**MIS 333 Principles of Information Security**

**1st Semester, 2015-2016**

General Course Information

**Instructor: Mashael AlQasabi**

**Office: S 140**

**Office Hours: Sun, Tue, Thu 10:00-11:00;**

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Credit Hours: 3

**Course Description**

Topics that will be discussed include protection, access control, distributed access control, applied cryptography in IS, network security, and case studies from real-world systems. The course may also cover cryptographic protocols, privacy and anonymity, analysis of business information systems to detect problems and weaknesses.

**Course Objectives**

This course provides the foundation for understanding the key issues associated with protecting of information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. The purpose of the course is to provide the student with an overview of the field of information security and assurance. Students will be exposed to the spectrum of security activities, methods, methodologies, and procedures. Coverage will include inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses, and an overview of the information security planning and staffing functions.

**Course Outline**

1. Introduction to Information Security

2. Need for Security

3. Legal, Ethical, and Professional Issues in Information Security

4. Risk Management

5. Planning for Security

6. Security Technology: Firewalls, VPNs, and Wireless

7. Cryptography

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| **Weeks** | **Date** | **Topics** | **Chapter** | **Exercise** |
| 1-2 | 30/8/2015 | Introduction to Information Security | 1 |  |
| 3-4 | 13/9/2015 | Need for Security | 2 |  |
| 5-6 | 11/10/2015 | Legal, Ethical, and Professional Issues in Information Security | 3 |  |
| 6 | **20/10/2015** | **First Exam** |  |  |
| 7-8 | 25/10/2015 | Risk Management | 4 |  |
| 9-10 | 8/11/2015 | Planning for Security | 5 |  |
| 11 | **17/11/2015** | **Second Exam** |  |  |
| 11-12 | 22/11/2015 | Security Technology: Firewalls, VPNs, and Wireless | 6 |  |
| 13-14 | 6/12/2015 | Cryptography | 8 |  |
| 15 | **21/12/2015** | **Course Project Presentations & Discussion** |  |  |
|  |  | **Final exam** |  |  |

**Textbook:**

Michael E. Whitman and Herbert J. Mattord, Principles of Information Security, 4th Edition. Course Technology, 2012, ISBN-13 978-1-111-13821-9.

**Grading and Evaluation Criteria**

40% - first and second examination.

10% - project.

10% - quizzes and assignments.

40% - final exam.

**Grading System**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scale** | **Grade** | **Scale** | **Grade** | **Scale** | **Grade** |
| 95-100 | A+ | 80-84 | B | 65-69 | D+ |
| 90-94 | A | 75-79 | C+ | 60-64 | D |
| 85-89 | B+ | 70-74 | C | < =59 | F |

**Regulations**

1. There will be **absolutely no makeup** for missing in-class assignments and quizzes.
2. Makeup exam: will **not** be given **except** with prior notification and under extenuating and unavoidable circumstances.
3. FINAL EXAM:  A comprehensive exam will be given during the KSU University exam schedule.  The format of the final exam is relatively similar to the format for the tests.
4. Attendance is compulsory. Any student failing to attend 75% of the classes will not be allowed to take the Final Examination.
5. Students who are late more than 5min. or leave class earlier will be mark “absent”.
6. If you missed classes, it is your responsibility to obtain notes from a classmate.
7. If the instructor determines that a student has cheated on an assignment, the grade of “F” may be assigned for the entire course.  **Plagiarism** is a violation of the honor code.  All papers submitted in this course are subject to evaluation using plagiarism detection software.
8. Any student who feels that she may need accommodations based on the impact of a physical, psychological, medical, or learning disability should contact Students' Affair Office.