

---

## Minutes of the E2.1-1 and E2.1-3 Training

ERASMUS-EDU-2022-CBHE

### Development and Implementation of Metacognitive Problem-Based Modules in Blended Learning Courses in Medical Sciences

Dates: June 14-17, 2023

Venue: University of Belgrade, Belgrade

---



Co-funded by the  
Erasmus+ Programme  
of the European Union



**Activity: Knowledge transfer from EU HEIs to WBC HEIs**

*Belgrade, June 14-17, 2023*

The meeting "Knowledge transfer from EU HEIs to WBC HEIs" was held in Belgrade from June 14 to June 17, 2023. In order to harmonize the dynamics of the implementation of project activities with the dynamics of the teaching process at WBC HEIs, this meeting consisted of two successive trainings within WP2 (E2.1-1 and E2.1-3).

The meeting was attended by 47 participants, 24 from partner countries and 23 EU representatives. 25 teachers and associates of UoB participated in the preparation of materials and metacognitive problem-based (MCPB) modules. 19 teachers and associates participated in the lectures and presentation of the MCPB module. Administrative staff trainings were led by 4 trainers from the group of administrative technical staff.

Based on the conducted questionnaire about the use of the Moodle platform, it was concluded that the level of use of Moodle is not the same among all partners. Since working on the Moodle platform (within which blended learning courses and MCPB modules are implemented) is essential for project management, in agreement with the project coordinator, an additional activity "Training for working on the Moodle platform for administrators and teaching staff" was implemented at the meeting. This added value to the project. For the needs of that training by the UoB, a special course called ProBLEMS was created on the Moodle platform of the UoB, in which all participants were enrolled (<http://nexus.med.bg.ac.rs/nexus/course/view.php?id=1142>). As part of the ProBLEMS course, the teaching staff conducted the training necessary for the realization of the MCPB module. In addition, due to the limitation of the number of participants per institution at the meeting (two of the teaching staff and one of the administrative and technical staff), and due to the importance of the training for the implementation of the project, the organizers provided a live stream for the entire duration of the training. The live stream had a total of 92 accesses.

On behalf of the host institution, the meeting was opened by Asst. Prof. Zoran Bukumiric, who welcomed everyone present and wished them successful work. After him, the Vice-Rector of UoB Prof. Ratko Ristic, who emphasized the importance of improving teaching through the application of the MCPB module, pointed out the professional and social scope achieved by the implementation of this project and wished to all participants successful work at the training. The Project coordinator Prof. Dejan Bokonjic greeted everyone present, pointed out the importance of this training for the development of the MCPB module and wished them successful work. The Project coordinator for UoB Zoran Bukumiric presented the Agendas for both trainings (E2.1-1 and E2.1-3), which were adopted by all participants.

The main parts of the training were:

- Knowledge transfer from EU HEIs to WBC HEIs – Introductory presentations
- Transfer of the necessary knowledge for administrative and technical staff of WBC HEIs
- Knowledge transfer to the teaching staff of WBC HEIs
- Practical work on MCPB modules with WG for medical statistics
- Practical work on MCPB modules with WG for preventive medicine
- Practical work on MCPB modules with WG for basic areas of medicine
- Practical work on MCPB modules with WG for clinical areas of medicine

During the first day, as part of Knowledge transfer from EU HEIs to WBC HEIs - Introductory presentations, Prof. Dusan Backovic spoke about *Cognition and Knowledge*, the importance of improving learning models that encourage better cognition and give better results of students' acquired knowledge. Prof. Branko Jakovljević presented *New learning models in medical sciences* at UoB and explained the place and importance of applying the MCPB module in the teaching process at UoB. The presentation of Prof. Dejana Stanisavljevic *Blended learning in medical sciences* showed what is used within the blended learning courses on the Moodle platform in Medical Statistics and Informatics at the Faculty of Medicine UoB. After that, the members of the UoB team presented the use of the Moodle platform and the implementation of various activities within blended learning courses: lessons (Assist. Prof. Andja Cirkovic), assignments (TA Jelena Milin Lazovic), test (Assist. Prof.

Zoran Bukumiric), forum (TA Nina Rajovic) and learning outcomes (Marko Savic). After each presentation, the training participants were able to ask questions and open a discussion, which they did several times, which further increased the involvement of the participants and the exchange of information and ideas.

The second working day consisted of two parts. The first part consisted of Transfer of the necessary knowledge for administrative and technical staff of WBC HEIs. In this part, the trainings for *Creating blended learning courses* (Nikola Ilic), *Creating accounts and user registration* (Marko Savic), *Creating and working with cohorts* (Ljubica Carevic) and final obligations for administrative and technical staff training for the monitoring and support of all segments of the implementation of the teaching process with MCPB modules (Nikola Ilic, Ivan Nikolic) were carried out on the Moodle platform. Through these courses, the administrative and technical staff of WBC HEIs were trained to the level of independently monitoring and participating in the necessary activities for the implementation of the MCPB module as a new form of learning. In the second part of the Knowledge transfer to the teaching staff of WBC HEIs training, UoB teachers and associates conducted training in the use of the Moodle platform for various activities. Creation and editing of lessons within the Moodle platform as a basis for blended learning courses was handled by Asist. Prof. Andja Cirkovic. Creation, teaching and assessment of tasks was demonstrated by Asist. Jelena Milin Lazovic. Creating questions and tests was practically demonstrated by Assist. Prof. Zoran Bukumiric. Creation of different types of forums and participation in them was demonstrated by Assist. Nina Rajovic. The creation of reports to monitor outcomes within the Moodle platform was demonstrated by Prof. Natasa Milic and Marko Savic. After each presentation, there was a free discussion, during which all participants asked questions and participated in a discussion related to the application of activities on the Moodle platform. Through the second part of the training, the teaching staff of WBC HEIs was trained to implement the activities on the Moodle platform that are necessary for the implementation of the MCPB module.

The third day included practical work with MCPB within the Medical Statistics WG. In the introductory presentation, Asst. Prof. Zoran Bukumiric explained the structure of the MCPB module and presented several different MCPBs from the field of Medical Statistics. After that, the participants had the opportunity to create MCPB step by step with the lecturers. In the second part of the day, MCPB modules from the field of preventive medicine prepared by Prof. Katarina Paunovic and Prof. Milos Maksimovic were presented.

In the first part of the fourth day, practical work was carried out with MCPB modules from the basic areas of medicine. For the needs of the ProBLEMS project, the following participated in the development and presentation of the MCPB module from the basic areas of medicine: Asst. Prof. Dragana Srebro, TA Vedrana Makevic, Prof. Marija Matic, Asst. Prof. Vesna Coric. In the second part of the fourth day, within the framework of the WG for clinical areas of medicine, several examples of MCPB modules adapted to clinical branches of medicine were presented. For the needs of the ProBLEMS project, the following participated in the development and presentation of MCPB modules from clinical areas of medicine: Prof. Dusan Popadic, Prof. Darko Antic, Asst. Prof. Mirjana Mitrovic, TA Radmila Sparic, TA Sindi Mitrovic, Asst. Prof. Ratko Tomasevic, Asst. Prof. Strahinja Odalovic, TA Aleksandra Radovanovic Spurnic, TA Danilo Jeremic, TA Igor Spurnic and TA Ivan Bogdanovic.

During the third and the fourth day, the practical application of the MCPB module within all the mentioned WGs was carried out through continuous interactive communication between lecturers and participants, in which the listeners (teaching staff of WBC HEIs) were trained to independently design, create and implement MCPB modules in their fields, as well as for assisted transfer of mentioned knowledge upon return to their home HEIs. To the audience was presented a support model for knowledge transfer that they should implement in the parent HEIs through the activities of the Development-Implementation-Dissemination (DID) team.

After the completion of all planned educational activities, a discussion was opened on all the topics covered by the training. Participants asked questions, received answers and exchanged opinions on various aspects of the application of the MCPB module in medical sciences.

In order to show another aspect of the application of activities within the Moodle platform, which is not teaching but which is related to teaching and research, an evaluation of all activities realized during the training was done through the Questionnaire activity.

The meeting was excellently organized by UoB, Asst. Prof. Zoran Bukumiric and his team from the Medical Faculty UoB.

**Notes:**

- A complete overview of the activities carried out during activities E2.1-1 and E2.1-3 can be obtained on the official website of the ProBLEMS project: <https://problems.mf-foca.edu.ba>
- The project activities presented in this report were additionally disseminated on the website of the University of Belgrade (<http://www.bg.ac.rs/sr/vest.php?id=2208>) and the site of the Faculty of Medicine UoB (<http://med.bg.ac.rs/?p=30073>).
- All presented MCPB modules within the ProBLEMS course on the Moodle platform of UoB are available for training and practice to education participants via the following link: <http://nexus.med.bg.ac.rs/nexus/course/view.php?id=1142>.
- In the case of the need to renew the knowledge acquired during the trainings, within the ProBLEMS course, participants are given access to lecture recordings created during the streaming of the event.