

## LLL course description form

Type of learning: Blended Learning

Workload for the learner: 10 hours teaching+50 hours self-learning = 60 hours (2 ECTS)

Title:	<b>Software Design and Testing</b>
Learning Outcomes:	<p>By the end of the course, the student is able to:</p> <ul style="list-style-type: none"><li>• Using technologies and methodology for software design</li><li>• Elaborate test cases,</li><li>• Handle document flaws and mistakes,</li><li>• Implement a partial and complete retesting,</li><li>• Conduct white and black box testing.</li></ul>
Method/s for teaching and learning:	<ul style="list-style-type: none"><li>• Interactive lectures</li><li>• Reading material</li><li>• Subject Oriented Terminology</li><li>• Team work</li></ul>
Content/short description:	<p>The course covers bases of software design process, software technologies and design methodology.</p> <p>In the course introduce the fundamental concepts of software testing, software development models, test levels and test types.</p> <p>At the end of the course, students will be presented with the concepts of creating test-cases and bug-reports, which they will be able to apply in practice.</p>
Structure of the course:	<ul style="list-style-type: none"><li>• Software Design Concept</li><li>• Fundamentals of Testing</li><li>• Testing Throughout the Software Lifecycle</li><li>• Static and Dynamic Techniques</li><li>• Test-cases, Bug-reports</li></ul>
Preparer of the course:	Marine Usepyan
Method/s of assessment*:	Individual Testing, exam
Method for evaluation of course (by students, peer review etc.):	an anonymous survey of students and a non-anonymous survey of specialists

\* Optional, in case if the learner requires certificate for the 2 ECTS issued.