CSc 131 Final Exam Review Guide – Fall 2018
December 7th

Bring a large Blue Book (and NO notes)!

The exam will consist of subset of the questions taken from those listed below. Each of the questions requires an essay answer. The context for your answer is the following.

Assume you are working and your boss is aware that you are taking this course. He or she has only a relatively brief understanding of the subject matter of the course. He does have a number of questions about the course’s content. Assume the questions on the exam are ones he or she would ask after you have completed the course.

You will need to coherently explain your answers, and not merely give a list (or outline) of issues that you think covers the topic. In most cases, your answer should include some judgment on your part and not just a restatement of the author’s point of view (or mine). Include examples, as appropriate, in your answers. Each question on the exam will be weighted equally.

The Final will require answers to only two or three questions that will be selected from the ten listed below.

1. What is “domain driven design” and why should “domain” be the driver of the software design?

2. What is “ubiquitous language” and why is it structured around a domain model?

3. What are user stories and how do they relate to software requirements?

4. Explain the estimation methodology used in Planning Poker.

5. What are the distinguishing characteristics of self-organizing teams?

6. What is the Scrum development framework (include a diagram with your explanation).

7. As a team member, what does it mean to have an “agile mindset”?

8. What is the difference between Computer Science and Software Engineering?

9. “DevOps is a term for a group of concepts that, while not all new, have catalyzed into a movement and are rapidly spreading throughout the technical community.” How would you describe these group of concepts?

10. What is a software user interface and why is it important?

WRITE LEGIBLY: Meaning: Easily readable, capable of being understood
(Your grade will be effected if I cannot read and understand your handwriting)

BB