



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



Call for participation

STEAM technology training in Belgrade is organized as a part of the Learning, Teaching, Training activities of Erasmus+ project

*Mathematics of the Future: Understanding and
Application of Mathematics with the help of Technology, FUTUREMATH*

Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for higher education
Ref. No.: 2020-1-RS01-KA203-065388

Belgrade Metropolitan University

announces

STEAM technology training in Belgrade

FUTUREMATH project aims to expand and modernize teaching and learning methods used in the field of mathematics and mathematics-based sciences through modernization of Calculus courses with STEAM principles.

Main goals of the “STEAM technology training” will be on STEAM pedagogical approaches: collaborative learning, project based learning, mathematical modeling in teaching and learning mathematics at university level. During this training the attendees will be informed about the FUTUREMATH goals and results and will be taught how to use the obtained guidelines for implementation of STEAM methods in class. The focus will be given on:

- Analysis of good EU practice based on STEAM,
- Presentation of Guidelines for implementation of STEAM technologies & methodologies,
- Presentation of developed exemplary courses.

STEAM technology training will cover the following:

- Introduction to STEAM methodologies,

"The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."

- Knowledge assessment in STEAM context,
- Opportunities and challenges in introducing STEAM methods in university mathematics courses,
- STEAM lesson plan designing,
- Methods of creating the interactive teaching materials.

During the training the participants will have the opportunity to develop their lesson plans, lesson content and record video tutorials for their teaching material.

STEAM technology training in Belgrade will be organized for teachers that will be involved in pilot courses with developed lessons, mathematics teachers, and other STEAM teachers. Belgrade training will concentrate on the development of course content and its implementation on eLearning platform, using developed STEAM methodologies. The focus is on training the teaching staff how to apply both pedagogical and technological approaches in STEAM education for online learning and teaching materials.

Who can apply: We welcome mathematics and STEAM teachers from Belgrade Metropolitan University, University of Novi Sad, Republic of Macedonia Goce Delcev state University Stip, and Universitatea Politehnica Timisoara.

Prerequisites: It is required for participants to be employed at one of the partner institutions and be part of the teaching staff.

Conditions:

- There is no participation fee, as participation is supported by the 2020-1-RS01-KA203-065388 Erasmus+ project "Mathematics of the Future: Understanding and Application of Mathematics with the help of Technology, FUTUREMATH".
- Participants have to mention this support when the participation is referred.
- Travelling expenses and cost of stay will be covered by the partner institutions according to Erasmus rules

Participants will receive the electronic handouts.

Application form can be downloaded from this web site. Deadline for application is January 1, 2022

Details and downloads:

FUTUREMATH (<https://futuremath.pmf.uns.ac.rs/>)

"The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."

Authors:

Aleksandar Takači, Đurđica Takači, Doru Paunescu, Biljana Jolevska Tuneska, Nikola Tuneski, Rale Nikolić, Miroslava Raspopović Milić, Bogdan Caruntu, Dragan Mašulović, Limonka Koceva Lazarova, Biljana Zlatanovska, Marija Miteva, Mirjana Brdar, Mirjana Mikalački, Adina Juratoni, Aleksandra Stevanović.

Contact:

Miroslava Raspopović Milić miroslava.raspopovic@metropolitan.ac.rs

Rale Nikolić rale.nikolic@metropolitan.ac.rs

Bojana Domazet bojana.domazet@metropolitan.ac.rs



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



"The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."