Study program: Special education and rehabilitation sciences

Type and level of studies: Doctoral Academic Studies

Title of the subject: Fundamental research of motor disabilities

Lecturer: Goran M.Nedović; Fadilj N. Eminović; Dragan S. Marinković

Course status: Elective

ECTS: 20

Prerequisites: /

Aim:

IntroducingPhD students with the latest research results and trends inadvanceof modern science in scientific field of motor disabilities. To present to studentsmodern research methods used in the investigationof motor disabilities. To help students to develop their own instruments for scientifically objective collection, processment, presentation and discussionof results from this scientific field.

Outcomes: Students acquire modern knowledge in the field of etiology and pathophysiology of various motor disabilities. This knowledge enables students of doctoral studies to objectively examine problems in the domain of motor disabilities during periodof developmentas well as in adulthood.

Contents:

Lectures:

Paradigms, methods and instruments of scientific research in the field of motor disabilities. Methodological approach in the investigationof motor disabilities (holistic, structural, interdisciplinary, transdisciplinary, cognitive, educational, clinical ...).Scientific results of empirical and theoretical research of motor disabilities. Epidemiology of motor disabilities. Phenomenology of motor disabilities.

Practical work:

Search for relevant databases; analysis of scientific literature; presentation of books, journalsand scientific meetings; writing and publishing of scientific papers. Active participation in scientific meetings (organization and presentation of papersand posters).

Literature:

1. Fredericks, M. C. & Saladin, K.L. (Eds.) (1996). *Pathophysiology of the motor systems: principles and clinical presentations*. Philadelphia, PA: FA Davis Co.
2. Cook, G. (2011). *Movement: Functional movement systems: Screening, assessment, corrective strategies*. Lotus Pub
3. Danion, F., & Latash, M. (Eds.). (2011). *Motor control: theories, experiments, and applications*. Oxford University Press.
4. Pelligrino, T. L. (2009). *Handbook of motor skills: development, impairment and therapy*. Nova Science Publishers.
5. Levitt, S. (2004). *Treatment of cerebral palsy and motor delay*.Wiley-Blackwell

Number of active classes per week

Lectures: 3	**Research work**: 10

Teaching methods:

Lectures in PowerPoint format, illustrated video clips, work in discussion groups, analysis of relevant scientific literature.

Evaluation of knowledge (maximum score 100)

Pre obligations	**Points**	**Final exam**	**Points**
Research project	30	Written exam	/
Seminars	20	Oral exam	50