

## Anatomy and Physiology I

**Lecture-Nr.:** 53744

**Type:** lecture

**Duration:** 2 semester periods

**Method of Assessment:** written examination

**ECTS Credit Points:** 4

### Topics:

The lecture teaches fundamental concepts of human anatomy and physiology. Physiological mechanisms and basics of anatomy in cells, blood and several organs are presented. Following topics are included in the lecture: cell physiology, autonomous and central nervous system, spinal cord, sensory system, muscular system, respiratory system, gastrointestinal tract, skin, blood, immunology, heart and circulation, kidney, endocrine system, hormones

### Literature:

1. Thews; Mutschler; Vaupel: Anatomie, Physiologie, Pathophysiologie. WVG, 2007.
2. Tortora; Derrickson: Principles of Anatomy and Physiology. Wiley, 2013.
3. Schmidt; Lang; Heckmann: Physiologie des Menschen. Springer, 2010.
4. Silbernagl; Despopoulos; Thieme: Taschenatlas für Physiologie. 2012.

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