Network Security  
Course Paper Guidelines

**Paper:** The deliverables as per the syllabus is a written report. Below the scenario for the paper, general paper guidelines and the requirements for the written report are covered.

**Scenario.** You have been chosen to lead a team that was tasked to improve the efficiency and effectiveness of a information system security function. The types of functions that you could choose for your paper are ones such as:

1. Information Backup/Recovery  
2. Disaster Recovery Plan  
3. Dial-up Security  
4. VPN Security  
5. etc.

Scenario Scope. The paper may cover an entire organization, only one department of the organization or one functional area. Make sure the scope of you paper is clearly stated in the Executive Summary

**Paper Guidelines:**

1. The paper must include a detailed discussion of the security problem.  
2. The problem must be placed into perspective with overall information system security.  
3. Your proposed solution to the problem, with a brief discussion of a few alternative solutions.  
4. Length of 10 –15 pages is required. The page count doesn’t include the pages in either the appendices or exhibits.  
5. Comply with the course paper style guide.

The paper must be based upon your company or a published case study. If the paper is based upon a published case study provide a copy of the study along with your paper.

**Report.** The paper report should consist of the following.

1. Title page  
2. Table of Contents
3. Executive Summary should contain: (less than 2/3 of a page – double spaced) and include the following:
   a. **Problem/Opportunity Statement:** A short description of the problem. One or two sentences should be enough.
   b. **Solution:** The description of the solution to fix the problem. A couple of sentences should be enough.
   c. **Rationale/Reasons:** Reasons why this solution will provide a cost-effective solution to the problem or the benefits that we be gained from pursuing the opportunity.

4. Description and scope of the business situation should include:
   a. **Company Background:** Information about where the company is located, its products and services, how long it has been in business, how many employees it has, etc....
   b. **Organization Chart:** Also include the role of your paper team and if they are employees of the company or outside contractors/consultants.
   c. **Problem Scope:** State the areas of the company that will be affected and what business processes will be impacted in the paper.

5. Security Problem Analysis should include at least the following:
   a. **Threat Analysis Of The Problem**
   b. **Risks Of The Problem**
   c. **Security Policy Aspects Of The Problem**
   d. **Security Mechanisms Related To The Problems**
   e. **Perspective on the problem**

6. Your Proposed Solution

7. Appendices

8. Exhibits

9. References