

# CptS 322 Software Engineering Principles I

Spring 2018

## Homework 2

(Due Friday/ February 2nd, 2018 on [Blackboard](#))

**1. (10 points)** Giving reasons for your answer based on the type of system being developed, suggest the most appropriate generic software process model that might be used as a basis for managing the development of the following systems:

- A system to control anti-lock braking in a car
- A virtual reality system to support software maintenance
- A university accounting system that replaces an existing system
- An interactive travel planning system that helps users plan journeys with the lowest environmental impact.

**2. (10 points)** Provide three examples of software projects that would be amenable to the waterfall model. Be specific.

**3. (10 points)** Provide three examples of software projects that would be amenable to the prototyping model. Be specific.

**4. (10 points)** Spiral model and incremental model are two software process models. Explain how these two models are different and related.