

## COURSE OUTLINE SPLINTS AND SUPPORTIVE EQUIPMENT

### 1. GENERAL

<b>SCHOOL</b>	SCIENCE OF PHYSICAL EDUCATION, SPORTS AND OCCUPATIONAL THERAPY		
<b>DEPARTMENT/MSc</b>	OCCUPATIONAL THERAPY		
<b>LEVEL OF STUDY</b>	MSc - LEVEL 6		
<b>COURSE CODE</b>		<b>SEMESTER OF STUDIES</b>	7th
<b>COURSE TITLE</b>	SPLINTS AND AUXILIARY MACHINERY		
<b>INDEPENDENT TEACHING ACTIVITIES</b> <i>in case the credits are awarded to distinct parts of the course, e.g. Lectures, Laboratory Exercises, etc. If the credits are awarded uniformly for the entire course, indicate the weekly teaching hours and the total credits</i>	<b>TEACHING WEEKS</b>	<b>CREDITS</b>	
THEORY	2	6	
LABORATORY	2		
<i>Add rows if needed. The organization of teaching and the teaching methods used are described in detail in 4.</i>			
<b>COURSE TYPE</b> <i>Background, General Knowledge, Scientific Area, Skills Development</i>	SCIENTIFIC AREA		
<b>PREREQUISITE COURSES:</b>	NO		
<b>LANGUAGE OF INSTRUCTION AND EXAMINATIONS:</b>	GREEK		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>	NO		
<b>ONLINE COURSE PAGE (URL)</b>	-		

### 2. LEARNING OUTCOMES

<p><b>Learning Outcomes</b></p> <p><i>The learning outcomes of the course are described, the specific knowledge, skills and abilities of an appropriate level that students will acquire after the successful completion of the course.</i></p> <p><i>Consult Appendix A</i></p> <ul style="list-style-type: none"> <li>• <i>Description of the Level of Learning Outcomes for each cycle of study according to the European Higher Education Area Qualifications Framework</i></li> <li>• <i>Descriptive Indicators of Levels 6, 7 &amp; 8 of the European Qualifications Framework for Lifelong Learning</i></li> </ul> <p><i>and Annex B</i></p> <ul style="list-style-type: none"> <li>• <i>Summary Guide to Writing Learning Outcomes</i></li> </ul>
<p>Upon successful completion of the course, participants will be able to:</p> <ul style="list-style-type: none"> <li>• know the importance of splints, prostheses and supportive equipment</li> <li>• recognize the types of splints</li> <li>• Assess in detail the person who needs a splint, a prosthesis, or an auxiliary machine</li> <li>• construct a splint, a prosthesis, or an auxiliary machine</li> <li>• Check the person who needs a splint, a prosthesis, or an auxiliary machine</li> <li>• train the person in need of a splint, a prosthesis, or an auxiliary machine</li> </ul>

## General Competencies

Taking into account the general competencies that the graduate must have acquired (as listed in the Diploma Supplement and listed below), which / which of them is the course aimed at?.

Adapting to new situations

Project planning and management

Decision-making

Respect for diversity and multiculturalism

Autonomous work

Demonstrate social, professional and ethical responsibility and gender sensitivity

Teamwork

Criticism and self-criticism

Working in a multidisciplinary environment

Generating new research ideas

Promoting free, creative and inductive thinking

- *Adapting to new situations*
- *Decision-making*
- *Autonomous work*
- *Respect for diversity and multiculturalism*
- *Demonstrate social, professional and ethical responsibility and gender sensitivity*

## 3. COURSE CONTENT

Theoretical Course Part:

- Definitions of splints, prostheses and auxiliary machines/ equipment.
- The types of splints.
- Splints for upper and lower limbs.
- Splints of the trunk and spine.
- Walking aids.
- Anatomical, biokinetic and biological general principles of the construction of splints.
- Functional, mechanical and design general principles for the construction of splints, prostheses and auxiliary machinery.
- Motor deficits that require the application and use of an auxiliary machine or splint.
- Evaluation of the patient for the use of a splint.

Laboratory Course Part:

- Training in the use of splints, prosthetics or other auxiliary machines.
- Selection of a suitable auxiliary machine.
- Application of splints and braces.
- Treatment in a patient with the application of a splint.

## 4. TEACHING AND LEARNING METHODS - EVALUATION

<b>DELIVERY METHOD</b> <i>Face-to-face, Distance learning, etc.</i>	FACE TO FACE
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b> <i>Use of ICT in Teaching, Laboratory Training, Communication with Students</i>	Use of ICT in Teaching and Communication with Students <ul style="list-style-type: none"> <li>● Digital slides</li> <li>● video</li> <li>● MsTeams/ e-class, webmail</li> </ul>

<b>TEACHING ORGANIZATION</b>																								
<p>The way and methods of teaching are described in detail.</p> <p>Lectures, Seminars, Laboratory Exercise, Field Exercise, Study &amp; Analysis of Literature, Tutorial, Practice (Placement), Clinical Exercise, Art Workshop, Interactive Teaching, Educational Visits, Project Preparation, Writing a Paper / Paper, Artistic Creation, etc.</p> <p>The student's study hours for each learning activity as well as the hours of non-guided study are indicated so that the total workload at semester level corresponds to ECTS standards</p>	<table border="1"> <thead> <tr> <th data-bbox="652 220 971 262"><b>Activity</b></th> <th data-bbox="977 220 1299 262"><b>Semester Workload</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="652 262 971 298">Lectures</td> <td data-bbox="977 262 1299 298">39</td> </tr> <tr> <td data-bbox="652 298 971 333">Work</td> <td data-bbox="977 298 1299 333">60</td> </tr> <tr> <td data-bbox="652 333 971 411">Literature study and analysis</td> <td data-bbox="977 333 1299 411">78</td> </tr> <tr> <td data-bbox="652 411 971 447">Examination</td> <td data-bbox="977 411 1299 447">3</td> </tr> <tr> <td data-bbox="652 447 971 483"></td> <td data-bbox="977 447 1299 483"></td> </tr> <tr> <td data-bbox="652 483 971 518"></td> <td data-bbox="977 483 1299 518"></td> </tr> <tr> <td data-bbox="652 518 971 554"></td> <td data-bbox="977 518 1299 554"></td> </tr> <tr> <td data-bbox="652 554 971 590"></td> <td data-bbox="977 554 1299 590"></td> </tr> <tr> <td data-bbox="652 590 971 625"><b>Total Course</b></td> <td data-bbox="977 590 1299 625"><b>180</b></td> </tr> </tbody> </table>		<b>Activity</b>	<b>Semester Workload</b>	Lectures	39	Work	60	Literature study and analysis	78	Examination	3									<b>Total Course</b>	<b>180</b>		
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<p><b>STUDENT EVALUATION</b></p> <p>Description of the evaluation process</p> <p>Assessment Language, Assessment Methods, Formative or Conclusive, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Paper, Report/Report, Oral Examination, Public Presentation, Laboratory Work, Clinical Examination of a Patient, Artistic Interpretation, Other/Other</p> <p>Explicitly defined evaluation criteria and whether and where they are accessible by students are mentioned.</p>	<p>Work at home (compulsory) 35%</p> <p>Written exam 65%</p>																							

## 5. RECOMMENDED BIBLIOGRAPHY

### Greek-speaking

1) Trumble, T., Ghazi, Ryan, G., Budoff, J., Baratz, M. (2012). Principles of Hand Surgery. Athens: Konstantaras.

### Foreign language

1) Coppard, B., & Lohman, H. (2007). Introduction to splinting: a Clinical Reasoning&problem-solving approach.St. Louis: Mosby.

2) Witton, J., & Dival, T. (1999). Hand splinting. Principles of design and fabrication. Philadelphia: W.B. Saunders.

3)Jacobs, M.L.A., & Austin, N.M. (2002). Splinting the Hand and Upper Extremity : Principles and Process. Williams and Wilkins.