

ICS 414 : Software Engineering II (3 cr.)			
Description	Continuation of 413. Project management, quality, and productivity control, testing and validation, team management. Team-oriented software implementation project		
Prerequisites	413 ,		
Learning Objectives	<ul style="list-style-type: none"> ● have gained practical experience in each of the issues developed in ICS 413 via application to a real-world software project ● have built, tested, documented, and deployed a substantial real-world software system ● have gained the ability to work as a productive software development team ● have gained an appreciation for the complexities involved in creating a high quality software system that satisfies current user requirements, that has an acceptably low level of defects, and that is designed and documented sufficiently to be maintained in the future by other developers 		
Topic List	#	Topic	Lecture Hours
	1	Incremental software construction and validation	4.0
	2	Software testing	4.0
	3	Software review	4.0
	4	Usability issues	4.0
	5	Software evolution	4.0
	6	Testing and configuration management technology	4.0
	7	Software documentation	4.0
	8	Software maintenance	4.0