

Continuous Professional Development Program UPKM

PROJECT INFO

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Institution	UPKM

Continuous Professional Development Program

According to Article 118 of the Statute of the Faculty of Technical Sciences in Kosovsa Mitrovica, the Faculty can independently or in cooperation with other higher education institutions implement programs throughout life, outside the framework of the study program for which it has a work permit. The same article of the Statute foresees that programs of continuous professional development are implemented through courses, seminars, workshops, professional and scientific counseling, and other forms of training where participants are introduced to certain areas of profession and science in order to expand and deepen the acquired knowledge and successful work in practice.

According to Article 119 of the Statute of the Faculty of Technical Sciences in Kosovsa Mitrovica, the program of continuous professional development is not considered studies, and the participants do not have the status of a student in terms of the law and the Statute of the Faculty of Technical Sciences in KM.

FTN in KM is a participant in the KALCEA project (Knowledge Triangle for a Low Carbon Economy 618109-EPP-1-2020-1-EL-EPPKA2-CBHE-JP) where one of the activities (for the last year of the project) is the establishment of the Knowledge and Innovation Center within which training courses in the field of electrical engineering and mechanical engineering would be held. It is foreseen that the participants of the courses can be: professionals from the economy, public sector, education sector, as well as students of basic, master's and doctoral studies.

At the XIII session of the NNV, held electronically, on June 22, 2022, the Council unanimously adopted the proposal of the Department of Electric Power to establish a Center of Knowledge and Innovation within the KALCEA project, on the basis of which the Faculty Council made a Decision on the establishment of the Center.

It is planned to place notices for enrolling participants in training courses on the Faculty's website as part of the KALCEA project. Training from each course is expected to last at least 15 school hours (45 minutes in duration), which are divided into 7 periods. Participants choose a certain number of subjects from the list of subjects listed below, so that the total number of ESPB points is at least 15. Participants will receive a certificate upon successful completion of the training.

Depending on the number of registered participants and selected courses, a training schedule will be formed in the premises of FTN in KM.

Participants can choose the following training courses:

1. Optimal management of microgrids with renewable energy sources using the Microgrid Design Toolkit software - Dr. Bojan Perović, (2 ESPB points)
2. Calculation of power flows using ETAP software, Dr. Miloš Milovanović, (2 ESPB points)
3. Educational software package for EES analysis - epsa, Dr. Jordan Radosavljević, (2 ESPB points)
4. Lighting design and photometric calculations using DIALux software, Dr. Saša Štatkić/Jovan Vukašinović, (2 ESPB points)
5. Innovative technologies in smart power grids, Dr. Saša Štatkić, (2 ESPB points)
6. Smart photovoltaic inverters and low-voltage distribution network, Dr. Saša Štatkić, (2 ESPB points)
7. Thermal processes in renewable energy sources, Dr. Dardan Klimenta (2 ESPB points)
8. Fundamentals of CNC programming of 3-axis milling machines using the SolidWorks software package, Dr. Dragan Lazarević, Dr. Milan Radenković (2 ESPB points)
9. Modern coordinate metrology, Dr. Dragan Lazarević, Milan Blagojević (2 ESPB points)
10. Procedures for modeling 3D parts and 3D printing using FDM methodology, Dr. Dragan Lazarevic (2 ESPB points)
11. Welding technology, Dr. Živče Šarkoćević, Dr. Ivica Čamagić (3 ESPB points)

The planned courses were formed in accordance with the objectives of the KALCEA project.

From the working documents of the KALCEA project, the following goals are defined:

The strategic goals of the Center of Knowledge and Innovation are reflected in systematic cooperation primarily with the economic/industrial sector in order to develop joint projects, both research and commercial.

In accordance with the defined mission and vision of the Center of Knowledge and Innovation, the general goals are:

- improvement of the research capacities and abilities of the staff of the Faculty of Technical Sciences in Kosovska Mitrovica,
- improvement of the infrastructure for given scientific needs,
- establishment of better cooperation between industry and the Faculty,
- helping students and future professionals in their fields to more easily adapt to the constantly changing innovative market.

The strategic goals of the Center of Knowledge and Innovation, based on all of the above, are:

- establishing an operational environment for research and innovation at the Faculty of Technical Sciences in Kosovska Mitrovica,
- increasing research capacities at the Faculty by providing additional equipment and a research environment,
- build research partnerships with external institutions and the economy,
- encouragement of applied research among master's and doctoral students and work on specific problems in the economy,
- provision of additional funds for continuous improvement of the infrastructure needed for research,
- monitoring of research activities and assistance in the development of new plans and policies in the field of research and science.

The opening of the new Knowledge and Innovation Center at the Faculty of Technical Sciences in Kosovska Mitrovica will enable additional intensification of cooperation with the economic sector as well as with other scientific and research institutions through:

- use of human resources of the Faculty,
- use of new laboratories and inclusion of existing ones,
- expanding the network for cooperation in different spheres,
- exchange of knowledge with partner institutions, etc.