, Prof. Dr. İhsaniye Coşkun, Prof. Dr. Erdoğan Şendemir, Prof. Dr. İ. Hakan Oygucu, Prof. Dr. N. Şimşek Cankur, Prof. Dr. Ayberk Kurt, Doç. Dr. İlker M. Kafa |                                                                                                                   |
| 16   | Contact information of the Course Coordinator:                                                | senem@uludag.edu.tr<br>2953817<br>Uludağ Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Binası, Anatomi Anabilim Dalı, 16059, Nilüfer, Bursa                                    |                                                                                                                   |
| 17   | Website:                                                                                      |                                                                                                                                                                                   |                                                                                                                   |
| 18   | Objective of the Course:                                                                      | Postgraduate students gain knowledge of basic anatomy of moving (locomotor) system such as bones, joints, muscles                                                                 |                                                                                                                   |
| 19   | Contribution of the Course to Professional Development:                                       |                                                                                                                                                                                   |                                                                                                                   |
| 20   | Learning Outcomes:                                                                            |                                                                                                                                                                                   |                                                                                                                   |
|      |                                                                                               | 1                                                                                                                                                                                 | To know the general concepts of bones, joints and muscles                                                         |
|      |                                                                                               | 2                                                                                                                                                                                 | To know all the names of the bones of the axial and the appendiküler skeleton and to know the properties of these |
|      |                                                                                               | 3                                                                                                                                                                                 | To know all the names of joints and to know the properties of these                                               |
|      |                                                                                               | 4                                                                                                                                                                                 | To know all the names of muscles and to know the properties of these                                              |
|      |                                                                                               | 5                                                                                                                                                                                 |                                                                                                                   |
|      |                                                                                               | 6                                                                                                                                                                                 |                                                                                                                   |
|      |                                                                                               | 7                                                                                                                                                                                 |                                                                                                                   |
|      |                                                                                               | 8                                                                                                                                                                                 |                                                                                                                   |
|      |                                                                                               | 9                                                                                                                                                                                 |                                                                                                                   |
|      |                                                                                               | 10                                                                                                                                                                                |                                                                                                                   |
| 21   | Course Content:                                                                               |                                                                                                                                                                                   |                                                                                                                   |
|      | Course Content:                                                                               |                                                                                                                                                                                   |                                                                                                                   |
| Week | Theoretical                                                                                   | Practice                                                                                                                                                                          |                                                                                                                   |
| 1    | Introduction to the anatomy of the Movement System,Basic Concepts-I: Bone general information | Introduction to the anatomy of the Movement System,Basic Concepts-I: Bone general information                                                                                     |                                                                                                                   |

|    |                                                                                                 |                                                                                                 |
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| 2  | Bones of Axial Skeleton I: Neurocranium and Viscerocranium bones                                | Bones of Axial Skeleton I: Neurocranium and Viscerocranium bones                                |
| 3  | Bones of Axial Skeleton II: Columna vertebralis, Cavitas thoracis                               | Bones of Axial Skeleton II: Columna vertebralis, Cavitas thoracis                               |
| 4  | Bones of Appendicular Skeleton I: Bones of upper extremity                                      | Bones of Appendicular Skeleton I: Bones of upper extremity                                      |
| 5  | Bones of Appendicular Skeleton II: Bones of lower extremity                                     | Bones of Appendicular Skeleton II: Bones of lower extremity                                     |
| 6  | Introduction to the anatomy of the Movement System,Basic Concepts-I: Joint general information  | Introduction to the anatomy of the Movement System,Basic Concepts-I: Joint general information  |
| 7  | Joints of the axial skeleton                                                                    | Joints of the axial skeleton                                                                    |
| 8  | Joints of the pelvis                                                                            | Joints of the pelvis                                                                            |
| 9  | Joints of the upper extremity                                                                   | Joints of the upper extremity                                                                   |
| 10 | Joints of the lower extremity                                                                   | Joints of the lower extremity                                                                   |
| 11 | Introduction to the anatomy of the Movement System,Basic Concepts-I: Muscle general information | Introduction to the anatomy of the Movement System,Basic Concepts-I: Muscle general information |
| 12 | Muscle of the head and neck, Muscle of the trunk                                                | Muscle of the head and neck, Muscle of the trunk                                                |
| 13 | Muscle of the upper extremity                                                                   | Muscle of the upper extremity                                                                   |
| 14 | Muscle of the lower extremity                                                                   | Muscle of the lower extremity                                                                   |

|                                                          |                                               |  |                                                                                                                  |                 |                        |
|----------------------------------------------------------|-----------------------------------------------|--|------------------------------------------------------------------------------------------------------------------|-----------------|------------------------|
| 22                                                       | Textbooks, References and/or Other Materials: |  | 1- Sobotta İnsan Anatomisi Atlası. R. Putz, R. Pabst, 3 Cilt. (Türkçe Çeviri) 7. Baskı. Beta Basım Yayın. Münih. |                 |                        |
| Activites                                                |                                               |  | Number                                                                                                           | Duration (hour) | Total Work Load (hour) |
| Theoretical                                              |                                               |  | 14                                                                                                               | 2.00            | 28.00                  |
| Practicals/Labs                                          |                                               |  | 14                                                                                                               | 2.00            | 28.00                  |
| Self study and preparation                               |                                               |  | 14                                                                                                               | 7.00            | 98.00                  |
| Homeworks                                                |                                               |  | 0                                                                                                                | 0.00            | 0.00                   |
| Midterm Exam                                             |                                               |  | 0                                                                                                                | 0.00            | 0.00                   |
| Field Studies                                            |                                               |  | 0                                                                                                                | 0.00            | 0.00                   |
| Midterm Exam                                             |                                               |  | 0                                                                                                                | 0.00            | 0.00                   |
| Others                                                   |                                               |  | 0                                                                                                                | 0.00            | 0.00                   |
| Final Exams                                              |                                               |  | 1                                                                                                                | 2.00            | 2.00                   |
| Total Work Load                                          |                                               |  |                                                                                                                  |                 | 156.00                 |
| Success Grade                                            |                                               |  |                                                                                                                  |                 | 5.20                   |
| ECTS Credit of the Course                                |                                               |  |                                                                                                                  |                 | 5.00                   |
| Total                                                    |                                               |  | 100.00                                                                                                           |                 |                        |
| Measurement and Evaluation Techniques Used in the Course |                                               |  |                                                                                                                  |                 |                        |

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| 24 | ECTS / WORK LOAD TABLE |
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|     |                                                               |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |
|-----|---------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 25  | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |
|     | PQ1                                                           | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 5                                                             | 4   | 3   | 4   | 3   | 0   | 0   | 0   | 4   | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| ÖK2 | 5                                                             | 4   | 3   | 4   | 3   | 0   | 0   | 0   | 4   | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

|                                                       |            |   |       |   |          |   |        |   |             |   |   |   |   |   |   |   |
|-------------------------------------------------------|------------|---|-------|---|----------|---|--------|---|-------------|---|---|---|---|---|---|---|
| ÖK3                                                   | 5          | 4 | 3     | 4 | 3        | 0 | 0      | 0 | 4           | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK4                                                   | 5          | 4 | 3     | 4 | 3        | 0 | 0      | 0 | 4           | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives    PQ: Program Qualifications |            |   |       |   |          |   |        |   |             |   |   |   |   |   |   |   |
| Contribution Level:                                   | 1 very low |   | 2 low |   | 3 Medium |   | 4 High |   | 5 Very High |   |   |   |   |   |   |   |