COMP1300
Introduction to Cyber Security
Session 1, Weekday attendance, North Ryde 2020

Department of Computing

Coronavirus (COVID-19) Update
Due to the Coronavirus (COVID-19) pandemic, any references to assessment tasks and on-campus delivery may no longer be up-to-date on this page.
Students should consult iLearn for revised unit information.
Find out more about the Coronavirus (COVID-19) and potential impacts staff and students

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Disclaimer
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General Information

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Credit points
10

Prerequisites

Corequisites

Co-badged status

Unit description
This unit tackles cyber security as a multidisciplinary issue. It introduces information security and important technology concepts as well as cyber hygiene principles to remain safe in the digital world. It discusses cybercriminality (perpetrators and activities on the dark web) and its impact on society and prompts to critically think about the relationship between cyber security and privacy, from a legal standpoint. Finally, this unit provides insights into the cybersecurity risks faced by business and the role that risk management plays in addressing those risks in the context of corporate governance.

Important Academic Dates
Information about important academic dates including deadlines for withdrawing from units are available at https://students.mq.edu.au/important-dates

Learning Outcomes
On successful completion of this unit, you will be able to:
ULO1: Demonstrate an understanding of technical concepts related to information security, computing, networking, and emerging technologies.

ULO3: Report on cyber criminality (in terms of activities, perpetrators and their motives) as well as its impact on society.

ULO4: Critically evaluate the relation between cyber security and privacy in the context of a legal and regulatory framework.

ULO2: Apply cyber hygiene principles to achieve personal security in the digital world.

ULO5: Identify cybersecurity risks faced by business and relate the management of those risks to the enterprise governance.

Assessment Tasks

Coronavirus (COVID-19) Update
Assessment details are no longer provided here as a result of changes due to the Coronavirus (COVID-19) pandemic.

Students should consult iLearn for revised unit information.

Find out more about the Coronavirus (COVID-19) and potential impacts staff and students.

Delivery and Resources

Coronavirus (COVID-19) Update
Any references to on-campus delivery below may no longer be relevant due to COVID-19.

Please check here for updated delivery information: https://ask.mq.edu.au/account/pub/display/unit_status

Teaching and Learning Strategy

COMP1300 is taught via lectures, tutorials (in practical labs). The feedback that you receive plays also a crucial role in your learning.

Lectures are used to introduce new material, give examples of the advances in Cyber Security and technologies and put them in a wider context. The unit is an introduction which in turn will be explored further in other units at Macquarie University.

Tutorials are small group classes which give you the opportunity to interact with your peers and with a tutor who has a sound knowledge of the subject. This also gives you a chance to practice your soft skills. **NB. For this semester for COMP1300, tutorials start in week 2 and the Lectures start in week 1.**

You have many opportunities to seek for and to receive feedback. During lectures, you are encouraged to ask the lecturer questions to clarify anything you might not be sure of.
Each week you should:

- Attend lectures, take notes, ask questions
- Attend your tutorials and seek feedback from your tutor on your work
- Read assigned reading material, add to your notes and prepare questions for your lecturer or tutor
- Start working on any assessments immediately after they have been released.

Lecture notes are made available each week but these notes are intended as an outline of the lecture only and are not a substitute for your own notes or reading additional material.

**Classes**

Each week you should attend two hours of lectures, and a one hour tutorial class.

Please note that you are required to submit a certain number of assessments. Failure to do so may result in you failing the unit.

**Textbook.**

Being a fast paced ever evolving unit, it was deemed that a textbook would not validate the complexity of Cyber Security. In turn we have used resources from 3 Faculties to give you as much exposure to Cyber Security and the real world.

**Technology used and required**

**Echo**

Digital recordings of lectures are available.

COMP1300 makes use of the following software in the lab:

- Microsoft Windows 10
- Microsoft Office 2016
- Internet Explorer or Mozilla Firefox or Chrome

**Website**

The web page for this unit can be found at: [http://ilearn.mq.edu.au](http://ilearn.mq.edu.au).

**Student Support Services**

Macquarie University provides a range of Academic Student Support Services. Details of these services can accessed at [http://www.student.mq.edu.au](http://www.student.mq.edu.au).

**Assumed knowledge**

Basic computer use skills.
Unit Schedule

Coronavirus (COVID-19) Update

The unit schedule/topics and any references to on-campus delivery below may no longer be relevant due to COVID-19. Please consult iLearn for latest details, and check here for updated delivery information: [https://ask.mq.edu.au/account/pub/display/unit_status](https://ask.mq.edu.au/account/pub/display/unit_status)

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<tr>
<th>Week</th>
<th>Lecture Topics/Events</th>
<th>Assessments</th>
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<tbody>
<tr>
<td>1</td>
<td>When... not if… Intro to Cyber Security unit. (MM)</td>
<td>N/A Tutorials start in week 2 Lectures start in week 1</td>
</tr>
<tr>
<td>2</td>
<td>Cyber Hygiene – How clean are you? (MM)</td>
<td>Practice in_class assessment – Data Breach Poster</td>
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<td>3</td>
<td>The Human Factor (MM)</td>
<td>In class assessment</td>
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<tr>
<td>4</td>
<td>Basics of Protection (EM)</td>
<td>In class assessment</td>
</tr>
<tr>
<td>5</td>
<td>Computing Basics for Cyber Security (EM)</td>
<td>In class assessment</td>
</tr>
<tr>
<td>6</td>
<td>Societal Security (YB)</td>
<td>Mid Semester in_class Quiz</td>
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<tr>
<td>7</td>
<td>Impact on Business and Cyber Governance – Who’s loses their job? (YB)</td>
<td>In class assessment Individual Report Due</td>
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<tr>
<td>8</td>
<td>Cybercriminal’s - Who is really running the show (SMC)</td>
<td>In class assessment</td>
</tr>
<tr>
<td>9</td>
<td>Cybercrime – Are all crimes the same? (SMC)</td>
<td>In class assessment</td>
</tr>
<tr>
<td>10</td>
<td>Effective Cyber Security incident response (SMC)</td>
<td>In class assessment</td>
</tr>
<tr>
<td>11</td>
<td>Industry Experts (MM)</td>
<td>In class assessment</td>
</tr>
<tr>
<td>12</td>
<td>The Future – How is Cyber Security going to impact us (MM)</td>
<td>In class assessment</td>
</tr>
<tr>
<td>13</td>
<td>Discussion about the Final Exam (MM)</td>
<td>No tutorial in week 13</td>
</tr>
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Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central](https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). Students should be aware of the following policies in particular with regard to Learning and Teaching:
Students seeking more policy resources can visit the Student Policy Gateway (https://students.mq.edu.au/support/study/student-policy-gateway). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

**Student Code of Conduct**

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/study/getting-started/student-conduct

**Results**

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

**Student Support**

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

**Learning Skills**

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to improve your marks and take control of your study.

- Workshops
- StudyWise
- Academic Integrity Module for Students
- Ask a Learning Adviser

(Note: The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)
Student Enquiry Service
For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

Equity Support
Students with a disability are encouraged to contact the Disability Service who can provide appropriate help with any issues that arise during their studies.

IT Help
For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University’s IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.

Changes since First Published

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<th>Date</th>
<th>Description</th>
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<td>20/02/2020</td>
<td>Swapped week 12 and 11 as the industry experts are available in week 11 and not week 12</td>
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<tr>
<td>13/02/2020</td>
<td>Small typos in the weekly Unit Schedule fixed</td>
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<tr>
<td>12/02/2020</td>
<td>As discussed we needed to change tutorials to start in week 2 as we have had some enrolment issues with the unit</td>
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