

Western Kentucky University
School of Engineering and Applied Sciences
CS157 - Information Security I
Fall 2019 – Web section

Instructor : Dr. Rong Yang
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Phone : (270)745-2940
Office hours: 10:10am–12:15pm MWF, and by appointment

Credit Hours: 3.0

Prerequisites: None

Course Description: An introduction to the concepts, issues, and essential skills of computer security. Topics include computer-based systems, Internet communications, networking, and security. Laboratory sessions will be held as needed. May not be counted toward a computer science major or minor.

Course Web Site: WKU Blackboard (<http://blackboard.wku.edu>)

This web site will contain course information including class announcements, the course syllabus, office hours, supplementary materials, assignment files, course calendar, and grade book.

Text:

Computer Security Fundamentals 2/E
William (Chuck) Easttom, II
Pearson Education
Print ISBN: 9780789748904
eText ISBN: 9780132828321

References:

Using Information Technology: A Practical Introduction to Computers and Communications
Brian K. Williams, Stacey Sawyer
McGraw-Hill
ISBN-13 9780072260717

Or:

Technology In Action by Evans, Martin & Poatsy, Prentice Hall
ISBN-13: 9780135046241

Course Objectives : Students who successfully complete this course are expected to be able to:

- Outline the chronology of computing, communications, networking, and digital crime.
- Describe the components of a computer information system, the categories, capabilities, and limitations of modern communication systems, and the types and components of computer networks.
- Use standard network tools to investigate and understand the working of the internet.
- Understand the characteristics and states of information and identify critical information.
- Identify the common types of security threats and do elementary testing of a system for vulnerabilities.
- Be more aware of the impact of computer security throughout our society.
- Understand the legal and ethical issues in computing.

Course Outline:

- I. Survey of computer-based information systems and overview of communications and networks which are a necessary foundation for the study of information security.
- II. Introduction to computer information security
 - Digital crime
 - The nature and types of information
 - Common security threats
 - Security countermeasures
 - Legal and ethical issues

Internet Access and E-Mail: All students must obtain access to the Internet and an e-mail account (a **Western email account is required. For more information about your western email account, please visit <http://www.wku.edu/accounts>**). If you have any questions about the course or need assistance, please contact your instructor by e-mail at any time.

Attendance Policy: This is a web-based class and students are not required to physically be in the classroom at each class meeting. However, proctored exams are expected to be done through the WKU Testing Center (<http://www.wku.edu/testing/>) on the scheduled days. Detailed course information will be available on the course website.

Grading Policy: There will be several quizzes and proctored exams and assignments. Your final grade will be determined by using the usual 90-80-70-60 scale. A = 90 – 100%, B = 80 – 89%, C = 70 – 79%, etc.

Assignments	40%
Exams & Quizzes	60%

Make up exam policy: All assignments including exams and quizzes have associated due dates. You must complete each assignment by its due date. No make up exams and quizzes will be given unless you have a documented medical reason or emergency and prior arrangements are made with the instructor. Exams and quizzes will be announced through the course website.

Cheating policy: All work handed in for credit by a student is to be the work of that student alone unless it is specified as a group assignment. It is your responsibility to be honest and to protect your own work from being copied by others. Any deviation from this standard may result in an **F** in the course (for EVERYONE involved) in accordance with established University policy.

Proctoring Fees: *The WKU DL Testing Centers do not charge a fee; however, the WKU remote Proctoring Network includes both proctor locations who charge for proctoring services as well as those who do not charge. Students are responsible for payment of any proctoring fees if they choose to use a proctor who charges a fee for this service. Students are also responsible for any additional fees that might be associated with the use of a particular proctoring site, such as parking fees.*

Title IX Misconduct/Assault Statement

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's Title IX Sexual Misconduct/Assault Policy (#0.2070) at <https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and

Discrimination and Harassment Policy (#0.2040) at https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf.

Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.

Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are “Responsible Employees” of the University and MUST report what you share to WKU’s Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU’s Counseling and Testing Center at 270-745-3159.

ADA Accommodation Statement

In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, 1074. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at sarc.connect@wku.edu . Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.