PICT8040

Cyber Crime and Cyber Policing

Session 2, Fully online/virtual 2020

Department of Security Studies and Criminology

Contents

Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

Notice

As part of Phase 3 of our return to campus plan, most units will now run tutorials, seminars and ot her small group learning activities on campus for the second half-year, while keeping an online ver sion available for those students unable to return or those who choose to continue their studies onli ne.

To check the availability of face-to-face and onlin e activities for your unit, please go to timetable vi ewer. To check detailed information on unit asses sments visit your unit's iLearn space or consult yo ur unit convenor.

General Information

Unit convenor and teaching staff Stephen McCombie stephen.mccombie@mq.edu.au
Credit points 10
Prerequisites Admission to MPICT or MCPICT or GradDipPICT or GradDipCPICT or PGCertPICT or MPICTMIntSecSt or MCPICTMIntSecSt or MIntSecStud or GradDipIntSecStud or GradCertIntell or MCTerrorism or MCyberSec or GradDipSecStudCr or GradCertSecStudCr or MIntell or MSecStrategicStud or MCrim or MSecStrategicStudMCrim or MSecStrategicStudMIntell or MSecStrategicStudMCyberSec or MSecStrategicStudMCTerrorism or MIntellMCrim or MIntellMCyberSec or MIntellMCTerrorism or MCyberSecMCTerrorism or MCyberSecMCrim or MCTerrorismMCrim or Master of Cyber Security Analysis or ((Admission to BSecStudMCTerrorism or BSecStudMCrim or BSecStudMCyberSecAnalysis or BSecStudMIntell or BSecStudMSecStrategicStud) and (10cp at 6000 level or 10cp at 8000 level))
Corequisites
Co-badged status
Unit description Cybercrime refers to an array of criminal activity including offences against computer data and systems, computer-related offences, content offences, and copyright offences. While early computer hackers were more interested in youthful exploration, modern cybercrime is increasingly about criminal profit and this is reflected in the involvement of transnational organised crime groups. This unit will explore the types of cybercrime, the perpetrators, and investigation techniques.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

ULO1: Understand, analyse, and critically discuss different types of cyber crime activities with respect to the motivations, methods of operation of offenders, and the types of

victims/targets.

ULO2: Demonstrate a comprehensive understanding of past, current cyber threats and future trends in high tech crime.

ULO3: Analyse the impact of cyber crime on government, businesses, society and individuals.

ULO4: Demonstrate a comprehensive understanding of strategies and steps to investigate digital evidence.

Assessment Tasks

Name	Weighting	Hurdle	Due
Research Essay	50%	No	Week 11
Case Study	30%	No	Week 6
Weekly Quizzes	10%	No	Weekly Weeks 3-12
Weekly Participation	10%	No	Weekly

Research Essay

Assessment Type [1]: Essay
Indicative Time on Task [2]: 60 hours
Due: **Week 11**
Weighting: **50%**

Research Essay on Specific Cyber Crime Issue

On successful completion you will be able to:
- Understand, analyse, and critically discuss different types of cyber crime activities with respect to the motivations, methods of operation of offenders, and the types of victims/targets.
- Demonstrate a comprehensive understanding of past, current cyber threats and future trends in high tech crime.
- Analyse the impact of cyber crime on government, businesses, society and individuals.
- Demonstrate a comprehensive understanding of strategies and steps to investigate digital evidence.

Case Study

Assessment Type [1]: Essay
Indicative Time on Task [2]: 40 hours

Due: **Week 6**
Weighting: **30%**

Cyber Breach Case Study

On successful completion you will be able to:
- Understand, analyse, and critically discuss different types of cyber crime activities with respect to the motivations, methods of operation of offenders, and the types of victims/targets.
- Demonstrate a comprehensive understanding of past, current cyber threats and future trends in high tech crime.
- Analyse the impact of cyber crime on government, businesses, society and individuals.
- Demonstrate a comprehensive understanding of strategies and steps to investigate digital evidence.

Weekly Quizzes

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 11 hours
Due: **Weekly Weeks 3-12**
Weighting: **10%**

10 weekly quizzes

On successful completion you will be able to:
- Understand, analyse, and critically discuss different types of cyber crime activities with respect to the motivations, methods of operation of offenders, and the types of victims/targets.
- Demonstrate a comprehensive understanding of past, current cyber threats and future trends in high tech crime.
- Analyse the impact of cyber crime on government, businesses, society and individuals.
- Demonstrate a comprehensive understanding of strategies and steps to investigate digital evidence.

Weekly Participation

Assessment Type [1]: Participatory task
Indicative Time on Task [2]: 13 hours
Due: **Weekly**
Weighting: **10%**

Weekly participation in weekly discussions

On successful completion you will be able to:

- Understand, analyse, and critically discuss different types of cyber crime activities with respect to the motivations, methods of operation of offenders, and the types of victims/targets.
- Demonstrate a comprehensive understanding of past, current cyber threats and future trends in high tech crime.
- Analyse the impact of cyber crime on government, businesses, society and individuals.
- Demonstrate a comprehensive understanding of strategies and steps to investigate digital evidence.

[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 Writing Centre for academic skills support.

[2] 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/ 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/

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.

WORD LIMITS FOR ASSESSMENT TASKS

Stated word limits include footnotes and footnoted references, but not bibliography, or title page. Word limits can generally deviate by 10% either over or under the stated figure. If the number of words exceeds the limit by more than 10%, then penalties will apply. These penalties are 5% of the awarded mark for every 100 words over the word limit. If a paper is 300 words over, for instance, it will lose 3 x 5% = 15% of the total mark awarded for the assignment. This percentage is taken off the total mark, i.e. if a paper was graded at a credit (65%) and was 300 words over, it would be reduced by 15 marks to a pass (50%). The application of this penalty is at the discretion of the course convener.

REASSESSMENT OF ASSIGNMENTS DURING THE SEMESTER

Macquarie University operates a Grade Appeal Policy in cases where students feel their work was graded inappropriately: http://www.mq.edu.au/policy/docs/gradeappeal/policy.html In accordance with the Grade Appeal Policy, individual works are not subject to regrading.

STAFF AVAILABILITY

Department staff will endeavour to answer student enquiries in a timely manner. However, emails or iLearn messages will not usually be answered over the weekend or public holiday period. Students are encouraged to read the Unit Guide and look at instructions posted on the iLearn site before sending email requests to staff.

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

- Academic Integrity Policy

- Academic Progression Policy

- Assessment Policy

- Fitness to Practice Procedure

- Grade Appeal Policy

- Complaint Management Procedure for Students and Members of the Public

- Special Consideration Policy *(**Note:** The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies 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/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 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.

- Subject and Research Guides

- Ask a Librarian

Student Services and 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.

Student Enquiries

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

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.