



PICT8049

Australia and Cyber Intelligence

Session 2, Fully online/virtual 2020

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 learning activities on campus for the second half-year, while keeping an online version available for those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face and online 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

Allon Uhlmann

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Credit points

10

Prerequisites

Admission to MPICT or MCP ICT or GradDipPICT or GradDipCPICT or GradCertCPICT or MPICTMIntSecSt or MCP ICTMIntSecSt or MIntSecStud or GradDipIntSecStud or GradCertIntSecStud or M CyberSec or MSecStrategicStudM CyberSec or MIntellM CyberSec or M CyberSecMCTerrorism or M CyberSecM Crim or Master of Cyber Security Analysis or admission to BSecStudM CyberSecAnalysis

Corequisites

Co-badged status

Unit description

Cyberspace has become a major site for different forms of warfare and coercion, ranging from cyber disruption, through information compromise, all the way to covert information operations on a national level. In this unit students learn how robust cyber intelligence can be used to enhance the often-reactive posture of cyber security. This includes understanding the role of cyber intelligence and counterintelligence within the broad, integrated configuration of cyber-security. Students will learn fundamental intelligence collection and analysis principles and apply them to a cyber-security context.

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: Critique contemporary literature relating to the concepts of cyber intelligence

ULO2: Demonstrate higher order communication skills including the ability to formulate sustained, persuasive and original written and oral arguments

ULO3: Model academic research skills, particularly the ability to select sources appropriately to integrate knowledge from diverse sources, to critically evaluate its significance and relevance, synthesise material and present findings logically, rationally and lucidly

ULO4: Model intelligence collection and analysis skills, particularly the ability to select and evaluate sources and produce an effective intelligence assessment.

ULO5: Evaluate how the intelligence function fits within the dynamic national and internal cybersecurity context.

Assessment Tasks

Name	Weighting	Hurdle	Due
Quiz	30%	No	weeks 5, 8, 13
Preliminary Analysis and Collection Plan	20%	No	Week 4
Collection report	25%	No	Week 9
Intelligence Briefing	25%	No	Week 13

Quiz

Assessment Type ¹: Quiz/Test

Indicative Time on Task ²: 1.5 hours

Due: **weeks 5, 8, 13**

Weighting: **30%**

3 X Quiz covering the prescribed literature in the course.

On successful completion you will be able to:

- Critique contemporary literature relating to the concepts of cyber intelligence
- Evaluate how the intelligence function fits within the dynamic national and internal cybersecurity context.

Preliminary Analysis and Collection Plan

Assessment Type ¹: Project

Indicative Time on Task ²: 31.5 hours

Due: **Week 4**

Weighting: **20%**

A Preliminary analysis of the target based on a scan of readily available material culminating in a detailed collection plan with RFIs.

On successful completion you will be able to:

- Critique contemporary literature relating to the concepts of cyber intelligence
- Demonstrate higher order communication skills including the ability to formulate sustained, persuasive and original written and oral arguments
- Model academic research skills, particularly the ability to select sources appropriately to integrate knowledge from diverse sources, to critically evaluate its significance and relevance, synthesise material and present findings logically, rationally and lucidly
- Model intelligence collection and analysis skills, particularly the ability to select and evaluate sources and produce an effective intelligence assessment.

Collection report

Assessment Type ¹: Project

Indicative Time on Task ²: 36.5 hours

Due: **Week 9**

Weighting: **25%**

An open-source intelligence collection on a relevant target culminating in a structured written report.

On successful completion you will be able to:

- Critique contemporary literature relating to the concepts of cyber intelligence
- Demonstrate higher order communication skills including the ability to formulate sustained, persuasive and original written and oral arguments
- Model academic research skills, particularly the ability to select sources appropriately to integrate knowledge from diverse sources, to critically evaluate its significance

- and relevance, synthesise material and present findings logically, rationally and lucidly
- Model intelligence collection and analysis skills, particularly the ability to select and evaluate sources and produce an effective intelligence assessment.
- Evaluate how the intelligence function fits within the dynamic national and internal cybersecurity context.

Intelligence Briefing

Assessment Type ¹: Project

Indicative Time on Task ²: 36.5 hours

Due: **Week 13**

Weighting: **25%**

A 10-minute presentation or a two-page intelligence product providing an intelligence evaluation of a relevant target.

On successful completion you will be able to:

- Critique contemporary literature relating to the concepts of cyber intelligence
- Demonstrate higher order communication skills including the ability to formulate sustained, persuasive and original written and oral arguments
- Model academic research skills, particularly the ability to select sources appropriately to integrate knowledge from diverse sources, to critically evaluate its significance and relevance, synthesise material and present findings logically, rationally and lucidly
- Model intelligence collection and analysis skills, particularly the ability to select and evaluate sources and produce an effective intelligence assessment.
- Evaluate how the intelligence function fits within the dynamic national and internal cybersecurity context.

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 by the due date.
- All common file formats are generally acceptable i.e. DOCX, DOC, PDF, RTF.
- 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 Disruptions Policy. Extensions will not in normal circumstances be granted by unit conveners or tutors, but must be lodged through Disruption to Study: http://www.students.mq.edu.au/student_admin/manage_your_study_program/disruption_to_studies/.

- 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 more than seven (7) days (incl. weekends) after the original submission deadline. No late submissions will be accepted for timed assessments – e.g. quizzes, online tests.

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 more than 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/PAGE/TIME LIMITS FOR ASSESSMENT TASKS

- Stated word, page or time limits may or may not include footnotes and footnoted references (specific instructions will be provided), but do not include bibliography, or title page.
- Word or time limits can generally deviate by 10% either over or under the stated figure.
- If the number of words or pages deviates from the limit by more than 10%, then penalties will apply. Unless otherwise stated in the specific instructions for the assignments, 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 $3 \times 5\% = 15\%$ 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 \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](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 \(https://students.mq.edu.au/support/study/student-policy-gateway\)](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 \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](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.