Introduction to Biomechanics (4 SWS)

Wintersemester 2019/20

• Content
  - Introduction to the Biomechanics of the Human Movement
    - Human body kinematics
    - Human body kinetics
    - Analysis of human movement: numerical and experimental methods
    - Gait analysis
  - Mechanics of Biological Tissues
    - Structure and function of biological tissues
    - Mechanical properties of biological tissues
    - Mechanical testing of biological tissues
    - Modelling and simulation of biological tissues

• Requirements for participation and examination
  Successful completion of courses in engineering mechanics and materials science

• Module Components
  Lecture: Fridays, 10-12:00, room H 3006
  Seminar: Wednesdays, 10-12:00, room H 3007

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