

Course name: **Software Engineering**

No. of ECTS: **4**

Aim:

- Acquiring ability to create a project/model of software using different methodics and support tools based on specified system requirements;
- Familiarizing with interface designing problems. Taking part in implementation, testing validation and software development processes.

Course content:

- Designing and modelling of software. Structural and object-oriented methodics;
- System architecture project. Contemporary architecture templates overview;
- Detailed techniques of modelling software's data processes and structures. Conceptual, logical and implementational modelling;
- Introduction to user's interface designing. Software development in its exploitation stage, implementing changes.

Skills:

- Knowledge and understanding of application designing structure based on system requirements, ability to choose appropriate method of application modelling and to suggest data encoding system;
- Ability to design a functional and informational SI structure using various techniques, creating a model of designed application;
- Ability to create software creatively and consequently, discussing and sharing ideas and drawing conclusions.

Form of teaching:

Lectures, classes, e-learning.