

# CS7NS5, CSU44032

## Security & Privacy

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Course Materials:

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

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

# Administrivia (1)

- Lectures are **face-to-face**:
  - Monday 1600-1750, LB01
  - Wednesday 1700-1750, LB04
- If you're forced to miss a lecture for good reason, mail me and I'll make the recording available
  - If that happens too many times, I'll reconsider - IOW watching a recording is the exception not the common case
  - Reason: “hybrid” lectures resulted in low attendance (“I’ll watch that later”) which was highly correlated with worse results

# Administrivia (2)

- 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 (weeks of Feb 20<sup>th</sup> and March 27<sup>th</sup>) so will record or live-stream lectures those weeks
  - Will confirm closer to time
- 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
- You can *always* send me email: [stephen.farrell@cs.tcd.ie](mailto:stephen.farrell@cs.tcd.ie)

# 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; text 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 in security and privacy
- (Enough) cryptography so you can understand how that's used in...
- Core Internet security and privacy protocols (esp TLS)
- Other stuff that's interesting as time permits

# Questions?

I like questions and comments!

Just interrupt however works  
when you have a question or  
comment.

The more questions you ask, the less material I cover, and the less revision for your exam.