Contact Information:

Professor: Dr. Shiva Houshmand  
Office: EGR A407D  
Office hours: Tue & Thurs 3:15 PM - 4:45 PM or by appointments.  
Email: shiva [at] cs.siu.edu

Class Schedule:

| Lectures | Tue & Thurs | 2 pm – 3:15 pm | EGRA 420 |

Course Description:

This course is designed to introduce basic concepts of computer security. Security is a comprehensive area with extremely diverse topics. In this course the goal is to expose students to various topics including web security, authentication and passwords, privacy issues, mobile security, usable security, cryptography, malwares, and etc. by exploring state-of-the-art and ongoing research results from well-known conferences and journals. Students will be assigned with reading materials about different topics in security and asked to present them in class.

Suggested Text (not required):


Course Material:

Online course webpage is available through SIU online (D2L) (http://online.siu.edu). All Lectures, Reading materials, Homework, and Announcements will be accessible through SIU online system. Please make sure that you all have access to the course material. It is your responsibility to check the announcements frequently to follow what is new about the course. Make sure to check all the due dates from the Calendar tab on SIUonline.

Grading and Students’ Responsibilities:

- Paper presentation and Homework (35%). Each student must select two recent papers to read and present to the class.
• Term project (40%): A semester-long research project performed in consultation with the instructor. I will meet with each team throughout the semester. At the end of the semester, each team will give a presentation and deliver a write-up of their work. (See Details on SIUonline).
• Class participation (10%). It is important for students to attend all lectures since discussions and clarifications will not be posted online.
• Final Exam (15%)

More on Paper Presentation:
• The papers must be only selected from the list of conferences provided on SIUonline.
• The selected papers must be published recently (after 2012). The first paper must be presented sometime between Sep 6 and Oct 13, and the second paper must be presented sometime between Oct 18 and Nov 22.
• Paper Selection Due Dates: First Paper Sep 1 and Second Paper Oct 7. Choose your papers as soon as possible. If two or more students select the same paper, the person who has selected earlier will present the paper.
• Each presentation should be organized as follows: (1) Introduction, (2) Problem statement or Objectives or Motivation, (3) Contribution of the Paper, (4) Preliminaries or Background, (5) Body of the Paper (The proposed solution), and (6) Conclusion and Future Directions. Make sure to spend enough time for each paper to fully understand it and to prepare your slides. Each week, you need to evaluate presenters by using presentation evaluation form. You can find the presentation evaluation form on SIUonline.

General Policies:
• Make-ups and incompletes will be given only in exceptional circumstances.
• Cheating (including misrepresenting work from others as your own) is a serious offense! All students should read the Departmental Policies on Academic Dishonesty, which is applicable in all your academic work including in this course.

Late Policy: Any work must be submitted at the beginning of class by the due time unless you have prior approval of the instructor. If you are unable to attend the class, submit your work by email before the class. Late submissions are not accepted unless you have talked to me prior to the due date.
IMPORTANT DATES *
Semester Class Begins: ..................................................08/22/2016
Last day to add full-term course (without Dean’s signature): .....08/28/2016
Last day to withdraw from the University with a full refund: .....09/02/2016
Last day to drop a full-term course for a credit/refund: ...........09/04/2016
Deadline to apply to graduate at the end of this term: ..........09/16/2016
Last day to drop a full-term course (W grade, no refund): ......10/30/2016
Final examinations: ......................................................12/12–12/16/2016
Commencement: .........................................................12/17/2016

Note: For more detailed information on the above deadlines, please visit http://registrar.siu.edu/calendars. For add/drop dates that apply to shorter-than-full-term courses, please look at the Schedule of Classes search results at http://registrar.siu.edu/schedclass/index.php

FALL SEMESTER HOLIDAYS
Labor Day Holiday 09/05/2016
Fall Break 10/08–10/11/2016
Veterans Day Holiday 11/11/2016

WITHDRAWAL POLICY ~ Undergraduate only
Students who officially register for a session must officially withdraw from that registration in a timely manner to avoid being charged as well as receiving a failing grade for those classes. An official withdrawal must be initiated by the student, or on behalf of the student through the academic unit, and be processed by the Registrar’s office. For the proper procedures to follow when dropping courses and when withdrawing from SIU visit: http://registrar.siu.edu/students/withdrawal.php

INCOMPLETE POLICY~ Undergraduate only
An INC grade may be assigned when, for reasons beyond their control, students engaged in passing work are unable to complete all class assignments for the course. An INC must be changed to a completed grade within one full semester (undergraduates), and one full year (graduate students), from the close of the term in which the course was taken or graduation, whichever occurs first. Should the student fail to complete the remaining course requirements within the time period designated, the incomplete will be converted to a grade of F and such grade will be computed in the student's grade point average. For more information visit: http://registrar.siu.edu/grades/incomplete.php

REPEAT POLICY
An undergraduate student may, for the purpose of raising a grade, enroll in a course for credit more than once. For students receiving a letter grade of A, B, C, D, or F, the course repetition must occur at Southern Illinois University Carbondale. Effective for courses taken Summer 2013 or later, only the most recent (last) grade will be calculated in the overall GPA and count toward hours earned. This policy will be applied to all transferrable credit in that only the last grade will be used to calculate grade point average. Only those courses taken at the same institution are considered repeats under this policy. See full policy at http://registrar.siu.edu/students/repeatclasses.php

GRADUATE POLICIES
Graduate policies often vary from Undergraduate policies. To view the applicable policies for graduate students, please refer to the graduate catalog at http://gradschool.siu.edu/about-us/grad-catalog/

DISABILITY POLICY
Disability Support Services provides the required academic and programmatic support services to students with permanent and temporary disabilities. DSS provides centralized coordination and referral services. To utilize DSS services, students must contact DSS to open cases. The process involves interviews, reviews of student-supplied documentation, and completion of Disability Accommodation Agreements. http://disabilityservices.siu.edu/

PLAGIARISM
Student Conduct Code http://srr.siu.edu/student-conduct-code/

SAFETY AWARENESS FACTS AND EDUCATION
Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://safe.siu.edu

SALUKI CARES
The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For Information on Saluki Cares: call(618) 453-1492, email siukicares@siu.edu, or http://salukicares.siu.edu/

SIU’S EARLY WARNING INTERVENTION PROGRAM (EWIP)
Students enrolled in courses participating in SIU’s Early Warning Intervention Program might be contacted by University staff during a semester. More information can be found at the Core Curriculum’s Overview webpage: http://corecurriculum.siu.edu/overview/

EMERGENCY PROCEDURES
We ask that you become familiar with Emergency Preparedness @ SIU. Emergency response information is available on posters in buildings on campus, on the Emergency Preparedness @ SIU website, and through text and email alerts. To register for alerts visit: http://emergency.siu.edu/

STUDENT MULTICULTURAL RESOURCE CENTER
The Student Multicultural Resource Center serves as a catalyst for inclusion, diversity and innovation. As the Center continues its work, we are here to ensure that you think, grow and succeed. We encourage you to stop by the Center, located in Grinnell Commons, to see the resources available and discover ways you can get involved on the campus. Visit us at http://inclusiveexcellence.siu.edu/

LEARNING AND SUPPORT SERVICES
Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website:
Tutoring: http://tutoring.siu.edu/
Math Labs http://math.siu.edu/courses/course-help.php

WRITING CENTER
The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit: http://write.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY
Our office's main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigating of discrimination cases. For more information visit: http://diversity.siu.edu/

MILITARY COMMUNITY
There are complexities of being a member of the military community and also a student. Drill schedules, calls to active duty, complications with GI Bill disbursement, and other unforeseen military and veteran related developments can complicate academic life. If you are a member of the military community and in need of accommodations please visit Veterans Services at http://veterans.siu.edu/

Additional Resources:
ADVISEMENT: http://advisement.siu.edu/
SIU ONLINE: https://online.siu.edu/

SALUKI SOLUTION FINDER: http://solutionfinder.siu.edu/

MORRIS LIBRARY HOURS: http://libguides.lib.siu.edu/hours

Fall 2016 R. O'Rourke