

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, Lloyd building LB01
 - Wednesday 1700-1750, Lloyd building LB04
- Dates (don't be surprised if I get this wrong;-)
 - Today → April 15th
 - Reading week: March 7th → 11th
- In theory, I may have some actual real-world travel during term, more info closer to time if that actually happens, but likely I'll arrange a guest lecture or do an online lecture for those slots

Blackboard and Recording

- As some people will need to be remote, for some slots, there are blackboard collaborate ultra slots for the lectures so, if necessary, you can join from home or wherever
 - https://tcd.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_71845_1&content_id=_2144849_1
- Lectures will be recorded, recordings available via Blackboard
 - If you object to recording, then fire ahead...
- Reminder to self: hit the “record” button

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;-)
- Default slot: Tuesday 1400 but as that might not suit everyone, please fill in your available slots at the poll:
 - <https://dudle.inf.tu-dresden.de/pickanofficehour/>
 - If some other slot is way better than Tuesday 1400 we can swap
 - If nothing at all is good we live with that but can swap after reading week

Students Talking to One Another

- In Blackboard I see 159 “users” for this module
- In the TCD student system, I see:
 - 105 registered for CS7NS5
 - 23 registered for CSU44032
- I have no idea how many are forced to be remote, but if you are you may benefit from some messaging solution...
 - Please do self-organise that, but send me email if you need help

Assessment

- 20% for 2 in-term assignments
 - Deadline: end of term
- 80% for exam
 - 2 hours, do 3 of 4 questions
- Old exams at:
 - <https://down.dsg.cs.tcd.ie/old-exams/>
- If we get forced to not hold sit-down exams again this year, then we'll do what we did last year (exam replacement assignments)

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?