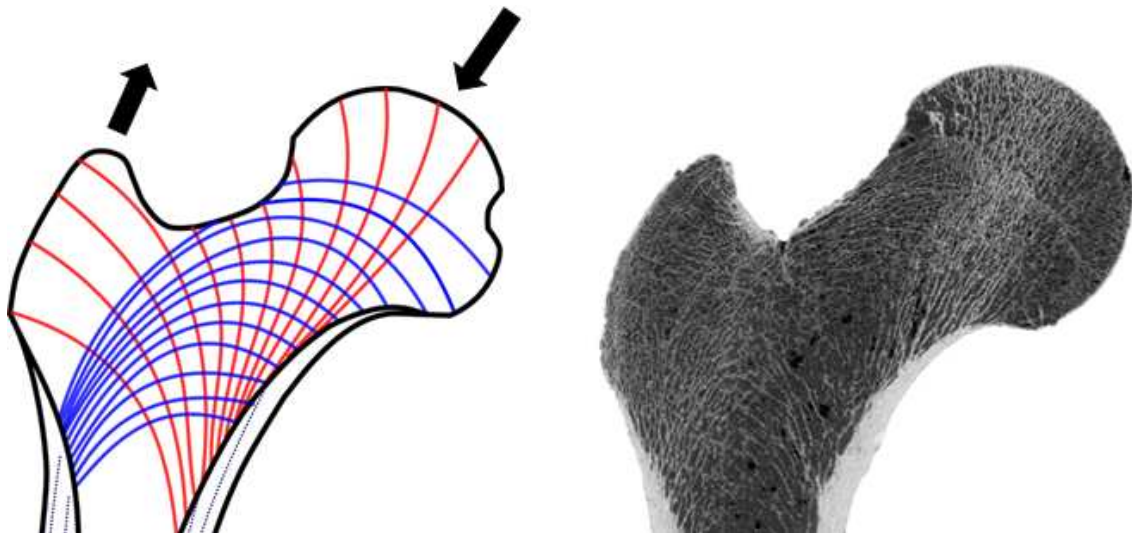


# Introduction to Biomechanics (4 SWS)

Sommersemester 2018

- **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

- **Modul Components**

Lecture: Friday, 10-12:00, BH-N 334 (from April 20<sup>th</sup>)

Exercise: Wednesday, 10-12, MA 043 (from April 25<sup>th</sup>)

- **Contact Person**

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