Name of the course: RESEARCH IN MOTOR CONTROL	
Teacher(s): Ilić Duško, Nedeljković Č. Aleksandar, Saša R. Filipović	
Course status: Elective	
Number of ECTS points: 10	
Requirement: None	

Course objective:

(1) To enable understanding of the nature and complexity of the motor control system in humans from different perspectives, through insight into modern theory and practice of motor control.

(2) To acquaint students with the approach in motor control research from different perspectives (behaviorist, cognitive ...).

(3) To acquaint students with current research problems and their results.

(4) Gaining insight into experimental methods applied in motor control research

Outcome of the course:

As a result of successful fulfillment of all requirements proposed by the course program, it is expected that students will be able to:

(1) a comprehensive view of the problems dealt with by motor control,

(2) recognition of basic settings, theories and models in motor control,

(3) the application of methods and procedures used in motor control research.

Content of the course:

Part I: Introduction to motor behaviour

Historical development of research areas; Motor skills research methodology; Information processing; Attention and ability;

Part II: Motor control

Senses and their participation in motor control; The role of the CNS in motor control; Principles of speed and accuracy; Coordination; Individual differences and abilities;

Part III: Motor learning

Motor learning concepts and research methods; Factors affecting exercise; Significance of feedback; Learning process; Memorization and transfer

Recommended literature

Richard Schmidt, Tim Lee, Carolee Winstein, Gabriele Wulf, Howard Zelaznik. Motor Control and Learning 6th Edition. Champaign, IL: Human Kinetics; 2019.

Number active classes	Theory: 4	Practice:

Course delivery methods

Theoretical lectures, Study research work

Knowledge assessment (maximum number of points 100)

Lecture activity - 30

Colloquia - 40

Written exam - 30

Testing ways may vary: (written exams, oral exams, project presentations, seminars, etc. ......)

*maximum length 1 A4 page