## Russ Johnson Outline of Lean Software Development January 24, 2013

- I. What is LSD?
- II. What are the seven principles?
  - A. What is waste?
    - i. examples of waste
      - a. useless features as defined by customer
    - ii. how to eliminate waste
  - B. what is empowerment?
    - i. employees make there own decisions
    - ii.
    - iii.
  - C. Short iterations in development cycle.
    - i. Benefits of short iterations.
      - a. changes are less costly.
      - b.
      - c.
- III. Examples of lean theory outside of software development.
  - A. Toyota car manufacturing.
  - В.
  - C.
- IV. Concluding remarks.

Guidelines: The term paper is on a topic related to the reading and lecture materials. See the "Term Paper Topics" section for a recommended list of topics. The deadlines are shown in the "Tentative Schedule" section. The body of your paper must be seven to ten pages of double-spaced material. Pay attention to factors such as

- mechanics (grammar, punctuation, format, and spelling)
- content and organization
- analysis of the topic by you
- paragraph structure and transition