

UNIVERSITY OF GUELPH  
School of Computer Science  
COURSE OUTLINE

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| <b>Course Code:</b><br>CIS*4110  | <b>Course Title:</b><br>Computer Security  | <b>Date of Offering:</b><br>Winter 2017 |
| <b>Instructor*:</b><br>Dr. Rozita Dara   | <b>Office:</b><br>TBA<br><b>Email:</b><br><a href="mailto:drozita@uoguelph.ca">drozita@uoguelph.ca</a> |   |
| <b>Teaching Assistant:</b><br>Kasiemobi Maduabunachukwu  | <b>Email:</b><br><a href="mailto:kmaduabu@uoguelph.ca">kmaduabu@uoguelph.ca</a>                        |   |
| <b>Calendar Description:</b><br>This course is a practical survey of the principles and practice of information security. Topics include but are not limited to encryption (symmetric and public key cryptography, key exchange, authentication), security issues and threats (eavesdropping, impersonation, denial of service, viruses, worms, access violations, PKI), system and network security, intrusion detection, access control (DAC, MAC, RBAC), database security, the common criteria, and threat risk management.<br><br>Prerequisite(s): CIS*3110 |  |   |
| <b>Class Schedule:</b> M/W/F, 3:30pm-4:20pm<br><b>Location:</b> MINS, Room 103<br><br><b>Lab Schedule:</b> M, 12:30-1:20pm<br><b>Location:</b> GRHM, Room 2310   |  |   |
| <b>Textbook:</b><br>William Stallings and Lawrie Brown, Computer Security: Principles and Practice (3rd Edition), 2014.  |  |   |
| <b>Final Exam:</b> None  |  |   |
| <b>Method of Evaluation:</b>   |  |   |
| <b>Individual activity:</b><br>Assignments (1 & 2)   |  | = 20%                                   |
| Participation  |  | = 8%                                    |
| Quizzes  |  | = 20%                                   |
| <b>Team activities:</b><br>Seminar 1   |  | = 10%                                   |
| Project<br>Seminar 2   |  | = 12%                                   |
| Final report and/or Demo   |  | = 30%                                   |
| <b>Website:</b> Check the CourseLink System for course information and resources:<br><a href="https://courselink.uoguelph.ca/">(https://courselink.uoguelph.ca/)</a> using your University of Guelph   |  |   |

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| Central Login Account username and password.) |
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**All assignments are due on the deadline and at 11:30pm.** In the absence of Academic Consideration (<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>), late assignments receive a grade of zero (i.e. hand it what you've got when its due). If written documentation of extenuating circumstances is provided, then marking criteria or relative weighting may be adjusted.

## Important Dates

- **Last day of class:** Friday April 7
- **In-class quizzes** are scheduled on Fridays of the following weeks:
  - January 27, February 3, February 10, March 3, 2017
- **Seminar 1** will be scheduled between February 27 to March 17, 2017
- **Seminar 2** will be scheduled between March 20 to April 7, 2017
- **Assignment 1** is due on January 29, 2017 at 11:30pm.
- **Assignment 2** is due on March 5, 2017 at 11:30pm.
- **Final report** is due on April 10, 2017.

## Standard Policy Statements

**E-mail Communication** As per university regulations, all students are required to check their <mail.uoguelph.ca.> e-mail account regularly: e-mail is the official route of communication between the University and its students.

**When You Cannot Meet a Course Requirement** When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. See the undergraduate calendar for information on regulations and procedures for Academic Consideration: <http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

**Drop Date** The last date to drop one-semester courses, without academic penalty, is the 40th day of classes. For regulations and procedures for Dropping Courses, see the Undergraduate Calendar: <http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

**Copies of out-of-class assignments** Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

**Accessibility** The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact the Students Accessibility Service as soon as possible.

For more information, contact SAS at 519-824-4120 ext. 56208 or email [csd@uoguelph.ca](mailto:csd@uoguelph.ca) or see the website: <http://www.uoguelph.ca/csd/>

**Academic Misconduct** The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

The Academic Misconduct Policy is detailed in the Undergraduate Calendar:  
<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

**Recording of Materials** Presentations which are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, a classmate or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

**Resources** The Academic Calendars are the source of information about the University of Guelph's procedures, policies and regulations which apply to undergraduate, graduate and diploma programs:  
<http://www.uoguelph.ca/registrar/calendars/index.cfm?index>

**Other Policies**

- For religious matters, please refer to: <https://www.uoguelph.ca/hreo/>
- The students are encouraged to participate in the faculty and course evaluation provided by the department.