

# CS7NS5, CSU44032

## Security & Privacy

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Course Materials:

<https://down.dsg.cs.tcd.ie/cs7053>

<https://github.com/sftcd/cs7053>

# Administrivia

- Lectures will be face-to-face (yay!):
  - Monday 1600-1750, LB01
  - Wednesday 1700-1750, LB04
- Dates (don't be surprised if I get this wrong;-)
  - Lectures from Today → April 12<sup>th</sup>
  - Reading week: March 6<sup>th</sup>
- I may have some travel during term, more info closer to time if so, but likely I'll arrange a guest lecture or do an online lecture for those slots
- Pronouns: he/him for me
  - If I get yours wrong, apologies and do let me know

# Office Hours

- I'll be hanging out in the “office hours” room on BB collab for about half an hour each week (can be more time if needed)
- Feel free to jump in and ask questions/chat about anything related to the module
  - Yeah, it'll be mostly about assignments;-)
- Initial slot: Tuesday 1430
  - If that slot is terrible I can setup a poll for another, do I need to do that?
  - If no slot is much good we live with that and swap after reading week

# Assessment

- 20% for 2 in-term assignments
  - Deadline is end of term: April 14<sup>th</sup> 2023
- 80% for sit-down, in-person, exam
  - 2 hours, do 3 of 4 questions
- Old exams at:
  - <https://down.dsg.cs.tcd.ie/old-exams/>

# In-term Assignments

- Assignment#1, 15%: Security & Privacy Considerations for your FYP/Dissertation
  - 3-4 pages usually; should be usable in your dissertation/FYP
  - Discuss the security & privacy issues of your dissertation/FYP topic
  - See RFCs 3552, 6973 and W3C tech report on sec/privacy considerations  
<https://tools.ietf.org/html/rfc3552>  
<https://tools.ietf.org/html/rfc6973>  
<https://www.w3.org/TR/security-privacy-questionnaire/>
- Assignment#2, 5%: Security Incident:
  - 1 page describing a significant incident that happens **during the course** saying why its significant
  - Or, a github PR for the course materials that I accept

# Course Outline

- Background and Introductory concepts
- Cryptography
  - So you can understand how that's used in...
- Core security and privacy protocols (esp TLS)
- Other stuff that's interesting as time permits

# Questions?