PICT2001
Cybercrime
Session 1, Fully online/virtual 2021

Department of Security Studies and Criminology

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Notice
As part of Phase 3 of our return to campus plan, most units will now run tutorials, seminars and other small group activities on campus, and most will keep an online version available to those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face activities for your unit, please go to timetable viewer. To check detailed information on unit assessments visit your unit’s iLearn space or consult your unit convenor.
General Information

Unit convenor and teaching staff
Ed Moore
ed.moore@mq.edu.au

Credit points
10

Prerequisites
50cp at 1000 level or above

Corequisites

Co-badged status

Unit description
Computer systems and networks, and the applications that they support, are essential to information flows, economic transactions and critical infrastructure in the twenty-first century. While early computer hackers were more interested in exploration, modern cybercrime is increasingly driven by activist or malicious sentiment (hacktivism), espionage and/or the desire for profit. This unit will present an overview of cyber security in practice with reference to both public and private sector organisations. The unit will look at the motives and perpetrators of cybercrime. It will explore how individuals and organisations face specific threats from their use of technology and identifies challenges in maintaining cyber and information security. It further examines the protective security measures required to protect physical and digital access to information through people, infrastructure and computer systems.

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: Describe and discuss criminological theories and how they relate to cybercrime.
ULO2: Engage in informed, scholarly debate about cybercrime and their potential impact on globalised society with fellow students and staff.
ULO3: Explain the importance of cyberspace in changing the nature of offending, policing and victimisation.
ULO4: Research and synthesise relevant policy issues.
ULO5: Demonstrate the ability to communicate ideas in a clear and effective manner.

Assessment Tasks

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tutorial Participation</td>
<td>10%</td>
<td>No</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Weekly Quizzes</td>
<td>20%</td>
<td>No</td>
<td>Weeks 2-12</td>
</tr>
<tr>
<td>Powerpoint Presentation</td>
<td>20%</td>
<td>No</td>
<td>Week 6</td>
</tr>
<tr>
<td>Research Essay</td>
<td>50%</td>
<td>No</td>
<td>Week 12</td>
</tr>
</tbody>
</table>

Tutorial Participation
Assessment Type 1: Participatory task
Indicative Time on Task 2: 13 hours
Due: Ongoing
Weighting: 10%

Student engagement within tutorial exercises (or weekly forums for external students).

On successful completion you will be able to:
- Describe and discuss criminological theories and how they relate to cybercrime.
- Engage in informed, scholarly debate about cybercrime and their potential impact on globalised society with fellow students and staff.
- Explain the importance of cyberspace in changing the nature of offending, policing and victimisation.
- Demonstrate the ability to communicate ideas in a clear and effective manner.

Weekly Quizzes
Assessment Type 1: Quiz/Test
Indicative Time on Task 2: 20 hours
Due: Weeks 2-12
Weighting: 20%

Online weekly quizzes based on the content from the previous week to be completed by all students.

On successful completion you will be able to:
- Describe and discuss criminological theories and how they relate to cybercrime.
• Explain the importance of cyberspace in changing the nature of offending, policing and victimisation.

Powerpoint Presentation
Assessment Type ¹: Media presentation
Indicative Time on Task ²: 20 hours
Due: Week 6
Weighting: 20%

A presentation to be designed and recorded by all students based on topics within the course.

On successful completion you will be able to:
• Engage in informed, scholarly debate about cybercrime and their potential impact on globalised society with fellow students and staff.
• Explain the importance of cyberspace in changing the nature of offending, policing and victimisation.
• Demonstrate the ability to communicate ideas in a clear and effective manner.

Research Essay
Assessment Type ¹: Essay
Indicative Time on Task ²: 40 hours
Due: Week 12
Weighting: 50%

2,500 word research essay to be completed by all students on one of the given questions based on course content.

On successful completion you will be able to:
• Describe and discuss criminological theories and how they relate to cybercrime.
• Engage in informed, scholarly debate about cybercrime and their potential impact on globalised society with fellow students and staff.
• Explain the importance of cyberspace in changing the nature of offending, policing and victimisation.
• Research and synthesise relevant policy issues.

¹ If you need help with your assignment, please contact:
• the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
• the Learning Skills Unit for academic skills support.
Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation.

**Delivery and Resources**

**UNIT REQUIREMENTS AND EXPECTATIONS**

- You should spend an average of 12 hours per week on this unit. This includes listening to lectures prior to seminar or tutorial, reading weekly required materials as detailed in iLearn, participating in Ilearn discussion forums and preparing assessments.
- Internal students are expected to attend all seminar or tutorial sessions, and external students are expected to make significant contributions to on-line activities.
- In most cases students are required to attempt and submit all major assessment tasks in order to pass the unit.

**REQUIRED READINGS**

- The citations for all the required readings for this unit are available to enrolled students through the unit iLearn site, and at Macquarie University's library site. Electronic copies of required readings may be accessed through the library or will be made available by other means.

**TECHNOLOGY USED AND REQUIRED**

- Computer and internet access are essential for this unit. Basic computer skills and skills in word processing are also a requirement.
- This unit has an online presence. Login is via: [https://ilearn.mq.edu.au/](https://ilearn.mq.edu.au/)
- Students are required to have regular access to a computer and the internet. Mobile devices alone are not sufficient.
- Information about IT used at Macquarie University is available at [http://students.mq.edu.au/it_services/](http://students.mq.edu.au/it_services/)

**SUBMITTING ASSESSMENT TASKS**

- All text-based assessment tasks are to be submitted, marked and returned electronically. This will only happen through the unit iLearn site.
- Assessment tasks must be submitted as a MS word document by the due date.
- Most assessment tasks will be subject to a 'TurnitIn' review as an automatic part of the submission process.
The granting of extensions is subject to the university’s Special Consideration Policy. Extensions will not be granted by unit conveners or tutors, but must be lodged through Special Consideration: https://students.mq.edu.au/study/my-study-program/special-consideration

LATE SUBMISSION OF ASSESSMENT TASKS

Unless a Special Consideration request has been submitted and approved, (a) a penalty for lateness will apply – two (2) marks out of 100 will be deducted per day for assignments submitted after the due date – and (b) no assignment will be accepted seven (7) days (incl. weekends) after the original submission deadline. No late submissions will be accepted for timed assessments – e.g. quizzes, online tests.

Unit Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction</td>
</tr>
<tr>
<td>2</td>
<td>Introduction to Cybercrime</td>
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<tr>
<td>3</td>
<td>Social Media</td>
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<tr>
<td>4</td>
<td>Cyber Piracy</td>
</tr>
<tr>
<td>5</td>
<td>Online Fraud &amp; Identity Theft</td>
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<tr>
<td>6</td>
<td>Hacking</td>
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<tr>
<td>7</td>
<td>Cyber Espionage</td>
</tr>
<tr>
<td>8</td>
<td>Online drug trade &amp; the Dark Net</td>
</tr>
<tr>
<td>9</td>
<td>Political Hacking</td>
</tr>
<tr>
<td>10</td>
<td>Illegal, Harmful, Offensive Content Online</td>
</tr>
<tr>
<td>11</td>
<td>Cyber Warfare</td>
</tr>
<tr>
<td>12</td>
<td>Prosecuting cybercrime</td>
</tr>
<tr>
<td>13</td>
<td>The future of cybercrime &amp; unit wrap-up</td>
</tr>
</tbody>
</table>

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:

- Academic Appeals Policy
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/admin/other-resources/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 help you improve your marks and take control of your study.

- Getting help with your assignment
- Workshops
- StudyWise
- Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.
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
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>03/02/2021</td>
<td>Updated late penalty statement.</td>
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