COMPUTER SECURITY

Course Syllabus CSCE 5323 Spring 2020

Text: “Introduction to Computer Security”, by Matt Bishop, Publisher: Pearson Education

Instructor: Brajendra Panda
Office: JBHT Building, Room: 524
Office Hours: Tuesday, Thursday: 10:45 am – 11:45 pm, and by appointment
Office Phone: 575-2067
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Course Objective: The goal of this course is to study a broad selection of contemporary issues in computer security. This course is designed to provide a good theoretical knowledge of security in digital world and how security issues relate to various other fields of computer science. Topics I plan to cover include authentication, access control, policies, basic cryptographic techniques, etc.

Pre-Requisites: Knowledge of Operating Systems

Attendance: You are expected to attend the entire period of each class and are responsible for the materials discussed and any information provided in class.

Research: You are required to investigate a current research area in computer security and present your findings in class by making a formal presentation and writing a short paper. These will be graded out of 60 points. The presentations will be scheduled toward the end of the semester. More information on the requirements will be discussed in class later.

Tests: There will be three 80-points worth tests including the final test. The tests will be conducted on the following dates and times.

<table>
<thead>
<tr>
<th>Test</th>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>First test</td>
<td>Tuesday, February 11, 2020</td>
<td>9:30 – 10:30 am</td>
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<tr>
<td>Second test</td>
<td>Thursday, March 12, 2020</td>
<td>9:30 – 10:30 am</td>
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<tr>
<td>Final test</td>
<td>Thursday, May 7, 2020</td>
<td>8:30 – 9:30 am</td>
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Note: Use of any communication devices will not be allowed during any of the tests. The instructor reserves the right to prohibit any object that, in his opinion, may interfere in conducting a fair test.

Make-up Policy: If a student fails to take any of the first two scheduled tests, a make-up test will be allowed only if the student produces documents offering valid and verifiable reason(s) for missing the test. The instructor must be notified immediately after the missed test and permission for the make-up test must be obtained through email. The make-up test will be conducted on Thursday, April 30, 2020 from 4:00-5:00 p.m. Only one make-up test per student will be allowed and the test will be on any of the materials covered during the entire semester. The format of the test may not be the same as that of the missed test.

Final Grade: Final grade will be based on the total number of points accumulated on tests and research work. Absolutely no extra credits will be given. The ranges of scores to be
used in calculating final grades are:

\[
100\% \geq A \geq 90\% \quad 90\% > B \geq 80\% \quad 80\% > C \geq 70\%
\]
\[
70\% > D \geq 60\% \quad F: \text{less than } 60\%
\]

**Academic Dishonesty:** As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail.

Each University of Arkansas student is required to be familiar with and abide by the University’s ‘Academic Integrity Policy’ which may be found at honesty.uark.edu/policy. Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.

**Emergency Preparedness:** Many types of emergencies can occur on campus; instructions for specific emergencies such as severe weather, active shooter, or fire can be found at emergency.uark.edu. The University of Arkansas has a campus-wide alert system for any hazardous conditions that may arise on campus. To learn more and to sign up: http://safety.uark.edu/emergency-preparedness/emergency-notification-system/

**Inclement Weather:** If the university is officially closed, class will not be held. When the university is open, you are expected to make a reasonable effort to attend class, but not if you do not feel that you can get to campus safely. Any changes to due dates or the class schedule will be communicated via email to your uark email address.

**Violence / Active Shooter (CADD):**
- **CALL-** 9-1-1
- **AVOID-** If possible, self-evacuate to a safe area outside the building. Follow directions of police officers.
- **DENY-** Barricade the door with desk, chairs, bookcases or any items. Move to a place inside the room where you are not visible. Turn off the lights and remain quiet. Remain there until told by police it’s safe.
- **DEFEND-** Use chairs, desks, cell phones or whatever is immediately available to distract and/or defend yourself and others from attack.

**Academic Support:** University of Arkansas Academic Policy Series 1520.10 requires that students with disabilities are provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact me privately at the beginning of the semester to make arrangements for necessary classroom adjustments. Please note, you must first verify your eligibility for these through the Center for Educational Access (contact 479–575–3104 or visit http://cea.uark.edu for more information on registration procedures).