

Exam Date: Tuesday, 5/7/2019
Exam Time: 8:00 a.m. – 9:50 a.m.
Location: PM 103

This final exam is comprehensive, closed-book (closed device) and scheduled to be taken at the scheduled location, date and time stated above.

Please arrive in PM103 a few minutes early. The exam will start at 8:00 a.m. and end at 9:50 a.m., there is no extra time for the exam. Remember to bring two No. **2 pencils** and a **calculator** – no passing or sharing supplies during the exam please.

Know the following key areas/topics:

1. **Requirements Analysis** – identify objects, use cases and business rules.
2. **Object Analysis** – how an object relates to other objects in order to realize the functionality of a use case. Several exam questions will be drawn from the RFQ and Purchasing systems; therefore, know these two case studies well.
3. **Use Case Model** – know the structure, components and relationship of a use case model as we discussed in class. Rules for creating new a business/persistent object; keeping track of object states; and communicating with secondary actors.
4. **Use Case Specification** – understand the meaning pre-conditions and post-conditions. Be able to identify an alignment between portion of use case model with a use case specification.
5. **Project Planning and Control** – PERT chart (know how to develop one) and Cost/Benefits Analysis methods (know how to calculate and analyze Payback Period, ROI and NPV.) Know the advantages/disadvantages of each method. Remember the weighted accounting formula, fudge factor, activity, activity time, event, event time, slack time, critical path.

Question Formats: True/False and Multiple Choice (Choose ONE answer for each question.)

All grading issues related to the assignments must be rectified by the end of our class period on Thursday, 5/2/2019. The TAs do not hold office hours during the final exam week.

My office during the final exam week: Monday, May 6, 2019 from 9:00 a.m. – 11:30 a.m., PM467. ~ K. Rush