IS 6840 – FALL 2017
EXAM

Answer each question clearly and neatly.   Type (wordprocess) the answer to each question. Answers to individual essay questions may be no more than 2 pages *each*, double spaced with 1" margins.   All questions are equally weighted.

If I cannot read your answer or understand your grammar, or if you provide multiple answers, the answer will be wrong.   I want **considered, analytical and complete** answers to these questions.   Use complete sentences and paragraphs and justify any claims that you make.

You may have notes, books or other reference materials that you desire. However, you must do the exam *alone.* Students who work together on this exam, or in any other way misrepresent as their work that which is not entirely their work will receive a grade of zero (0) on the exam.   If you share your answer with another student, you too will receive a grade of zero (0) on this exam.

All exams are due to my office by 10 pm on Wednesday, November 29. **NO LATE EXAMS WILL BE ACCEPTED.**

1.   Write a fable that illustrates a principle of systems analysis. Provide an "interpretation" of the fable (aka, the moral of the story) to help a reader understand the point you are trying to make.

2.   Standish notes in the 2015 report that 59% of large projects are challenged and 42% of large projects fail using Agile methodologies, but only 55% of large projects are challenged and 23% failed using Waterfall Technologies. Given those statistics, what is the difference between using those techniques? Discuss how your team might improve success rates using either method.

3.   Discuss the relationship between use case diagrams, data flow diagrams and ERP's. Be sure to identify what each one is (what does it identify) and the role it has in systems analysis. When would you use each?

4.   Assume you are working on a Systems Analysis project for hospital automation, and that the worst has happened. A key team member has dropped out of the project, and has been assigned to another project in another part of the country. The remaining team members are having personality clashes. Key deliverables for the project are now due much earlier than expected. In addition, you have just determined that a key phase in the early life of the project will now take you much longer than you had originally expected. To make matters worse, your boss absolutely will not accept that the project cannot be completed by this new deadline. What will you do to account for these project changes and problems. If new resources are needed to meet the new deadline, outline the rationale that you will use to convince your boss that these additional resources are critical to the success of the project?