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Abstract

DOCTORAL STUDY OF KINESIOLOGY – THE IMPLEMENTATION OF BIOMEDICAL SUBJECTS IN THE STUDY CURRICULUM

Kinesiology, as a science of human movement and of managing the processes of teaching and exercise, significantly contributes to the increase of the level of perceptions in this field as well as in the application of those perceptions in the education system, sport, recreation, kinesiotherapy and sport for people with disabilities. The study curriculum has been continuously modernized in accordance with the expansion of perceptions within the field of kinesiology and interdisciplinary areas. The structure of the postgraduate doctoral study of kinesiology at the University of Zagreb is presented with special attention to the implementation of interdisciplinary subjects. The study curriculum is composed of four credit groups. Three credit groups embrace study subjects for which lectures, seminars and contact hours are organised, whereas the fourth credit group presumes independent research activity of a student. The study is based on the holistic approach to research in the field of kinesiology taking into account the fact that the knowledge of all characteristics, abilities and skills of a man as a bio-psycho-social being is necessary for understanding human movement and the process of teaching and exercise. It is also necessary to know a whole series of environmental factors and factors of interaction between the man and the environment that significantly influence the transformation of abilities, characteristics and skills relevant for the preservation and improvement of health as well as for success in sport and physical exercise. This is the reason why the study subjects from the field of biomedical, social and humanistic sciences are significantly represented in the postgraduate study curriculum together with the basic and applied kinesiological disciplines. Biomedical subjects are implemented in the 1st group of methodologically oriented compulsory subjects as well as into the 2nd and 3rd credit group composed of both the elective subjects and elective selected topics, covering a variety of areas of the fundamental and applied kinesiology and of numerous adjacent and cognate

interdisciplinary areas. The presentation gives the list and structure of the 2nd credit group of elective modul of Kinesiological Recreation and 2nd credit group of elective subject where biomedical aspects are markedly represented. During their study, the students pursue knowledge of the scientific methodology of kinesiological research which qualify them for the design and realisation of fundamental, developmental and applicative research projects. Besides, the students acquire a vast amount of scientific information, perceptions, findings and concepts from the fields of scientific interest of the chosen elective module and elective subjects from kinesiology, as well as from the adjacent and cognate interdisciplinary scientific fields.

Key words: *doctoral study, biomedical subject, study curriculum*