Blockchains & Distributed Ledgers

Course Administrativia

Petros Wallden, Michele Ciampi, Dimitris Karakostas
Course Overview

- Lectures: Weekly, Wednesday 11.10 - 13.00, 50 George Square, 50GS_Lecture Theatre G.03
- Website (open): [https://opencourse.inf.ed.ac.uk/bdl](https://opencourse.inf.ed.ac.uk/bdl) (also check the learn page and the piazza)

- Course assessment:
  - Assignment: (requires smart contract programming) (30%)
  - Exam (December diet): Multiple-choice questions (more later). (70%)
Office hours

- We use Piazza as a forum for questions
  - You can find a link for it in the course’s Learn page, under *Discussions (Piazza)*
- You must **sign up** to be able to ask questions and read the answers
  - Feel free to answer the questions by your fellow students
- **Do not** email the course’s staff or TAs about course-related questions
  - Whenever possible, post a **public question on Piazza**
  - To discuss a private matter (e.g., solution questions, clarifications for marks, other sensitive matters), post a **private question on Piazza** and make it **visible to all teaching staff**
- **Please do not** ask the course’s staff or TAs to grant you coursework extensions - we can’t
  - Review the University’s relevant [late submission policy](#) (we follow rule 1)
  - Contact the [Student Support Team](#) for extra information
Contact

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- Course Secretary: Yesica Marco Azorin
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Tentative Lecture Schedule

1. (20.09.2023) Introduction to blockchains and distributed ledgers (PW).
2. (27.09.2023) Blockchain-related data structures (MC).
3. (04.10.2023) A blockchain as a platform and introduction to Ethereum (DK).
6. (25.10.2023) Byzantine fault tolerance, permissionless vs. permissioned ledgers (PW).
7. (01.11.2023) Economics, game theory, and incentives (PW).
8. (08.11.2023) Anonymity and privacy, P2P networking, wallets (MC).
11. (29.11.2023) Summary and overview, student questions (All).
Coursework Schedule

- Assignment (counts 30%)
  - Available on 18.10.2023
  - Submission deadline: 15.11.2023, 12.00 (noon)
  - Marks returned: 29.11.2023
Coursework Notes

● Report submission
  ○ Reports are submitted via Learn
  ○ Please *follow the instructions* on each assignment’s description
    ■ Some assignments might require you to submit multiple files
    ■ Some assignments might require specific naming for the submitted files

● Late submission policy
  ○ *Rule 1: Extensions are permitted (3 days) and Extra Time Adjustments (ETA) of 7 days are permitted and can be combined*
    ■ [https://web.inf.ed.ac.uk/infweb/student-services/taught-students/information-for-students/information-for-all-students/your-studies/late-coursework-extension-requests](https://web.inf.ed.ac.uk/infweb/student-services/taught-students/information-for-students/information-for-all-students/your-studies/late-coursework-extension-requests)
  ○ You can make as many submissions as you want; *the last submission will be marked*