

## TECHNICAL SHEET OF THE TRAINING ACTIVITY

<b>Basic data of the Training Activity</b>	
<b>Title</b>	Introduction to Biomechanics
<b>Character</b>	Transversal
<b>Type</b>	Elective
<b>Duration</b>	10 hours
<b>Schedule</b>	Semester 1, 5 two-hour sessions
<b>Contents</b>	Introduction to Biomaterials. (2 hours) Mechanics of Biological Tissues (2 hours) Introduction to the Biomechanics (2 hours) Human Anatomy and Skeletal System (2 hours) Kinematics and kinetics in musculoskeletal biomechanics (2 hours)
<b>Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• Understand the application of materials in biology</li> <li>• Know the properties and evaluation methods of hard and soft tissues.</li> <li>• Basic Understanding of Biomechanical Concepts</li> <li>• Understand the structure and function of key anatomical components relevant to biomechanics, such as bones, muscles, ligaments, and joints. Describe and analyze the motion of biological systems, including concepts like displacement, velocity, acceleration, and angular movement.</li> </ul>
<b>Language</b>	English

### Monitoring procedure

Control of attendance by the professor and oral report on the practical repercussions.

### Mobility actions

Not applicable.