

**Topics:**

- The definition and history of biomechanics.
- The histological structure of bones, bone forming cells. Biomechanical examination, morphology and rheology of bones.
  - Bone formation, bone development. The modeling and remodeling of bones. Laws of biomechanics.
  - Tissue mechanics. Static examination of bones.
  - Fracture and healing of bones. The biomechanics of fracture healing. The function and morphology of skeletal muscle.
- The skeleton as an organ system. Bone and aging.
- Practical demonstration.
- Consultation.

E-learning module, detailed information: [Moodle](#)