

~~Exam 1/3~~

ASE-2927 Systems Engineering in Automation

Spring 2019

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Exam has 1 pages and 5 questions.

1. (6 points) What is SDLC according to course book? (1p) What are the key differences between Unified Process and traditional SDLC.(1p) What are four phases of UP.(4p) Short answer is sufficient.
2. (6 points) What is object oriented modeling?(1p) What is UML?(1p) Name, describe purpose and draw a simple example of seven UML diagrams presented in the book.(4p) Answer shortly.
3. (6 points) What are functional and non-functional requirements?(2p) How are they described in UP?(2p) Give a brief example of each.(2p)
4. (6 points) Name and describe shortly six design discipline activities.
5. (6 points) What are design patterns?(3p) Give and explain briefly one example. Use formal description as shown in the book. (3p)