**Assignment #1**

**Objectives**

* Test students’ understanding of LM2 – Information Security Essentials

**Instructions**

1. Create a new MS Word compatible file and name it as “Assignment\_ 1\_ Your D2L ID”, e.g., Assignment\_1\_ lzhao10.docx.
2. Copy the questions listed below to the new files and answer all questions.
3. Submit the solution file to D2L Assignment 1 Drop box by **due date in D2L calendar.**

**Grading Guidelines**

1. The solution file is named as instructed. -3 points.
2. Questions 1 to 4, 4 points each. Question 5 worth 6 points. Your answer should address the corresponding question thoroughly. Don’t copy and paste anything from the Web. One or two sentences answer usually isn’t a good answer.
3. Total points: 25 points.

**Questions to Be Answered**

1. Briefly describe the five pillars of information security
2. What’s the security triad?
3. Explain the difference between SKC and PKC.
4. What’s defense in depth in information security?
5. Describe how digital signature works. Explain how non-repudiation of the message is realized using digital signature.