



General Information about the Course

LLL Pilot Course Name:	Technology of E-labs development
University:	TSNUK
Target student group:	Masters, Post Graduates
Mode of delivery:	<input type="checkbox"/> Face-to-face <input type="checkbox"/> Blended learning <input type="checkbox"/> Distance learning <input type="checkbox"/> Other:
Length of the LLL course:	120 hours
ECTS awarded:	
Start date: 01 02 2016	End date: 31 04 2016

Course Overview

Give a short information about the course (max. 200 words)

The relevance of the e-labs development course for LLL, business and entrepreneurship. The role of virtual labs (VL) and their use. Technology of development virtual labs and their application (Theory and Practice).

Course Details

• What skills will students acquire as a result of the training?

Key skills in understanding and resolving problems of implementation of distance learning technologies for technical specialties in LLL, features and capabilities of modern technologies of virtual remote labs development.

Key skills in technology creation virtual labs and their application, creation and organize an efficient supply of material to support multimedia training, programs of VL creation, stages sequence of VL scenario, principles of engineer preparing of VL, elaboration and preparation of tests.

• What are the benefits of the course?

The benefits of the course is its completeness and the opportunity of studying some of its parts.

• What will students study on this course? (e.g. Number of modules, Module topics etc.)

3 Modules. Module 1 (3 - topics), Module 2 (7- topics), Module 1 (2 - topics).
Module 1 (3 - topics)

Entry requirements

• Application and selection

Selection of applicants will be based on their desire, the needs of their skills improving and searching a new employment.

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Skills of work with office Programs

Career prospects

Career advancement. Development of the course is caused by the needs of the labor market, especially in IT-branches because of the constant development of technological means. The course



"Technology of e-labs development" with training qualification will allow target group students to specialize in their area of interest. Advanced instructional design will give them more of an idea of state of the art lab equipment and simulators are like. It will raise aspirations among young people to work in modern laboratories. Students with obtained qualifications during training are more likely to find work after graduating than those with undergraduate degrees. There are sectors where, in order to meet an appropriate professional level, specialists need wide e-labs and case methods implementation with the technical application in the field in engineering, to incorporate modern techniques and wide use of automation equipment. Such qualifications as testing new products, their preparation for the marketplace and advanced modeling in chemical, pharmaceutical, molecular biology labs will boost positive experience, the salary of future specialists and employability in professional positions. The experience of studying part-time while working also helped to stay organized and manage their time. The relevance of the course for LLL, business and entrepreneurship helps prospective students think strategically about where and what they study. If the students want to get into modern high tech industry, then strategical thinking is very important for getting work experience or going on placements with their studies.