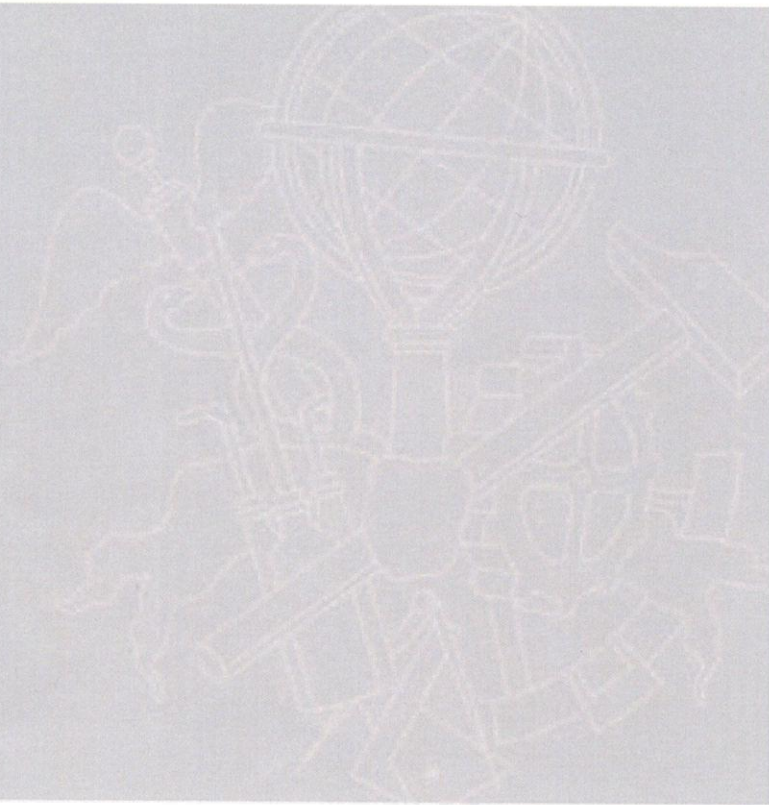


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SHORT COURSES

isep Instituto Superior de
Engenharia do Porto

The ISEP - Instituto Superior de Engenharia do Porto certifies that:

Massaliyeva Zhanar

Born in Kazakhstan, owner of the passport number N10256882

Successfully completed the Professional Development course in Education for Higher Education Institutions that took place between 26th October and 04th November 2017.

A handwritten signature in black ink, which appears to read 'João Rocha'.

(Presidente)
João Rocha

Porto, 04th November 2017

Modules

| | | |
|------------------|--|--|
| Module 1: | <i>Higher Education in Europe</i> 2 academic hours | Explore the features of the educational system in Europe, the results of the restructured system after "Bologna Agreement". Lessons learned. |
| Module 2: | <i>Organizational Issues</i> 2 academic hours | Show the importance of articulating the strategic objectives of the University, in terms of professional profile, based on a clear and well-structured definition and planning, making use of its three fundamental functions (teaching, research and interaction). |
| Module 3: | <i>International Projects Development</i> 4 academic hours | Focusing in the development of international projects the students will go through the practical challenge of understanding the preparation a proposal to be financed by international funds that support the education development. |
| Module 4: | <i>CDIO Usage in Higher Education</i> 6 academic hours | The CDIO™ INITIATIVE is an innovative educational framework that provides students with an education stressing engineering fundamentals set in the context of Conceiving-Designing Designing – Implementing - Operating (CDIO) real-world systems and products. |
| Module 5: | <i>ICT Usage in High Education</i> 6 academic hours | This module deals with the didactic and pedagogical potential of ICT in undergraduate courses. Namely, we will discuss ICT opportunities on educational content that go beyond the textbooks and tools. |
| Module 6: | <i>Research and Career Development</i> 4 academic hours | It covers the objectives of the scientific research, base concepts and types of research. The Scientific method. Literature revision. Publication of results. Project proposal preparation. |
| Module 7: | <i>Pedagogy, Training Methodology and Evaluation</i> 12 academic hours | Know the different educational approaches (traditional, modern, postmodern), and the characteristics of competency-based training starting from a complex socio educational approach. |
| Module WS | <i>Learning by teaching</i> 8 academic hours | Students teaching exercise followed by group evaluation on teaching methodologies. The learning by teaching uses the higher level of competences transmission under the bloom taxonomy. The group discussion also allows the best practices spreading on the classroom approaches. |
| Module WG | <i>Working Group</i> 37 academic hours | Students supervised preparation of an Educational Project using everything learned in the course |

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