

UNIVERSITY OF BELGRADE
FACULTY OF MEDICINE
PhD STUDIES

NAME OF THE MODULE: RESEARCH IN REHABILITATION

CONTENT OF THE MODULE

Doctoral studies from the study program - Research in rehabilitation should enable students to acquire specific knowledge and integrative research experience that are necessary for research work. Students will be familiar with the latest scientific findings in the field of rehabilitation, methods of applying specific techniques used in research, with an understanding of etiopathogenetic mechanisms of functioning of interest to rehabilitation sciences. With the active participation of the mentor, the students will be trained to formulate hypotheses and objectives of the research problem, by adequately setting up methodological techniques, mastering the conduction of the research procedure and critical analysis of the obtained results. Lectures and practical work will be designed for students to learn the methodological postulates of the research process, the specifics of research in rehabilitation and to understand contemporary scientific literature. Interactive work with students will aim at mastering the techniques of presenting the results of their work at scientific meetings and writing scientific publications. Education through the program of doctoral studies in Research in rehabilitation should lead to the formation of high-quality and modern researchers and university associates and teachers, who will be qualified for the formation of new research directions and the introduction of new technologies.

ENROLLMENT REQUIREMENTS

Special: persons with completed integrated academic studies in medical sciences for a duration of 6 years (360 ECTS), who have shown the sense for scientific research work in the relevant field as evidenced by publications in which the candidate is an author (one original paper in a journal cited in Medline database in which the candidate is an author)

General: average grade from the previous level of study that is at least 8.00 (eight), knowledge of the English language up to the level of communication and scientific literature, appropriate computer skills and desirable recommendations related to engaging in scientific research, i.e. evaluating the results of scientific research candidate's work.

MEMBERS OF THE ADVISORY BOARD

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LIST OF OBLIGATORY SUBJECTS

- Methodology of scientific research work
- Research ethics

- Informatics
- Statistics for researchers in biomedical sciences (basic course)
- Functional tests and diagnostic methods in rehabilitation
- Perspectives and controversies in rehabilitation research
- Disability and research in rehabilitation

LIST OF ELECTIVE SUBJECTS

- Genetic basis of recovery and rehabilitation
- Research into the role of controlled physical activity in prevention and rehabilitation of chronic non-communicable diseases
- Research and the role of the multidisciplinary model in brain rehabilitation impact and traumatic head and spinal cord injuries
- Pain in rehabilitation – modalities and pain control
- Functional tests to assess work ability
- Research into the role of physical therapy modalities and balneoclimatology in rehabilitation
- Research and mechanisms of adaptation in children's rehabilitation
- Preventive measures and therapeutic interventions in musculoskeletal rehabilitation
- New technologies and bioengineering in rehabilitation