

**Faculty:** Faculty of Law  
**Department:** Psychology  
**Professional area:** Psychology  
**Major:** Psychology  
**Educational-and-qualification Degree:** Master

## COURSE DESCRIPTION

1. Course unit title: Physiological Psychology
2. Course unit code: PSY 3070
3. Type of course unit: compulsory
4. Level of course unit: Master
5. Year of study: first
6. Semester: first
7. Number of ECTS credits allocated: 3
8. Name of lecturer: Assoc.Prof. Dr. Zlatislav Stoyanov, D.Sc.
9. Learning outcomes of the course unit – acquired knowledge, skills, competences, defined according to the presented information materials. After students have done this course, they will have to be prepared for using the psychological approach in psychology.
10. Mode of delivery: face-to-face
11. Prerequisites and co-requisites: Students to operate fluently the acquired within their high school education knowledge of human anatomy and physiology.
12. Course contents: The course of Physiological Psychology aims at acquainting psychology students with knowledge in regard to the biological factors and physiological processes underlying and affecting human behaviour. Anatomic organization of the nervous system and physiology of excitatory structures are explained at an expedient level. Contemporary views are introduced, regarding the following:
  - brain operation at a cellular and network levels;
  - ways of encoding and processing information within the nervous system and its usage for behavioural responses formation;
  - neuro-anatomic, neuro-physiological and neuro-chemical substrata of mental processes;
  - formal neurobiology of perception, voluntary movements, speech, emotions, learning and memory, some specific forms of behaviour;
  - psychosomatic dependence.
13. Recommended and/or required reading:

Required:

П и р ъ о в а Б, Биологична психология, (София, Веда Словена – ЖГ, 2000)

П и р ъ о в а Б, Невробиологични основи на човешкото поведение, Б. Пирьова (София, Нов български университет, 2011)

Д а н и л о в а, Н. Н. Психофизиология, (Москва, Аспент Пресс, 2001)

С a r l s o n, N. Foundations of Physiological Psychology, (Boston, MA, Allyn and Bacon, 2005)

Recommended:

W a g n e r Н., К. Silber Physiological Psychology (Instant notes), (London and New York, Garland Science/BIOS Scientific Publishers, Taylor & Francis Group, 2004)

А с е н о в а И., Невропсихология, И. Асенова (Благоевград, 2009)

П и р ъ о в а Б, Невробиологични основи детското развитие, (София, Нов български университет, 2008)

С т о я н о в З., Мозъчна асиметрия и леворъкост: причини и отражения в поведението, (Варна, "СЛАВЕНА", 2011)

14. Planned learning activities and teaching methods: Lectures.

15. Assessment methods and criteria: Written test (0.7 of the final grade) and oral examination (0.3 of the final grade). At the examination the bachelor students are given the opportunity to submit a self-study test, done within the semester (see the attached one), its analysis may be a bonus for a successful examination. The master students are given the opportunity to get a bonus for a successful examination by submitting an independent assignment on a Physiological Psychology issue.

16. Language of instruction: Bulgarian, English

17. Work placement: none