5 ECTS

Content

Classes*
- **Physiology of the urinary system**
  - Anatomy of the kidney and urinary tract
  - The functional unit of the kidneys
  - Glomerular filtration
  - Physiology of the renal tube
  - Evaluation of the nephron functions
- **Physiology of the respiratory system**
  - Anatomical description of the lungs
  - The respiratory system
  - Blood circulation in the lungs
  - The ventilation
  - Gas exchanges and transportation
  - The regulation of the respiration
- **Physiology of the digestive system**
  - Oral cavity
  - The pharynx and esophagus
  - The stomach
  - The exocrine pancreas
  - The liver and gall secretion
  - The small intestine
  - The large intestine
- **Physiology of the cardiovascular system**
  - The heart and cardiac function:  Anatomy of the heart
  - Physiology of the heart pump
  - The cardiac endocrine system
  - Blood vessels and vascular function:  Vascular network
  - Hemodynamics

Practical works*
- Physiology of the urinary system
- Physiology of the respiratory system
- Physiology of the digestive system
- Hemodynamics

* Classes (all students in amphitheater), Practical works (smaller groups of students in order to study in adapted practical rooms/laboratories).

Assessment

Final exam about classes.
Continuous assessment for the practical works with report writings, oral presentations and/or lectures.
Attendance to practical works needs to be approved.

Contact

Anne Garnier
Vladimir Veksler