**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | **School of Health Sciences** | | | | |
| **ACADEMIC UNIT** | **Faculty of Medicine** | | | | |
| **LEVEL OF STUDIES** | **Undergraduate** | | | | |
| **COURSE CODE** | **ΙΑΥ200** | **SEMESTER** | | **2nd** | |
| **COURSE TITLE** | **ANATOMY I** | | | | |
| **INDEPENDENT TEACHING ACTIVITIES** *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits* | | | **WEEKLY TEACHING HOURS** | | **CREDITS** |
| **LECTURES** | | | **6** | |  |
| **LABORATORY EXERCISES** | | | **4** | |  |
| **TOTAL** | | | **10** | | **8** |
| *Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (4).* | | |  | |  |
| **COURSE TYPE**  *general background,  special background, specialised general knowledge, skills development* | **General background** | | | | |
| **PREREQUISITE COURSES:** | **NO** | | | | |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | **GREEK** | | | | |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** | **YES** | | | | |
| **COURSE WEBSITE (URL)** | **https://ecourse.uoi.gr/course/view.php?id=1891** | | | | |

1. **LEARNING OUTCOMES**

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| **Learning outcomes** | |
| *The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.*  *Consult Appendix A*   * *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area* * *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B* * *Guidelines for writing Learning Outcomes* | |
| The course combines theoretical instruction with laboratory exercises conducted on cadaveric material and anatomical models in small student groups. Upon completing the course, students will:   * Identify macroscopic anatomical structures and organs, and have a foundational understanding of surface anatomy. * Recognize isolated skeletal components. * Determine the spatial orientation of bones. * Understand the function of anatomical structures, including bones, ligaments, muscles, peripheral nerves, and vessels. * Grasp the clinical relevance of anatomical features. * Identify radiological images of anatomical elements. * Comprehend the basic biomechanical principles of each system. * Develop skills in anatomical dissection and preparation. * Present and discuss clinical problems related to the anatomical knowledge gained in Anatomy I. | |
| **General Competences** | |
| *Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?* | |
| *Search for, analysis and synthesis of data and information, with the use of the necessary technology*  *Adapting to new situations*  *Decision-making*  *Working independently*  *Team work*  *Working in an international environment*  *Working in an interdisciplinary environment*  *Production of new research ideas* | *Project planning and management*  *Respect for difference and multiculturalism*  *Respect for the natural environment*  *Showing social, professional and ethical responsibility and sensitivity to gender issues*  *Criticism and self-criticism*  *Production of free, creative and inductive thinking*  *……*  *Others…*  *…….* |
| The course emphasizes the search, analysis, and synthesis of data and information using appropriate technologies, as well as decision-making and teamwork. Students are divided into small groups and, in collaboration with the instructor, work on identifying theoretical solutions to clinical problems and their clinical management. By the end of the lectures, students will be able to present their findings to an audience and respond to questions, drawing on the knowledge gained in Anatomy I. | |

1. **SYLLABUS**

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| Introduction to Anatomy: Anatomical terminology & Medical imaging and its relationship to anatomy  Systems Covered: Musculoskeletal System Osteology, Arthrology, Myology, Neurology, Angiology   * Head and Neck * Thorax * Axial Skeleton (Spine and Pelvis): bones, joints, muscles, vasculature, and innervation * Peripheral Skeleton (Upper and Lower Extremities): bones, joints, muscles, vasculature, lymphatic drainage, and innervation   General Principles of Kinesiology: Focus on the relationship between anatomical structures of the musculoskeletal system and their functional roles  Imaging and Clinical Anatomy: Imaging and clinical correlations of the spine, upper extremities, and lower extremities  Clinical cases discussed per course unit  Laboratory Exercises |

1. **TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY** *Face-to-face, Distance learning, etc.* | The course includes face-to-face lectures complemented by hands-on laboratory exercises, providing students with a comprehensive understanding of anatomical concepts through both theoretical and practical learning. |
| **USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY** *Use of ICT in teaching, laboratory education, communication with students* |  |
| **TEACHING METHODS**  *The manner and methods of teaching are described in detail.*  *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.*  *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS* | |  |  | | --- | --- | | ***Activity*** | ***Workload of each students group*** | | Lectures | 6 hours/week, 13 weeks, Total: 78 hours | | Laboratory practice | 4 hours/week, 13 weeks, Total: 52 hours | | Total | 10 hours/week, 13 weeks, Total: 130 hours | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |  |  | |
| **STUDENT PERFORMANCE EVALUATION**  *Description of the evaluation procedure*  *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other*  *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.* | The assessment includes oral examinations on anatomical preparations and laboratory materials, which contribute 50% to the final grade, and written examinations, comprising multiple-choice and essay questions on the course content, also contributing 50%. Passing the laboratory examination is a prerequisite for participating in the written exams. |

1. **ATTACHED BIBLIOGRAPHY**

K.L. Moore, Dalley AF, Agur A - Clinical Anatomy, BROKEN HILL PUBLISHERS LTD, 2012. Code: 22767962 / ISBN: 97899663-716-07-4

W.J. Larsen - Anatomy: Development, Function, Clinical Correlations, Parisianou Publications, 2007, Athens. Code: 41756 / ISBN: 9789603944881

Frank H. Netter - Atlas of Basic Medical Sciences I: Anatomy (Volume 1), BROKEN HILL PUBLISHERS LTD, 2003. Code: 13256298 / ISBN: 9603991502