**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | School of Health Sciences | | | | |
| **ACADEMIC UNIT** | Faculty of Medicine | | | | |
| **LEVEL OF STUDIES** | Undergraduate | | | | |
| **COURSE CODE** | ΙΑΥ708 | **SEMESTER** | | 9th & 10th (rotation) | |
| **COURSE TITLE** | Orthopaedics | | | | |
| **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 and Practical Training | | | 25 | | 6 |
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| *Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).* | | |  | |  |
| **COURSE TYPE**  *general background,  special background, specialised general knowledge, skills development* | Scientific area | | | | |
| **PREREQUISITE COURSES:** |  | | | | |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | Greek | | | | |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** | yes | | | | |
| **COURSE WEBSITE (URL)** | https://ecourse.uoi.gr/enrol/index.php?id=1897 | | | | |

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 is taught in conjunction with clinical training in small groups of students. Students are fully integrated into the operation of clinical (patient wards, outpatient, emergency department, surgery). Derive theoretical and practical knowledge workers by faculty members and perform medical procedures. The final level of knowledge allows the diagnosis and differential diagnosis and basic treatment of injuries and musculoskeletal pathologies.  The study and knowledge transfer in the diagnosis and treatment of injuries and pathologies of the musculoskeletal system. | |
| **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…*  *…….* |
| Working independently  Team work  Working in an international environment  Workingin an interdisciplinary environment | |

1. **SYLLABUS**

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| The content and evolution of Orthopaedics. Clinical examination and diagnostic approach of patients in Orthopaedics and Traumatology. Basic knowledge in bone structure. Healing fractures. Delayed healing – Nonunion Shoulder and acromioclavicular injuries and fractures. Fractures of the humerus. Traumatic brachial plexus injuries. Fractures Wrist and Hand. Mixed Injury Hand - mutilation. Pelvic ring injuries. Fractures of the acetabulum. Fractures and dislocations of the hip. Fractures of the femur. Intra-articular and periarticular fractures of the knee. Ligament injuries and sprains of knee and patella. Fractures of the tibia. Injuries and fractures of ankle and foot. Fractures, ligamentous injuries and dislocations of cervical, thoracic, lumbar - sacral spine and coccyx. Peculiarities of musculoskeletal injuries in children. Fractures in children. Slipped capital femoral epiphysis and dislocations in children. Multiple injuries. Open fractures. Osteoarthritis - Orthopaedic approach. Diseases of the spine: Herniated intervertebral disc- Scoliosis and other deformities of the spine. Osteonecrosis. Congenital dislocation of the hip. Ordinary diseases of the hip in children. Congenital diseases of upper and lower limbs in children. Cerebral Palsy. Osteochondritis. Diseases of Hand. Musculoskeletal infections. Musculoskeletal tumors. Metabolic diseases of the musculoskeletal system and Osteoporosis, Diseases of the peripheral nerves, Paediatric orthopaedic pathology, Adult reconstructive surgery, Basic Orthopaedic Biomechanics |

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

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| **DELIVERY** *Face-to-face, Distance learning, etc.* | The course is taught in conjunction with clinical training in small groups of students. Students are fully integrated into the operation of clinical (patient wards, outpatient, emergency department, surgery) |
| **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*** | ***Semester workload*** | | Lectures | 40 | | Practice | 80 | | Team work | 10 | |  |  | |  |  | |  |  | |  |  | |  |  | | Studing | 60 | | Course total | ***190*** | |
| **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.* | *multiple choice questionnaires,* |

1. **ATTACHED BIBLIOGRAPHY**

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| *- Suggested bibliography:*  Review of Orthopaedics MARK D. MILLER |