Expectations

Reality

1a. Introduction

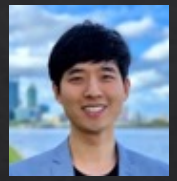
Jin Hong

jin.hong@uwa.edu.au

1a. Introduction: outline

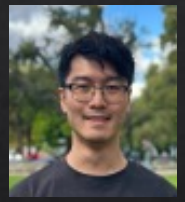
- Team
- Location
- Schedule
- Assessments
- Remember

Team

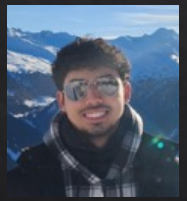


Jin Hong
Unit coordinator
Room CS1.10
jin.hong@uwa.edu.au

Jack Sun
Lab facilitator



Larry Huynh
Senior Lab Facilitator



Muslim Gilani
Lab facilitator

Alian Haidar
Lab facilitator

Teaching Operations (team)
Admin team
Room Main reception
teachingops-team2@uwa.edu.au

Emergency

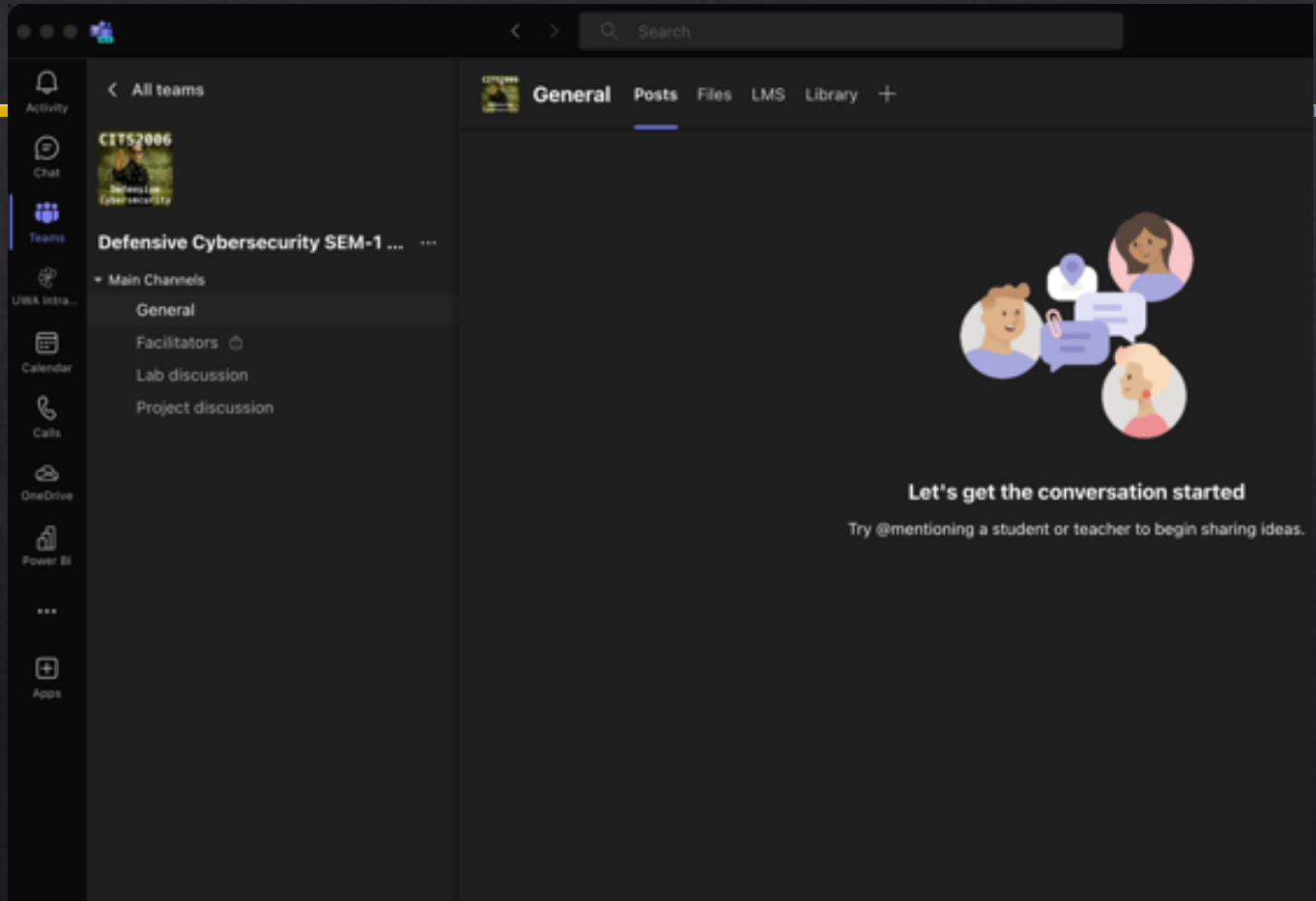
- General emergency: call campus security at 6488 2222
- In super emergency: call emergency at 000
- In all buildings, we have an emergency procedure such as this picture ->
  - Please take a time and read it.
- For more details, please have a read through our emergency procedure for various potential incidents
  - http://www.safety.uwa.edu.au/incidents-injuries-emergency/procedures

Location

- Lecture
  - Venue: Woolnough Lecture Threatre (GGGL 107)
  - Time: Mondays 11am – 1pm
- Labs
  - Lab 1: EZONE CENT 105 @ Tuesdays 9am – 11pm
  - Lab 2: EZONE CENT 209 @ Wednesdays 1pm – 3pm
  - Lab 2: EZONE CENT 209 @ Fridays 11am – 1pm
- Consultation
  - Office at Computer Science building room 1.10 – email to book a time

Changes will be announced (if any)

Location


Search
Activity
Chat
Teams
UWA Intra...
Calendar
Calls
OneDrive
Power BI
Apps
All teams
CITS2006
Defensive Cybersecurity SEM-1 ...
Main Channels
General
Facilitators
Lab discussion
Project discussion
General
Posts
Files
LMS
Library
Let's get the conversation started
Try @mentioning a student or teacher to begin sharing ideas.

Course overview: Term 1

Labs start first week!

Week	Lecture	Lab	Assessments
1	Intro + Defence overview	Lab 0: Linux and Networking	
2	Cryptography	Lab 1: Hashing and Blockchain	
3	Privacy*	Lab 2: Privacy	
4	Access Control		Lab Quiz 1
5	Protocols and Tools	Lab 3: Access Control	
Study Break			

*Privacy lecture will be available online due to Labour Day public holiday on Monday

Course overview: Term 2

Week	Lecture	Lab	Assessments
6	IDS	Lab 4: Protocols and Tools	
7	Threat Intelligence		Lab Quiz 2
8	Security Modelling and Analysis	Lab 5: IDS	Project out
9	Proactive Cybersecurity	Lab 6: Risk Analysis	
10	AI and Security		Project demo
11	Security Management		Lab Quiz 3
12	Special Topic		Project demo

Assessments

Assessment Item	When	Covers	Worth (total)
Lab Quizzes	Weeks 4, 7, 11	Topics up to the week	60% (20% each)
Project			
Stream 1: Group Project	Week 8	Various	40%

Please note, all dates are tentative and subject to change!

How does the lab quiz work?

- During your scheduled lab time, you will be supervised by a lab facilitator to complete a timed lab quiz (~60 mins but can vary).
- You cannot receive mark if your attendance is not confirmed by the lab facilitator.
  - i.e., you must be supervised/invigilated by the lab facilitator to receive marks.
  - Attendance is required for all F2F students (unless a reasonable excuse is provided).

How does the lab quiz work?

- We will be using a peer-marking system, where you will be formed into a group of 4 (or thereabout).
- For MCQ and written questions, marking keys will be provided.
- For Demo, you will be given 10~15 min slots to complete the demo.
- Marking keys will be provided for peer markers to use and submit the report.
- The peer markers will also provide feedback to the demonstrator including the mark range.
- Facilitators will be available for any moderations and review of the peer marking process.
- All submitted peer marks will be reviewed and moderated, and finalised marks will be uploaded to csmarks.
  - https://secure.csse.uwa.edu.au/run/chapter0

Project

- Details to be confirmed but this year I am thinking:
  - You will be put in a group
  - Part 1 (40%) : Design and implement a security feature based on given specs.
  - Part 2 (30%) : Evaluate and discuss implementation of other groups.
  - Part 3 (30%) : Individual reports for parts 1 and 2.
  - You will submit accompanying reports (group and individual) as well as doing Demo as required.
  - But TBC.

Prerequisites and recommendations

- Prerequisites: CITS1003 and CITS1401 (or their equivalents)
- You will need to be familiar with Linux
- You will also need to study a bit about basic computer networking
  - Lab 0 will cover Linux and basic networking so don't panic.
- You may also use other programming languages other than Python as necessary.
  - But we'll keep this to minimal.
- You should also be familiar with basic discrete mathematics and number theory.

Please note

- Lectures provide **theoretical** and **conceptual** understandings of the topics presented
  - But we will also do some practicals in the lectures as applicable
  - So, you should bring your laptop if you want to try them in class as well
- Labs and project provide **practical skills** of the topics presented
- The contents in Lectures, labs and project will be related, but they are all **INDEPENDENT** learning materials
  - i.e., you will be learning new things in each lecture, lab and project.

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