

<b>Level:</b> bachelor				
<b>Course title:</b> Information systems 1 (code:I052)				
<b>Status:</b> obligatory				
<b>ECTS:</b> 7				
<b>Requirements:</b> I031 Databases 1, I032 Object-oriented programming				
<b>Learning objectives:</b> Modelling of information systems using unified modelling language – UML				
<b>Learning outcomes:</b> <i>Minimum</i> Knowledge of syntax and semantics of unified modelling language. <i>Desirable</i> System modelling using UML.				
<b>Syllabus:</b> <i>Theoretical instruction</i> Overview of methodologies regarding information system modelling. Unified modelling language - UML. Basic concepts of object-oriented approach in system modelling. Modelling systems using use cases. Static, dynamic and physical models. Applying UML in system modelling. Examples of models of systems.  <i>Practical instruction</i> Modelling of individual aspects of the system using appropriate UML diagrams. Drawing diagrams using the CASE (Computer-aided software engineering) tools that support UML 2.0.				
<b>Weekly teaching load</b>				
Lectures: 2	Exercises: 3	Other forms of teaching:	Student research:	Other: