Course: CSCI4130  Course ID: 011916  Eff Date: 2022-07-01  Crse Status: Active  Apprv. Status: Approved

Introduction to Cyber Security

Cyber Security is an important topic in modern information and communication technology. This course introduces students to major areas of Cyber Security, including introductions to cryptography, network security, computer security, and web security.

Advisory: Basic knowledge on Computer Networks are suggested.

Grade Descriptor:

A

EXCELLENT - exceptionally good performance far exceeding expectation in all or most of the course learning outcomes; demonstration of superior understanding of the subject matter, the ability to analyze problems and apply extensive knowledge, and skillful use of concepts and materials to derive proper solutions.

B

SATISFACTORY - adequate performance in all course learning outcomes, demonstration of adequate understanding of the subject matter, and the ability to solve straightforward problems.

C

REASONABLE - adequate performance in the essential course learning outcomes, reasonable performance, and the ability to solve simple problems.

D
MARGINAL – performance barely meet the expectation in the essential course learning outcomes, demonstration of partial understanding of the subject matter, and the ability to solve simple problems.

有关等級說明的資料，請參閱英文版本。

F

FAILURE – performance not meeting expectation in the essential course learning outcomes, demonstration of serious deficiencies, and the need to retake the course.

有關等級說明的資料，請參閱英文版本。

Equivalent Offering:
Units: 3 (Min) / 3 (Max) / 3 (Acad Progress)
Grading Basis: Graded
Repeat for Credit: N
Multiple Enroll: N

Topics:

COURSE OUTCOMES

Learning Outcomes:

Upon successful completion of the course, the students will have acquired the ability to:

1. obtain an introductory level of understanding of major areas of cyber security, including cryptography, network security, system security, and web security;

2. gain experiences in wireless network security and web security; and

3. able to apply the learning outcomes of this course towards a potential career in the governance of system, network, and websites.

This course also paves the foundation to deeper studies in cyber security.

Course Syllabus:

Cyber Security is an important topic in modern information and communication technology. This course introduces students to major areas of Cyber
Security, including introductions to cryptography, network security, computer security, and web security. The course syllabus may be updated from year to year.

**Assessment Type:**
- Essay test or exam: 64%
- Others: 36%

**Feedback for Evaluation:**
Students are encouraged to give comments and make suggestions using the following channels:

1. There are two course evaluations - one before the mid-term, and one at the end of the course. This is a formal channel for students to rate the teacher, the course, and the course tutors. Students can give specific comments or suggestions in addition to the numeric ratings.

2. Students can provide feedback using informal channels, such as email, or simply by discussing with the tutors or the instructor directly.

**Required Readings:**

**Recommended Readings:**

**OFferings**
1. CSCI4130 Acad Organization=CSD; Acad Career=UG

**Components**
- LEC: Size=80; Final Exam=Y; Contact=3
- TUT: Size=80; Final Exam=N; Contact=1

**Enrollment Requirements**
1. CSCI4130

**Enrollment Requirement Group:**
Not for students who have taken ESTR4306 or IEMS5710 or IERG4130

**New Enrollment Requirement(s):**
- Exclusion = no change

**CAF**
eLearning hrs for blended cls: 0