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References: Software Engineering: A Practitioner's Approach (**Pressman**)

Projects and Homeworks will be uploaded on the LMS (lms.uok.ac.ir) every Thursday.

Evaluation: 35% final exam+65% projects.

Session No.	week	Topic
Session 1	1	Why Software Project Fails? Introduction to Stockholders and design process.
Session 2	2	Possible Procedures for developing software. From traditional ones to the newest.
Session 3	3	Introduction to different methodologies of software developing.
Session 4	4	Project management and necessary tools.
Session 5	5	Introduction to object oriented based methodologies – Especially RUP
Session 6	6	Introduction to different steps of RUP – documenting different steps
Session 7	7	What are the output and input of each step – how to model data and procedures?
Session 8	8	Introduction to modeling languages- Especially UML.
Session 9	9	How to create package and use-case diagrams? Explanation with some examples
Session 10	10	How to create class and state diagrams? Explanation with some examples
Session 11	11	How to create sequence and activity diagrams? Explanation with some examples
Session 12	12	Using diagrams that are created by different teams to implement a software.
Session 13	13	How software would be tested?
Session 14	14	Presentations
Session 15	15	Overview