

CREATION OF CONTEMPORARILY DESIGNED COURSES BASED ON THE PRINCIPLE OF CONSTRUCTIVE ALIGNMENT

Lecturer: prof. dr Jasna Adamov

Date: 9th September 2019.

Language: English or Serbian

Venue: Building of the Department of Chemistry, Biochemistry and Environmental Protection, Faculty of Sciences, Novi Sad

Course duration: 1 day (8 hours); upon completion of prerequired activities of participants on Moodle NETCHEM platform (cca 12 hours)

Price: free

Target group: university teaching staff

Goal: Training of university teachers for the creation of contemporarily designed courses for graduate, master and Ph.D. students, based on the principle of constructive alignment

Significance of the course: Since one of the regional priorities is the development of tools for learning and teaching, methodologies and pedagogical approaches which are based on planned learning outcomes and ICT-based activities, this course will provide university teachers adequate knowledge to design and conduct new and existing courses in line with contemporary approach of harmonization of learning outcomes, teaching evaluation methods, which will contribute to the quality of education in universities

Course organization: The first part of the course will be organized as a form of e-education (via Moodle NETCHEM platform) and requires individual activities of participants. Applications are accepted before 29th June 2019, and accepted participants will be notified by 30th June 2019. In case all available places are filled in before the given dates, letter of acceptance will be sent before June 30th. The course on Moodle NETCHEM platform will be open on July 1st 2019. Participants are expected to read the teaching materials, solve tests and complete necessary assignments (these activities require cca 12 working hours). The second part, which requires physical presence of participants, will last 8 hours and includes workshops and discussions about topics covered in electronic materials.

Contents:

ACTIVITIES ON MOODLE PLATFORM: Learning. Types of learning. Surface, strategic and deep approach to learning. Constructive alignment of educational elements (intended learning outcomes - ILO, teaching methods – TLA, classroom assessment techniques – CAT). Modern TLA. Evaluation techniques in formative and summative assessment. New didactic tools in knowledge assessment. Open educational resources (OER) – principles of design of OER. Role of multimedia in education. Importance of educational videos and interactive concept maps. New didactic tools in knowledge representation.

ACTIVITIES AT UNIVERSITY: *Workshop 1:* Creation of learning outcomes at different cognitive levels. *Workshop 2:* Forms of teaching and learning: lectures, practical work, seminars, team

work, case studies – advantages and disadvantages, application options, selection of the most suitable form in line with planned outcomes.; *Workshop 3*: design of questions according to the revised Bloom's taxonomy. *Discussion*: design of tests; design of a quality teaching presentation in accordance with principles for reducing cognitive load.

Methods and forms of work: lectures, workshops, discussion, case study, individual activities of participants.

Number of participants: 5-24

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