

Course information

Paper Number & Title: 158.738 Implementation and Management of Systems Security
Points Value: 15 **Semester:** 2
Campus: AL **Mode:** I

Paper Coordinator: A/Prof Julian Jang-Jaccard
Office: East Precinct, Mathematic Science Building
Room 3.22
Contact: ext. 49026, j.jang-jaccard@massey.ac.nz

Learning outcomes

Students who successfully complete this course should be able to:

1. Describe in detail the term INFOSEC (information security) and its constituent elements: confidentiality, integrity and availability of information and resources.
2. Describe the nature of the security threat facing modern information systems in organisations.
3. Demonstrate knowledge of management aspects of INFOSEC, including: risk analysis, security policies and management, legal and ethical issues.
4. Demonstrate knowledge of the concept of trusted information systems and the associated standards used to define and evaluate trustworthiness.
5. Describe technical measures that can be used to mitigate against the security threat, including: cryptographic and authentication techniques, operating system security features, user identification and access control, firewalls, email and WWW security, protection against viruses, miscellaneous security techniques such as SSL, SET, IPSEC, S/MIME.

Please note: Learning Outcomes are subject to change until the beginning of the semester in which the course is delivered.

Assessment:	Due	Marks
3 assignments (each worth 20%)	During Block1, 2	60%
Report	19 Oct 2020	40%
		100%

Timetable: Semester 2, 2020
Block 1 dates:
30 July 9am-5pm (online)
31 July 9am-5pm (online)
1 August 9am-12am (online)

Block 2 dates:
17 September 9am-5pm (CLQB1)
18 September 9am-5pm (CLQB1)
19 September 9am-12am (CLQB1)

Expectations of etiquette for Stream discussion forum and email:

If you have a general question about the concepts covered during the block course, you are encouraged to post the query on the forum first, so that other students can also benefit. This gives other students the chance to provide answers. The teaching staff do their best to keep track of the questions and, if no suitable answers have been provided within a two days, a member of the teaching team will offer a response. Sometimes we may miss them, so email us if this happens. Sending an email query to each member of the teaching staff (about the same query) separately is **not** appreciated. Send it to one staff member only please.

When engaging in the forum discussions:

1. All communication is expected to conform to the Code of Student Conduct found here: <http://www.massey.ac.nz/massey/about-massey/calendar/studying-at-massey-university/code-of->

[student-conduct.cfm](#)

2. The forum is designed to facilitate student learning; therefore, make sure that discussion topics are confined to relevant course topics.
3. The forum is not the appropriate place for expressing complaints, criticisms or concerns you might have about the course, technologies being used, teaching staff or the university. If you want to express any of the above, raise them directly with the teaching staff, the class advocate or other formal avenues.

Failure to comply with the above expectations may lead to disciplinary action. We are all responsible for creating and maintaining a professional and safe forum to enhance learning, so let's all work to that end.

Assignment Extensions:

Assignment deadlines are strict.

Do not bother asking us for any further assignment extension (unless circumstances are catastrophic and verifiable), instead, refer to official university guidelines for an Aegrotat Pass or Impaired Performance.

Assignment Plagiarism:

We have a zero tolerance approach to plagiarism. Unfortunately over the years, there have been instances of students copying assignments or parts of them, and organising others to do assignments for them. Your assignments will mostly be marked by the tutor during a demonstration session with you present and with you having to describe/justify your code. This will test your understanding of your work. We are very good at detecting plagiarism so please do not do it. Plagiarised assignments will receive zero marks and disciplinary action will follow.

Recommended Textbook:

Computer Security

Author: Dieter Gollmann
ISBN: 978-0-470-86293-3
Edition: 3
Publisher: Wiley

Proposed Feedback and Support for Student Learning:

Assignments marked and returned within the three week period specified by the University.

Conditions for Aegrotat Pass and Impaired Performance:

See University guidelines at: <http://www.massey.ac.nz/massey/learning/exams/before-your-exams/aegrotat-impaired-performance/aegrotat--impaired-performance-guide.cfm>

Application form: <https://www.massey.ac.nz/massey/fms/Current%20students/Files/Exams/Aegrotat.pdf>

Grievance Procedures:

See University Guidelines at:
<https://www.massey.ac.nz/massey/fms/PolicyGuide/Documents/Academic/Student%20Grievance%20Procedures.pdf>