Discipline	SOFTWARE ENGINEERING code: 28	**winter semester**
Specialty	Computer Systems and Technologies	
ECTS credits: 7	Form of assessment: exam	
Lecturer	Assoc. Prof. Violeta Bozhikova, PhD Room 310 TB Phone: +359 52 383 616 E-mail: vbojikova@tu-varna.bg	
Department	Software and Internet Technologies	
Faculty	Faculty of Computing and Automation	

Learning objectives:

The goal of Software Engineering is the construction of complex, maintainable software at reasonable cost. Software engineering applies both computer science and engineering principles and best practices to the design, implementation, testing, maintenance and evolution of software. Today, software engineering, as a discipline, is a cornerstone of the information technology sector and a significant factor in our economy. This course covers not only the technical and practical aspects of building and testing software systems, but also management issues. The course describes the general methods for software design, specification and testing. The course includes also additional topics related with the design for change, configuration management, and software tools.

<div align="center">CONTENTS:</div>

Training Area	Hours lectures	Hours seminar exercises
Software Life Cycle and Software Development Processes	2	2
Formal specifications	2	2
Project Management	2	2
Interaction Styles (User interface design)	3	3
Architectural Design	3	3
Testing and Other Verification Methods	3	3
Software change strategies	3	3
Distributed Software Engineering etc.	2	2
TOTAL: 60 h	**30**	**30**