This report contains feedback from students about a course taught in the School of Informatics during the 2020/21 academic year, in response to the following questions:

- What advice would you give to a student taking this course in future?
- What did you find most valuable about the course?
- What improvements, if any, would you make to the course?
- Please add any other comments you have about workshops, tutorials or labs on this course
- Please add any other comments you have about the presentation of course materials online and their accessibility
- Reflecting on your experience of hybrid teaching and learning on this course, what has worked well for you?
- Is there anything else you’d like to tell us about your experience of hybrid teaching and learning on this course that would help us improve our approach?

Each course organiser receives this report as well as statistics on multiple-choice responses. All these reports, together with student feedback about individual members of teaching staff, are collected and sent to the Director of Learning and Teaching.

Please note that these are personal responses from individual students: some courses only have a few responses and a small sample can be unrepresentative.

Stereotyping and bias, especially unconscious bias, is a serious concern in any survey gathering personal responses. All students received the rubric below before completing the surveys, and you can read a brief introduction to issues of unconscious bias on the university web pages at http://edin.ac/2iypZBv

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**Rubric given to all students taking the end-of-course feedback survey**

We value your opinions on the courses you take here at the University, as they allow us to shape future delivery and development. We welcome constructive comments about your courses, whether positive or negative, and ask you to give details about any issues in order to help the course organiser to understand and address them.

We encourage you to be aware of the potential for bias in the completion of these questionnaires, so we have developed resources which may be helpful to you:

- Equality, Diversity and Unconscious Bias (http://edin.ac/2iypZBv)

You also have a responsibility to provide feedback in a manner which does not breach the University’s Dignity and Respect Policy:

- University of Edinburgh Dignity and Respect Policy (http://edin.ac/1Cq0VZy)

The results of the questionnaires will never be analysed in a way that seeks to identify individual students from their responses. However, should you wish to remain anonymous, please do not identify yourself in your answers to the survey questionnaire implicitly or explicitly.
What did you find most valuable about the course?

- I really enjoyed solving the coursework, as it often felt like a mix of brainteasers and normal calculations - it's easy to forget it's only homework and not a game sometimes.

- Lectures were very good and interesting. The courseworks were really challenging and I felt I learnt a lot from doing them. Tutorials helped me understand how to phrase proofs of my own, which was especially useful at the start of the semester.

- Really interesting lectures and coursework. Interesting framework for thinking about problems.

- The lectures were very good at explaining the content of the lecture notes.
What improvements, if any, would you make to the course?

- I feel there was a slight bit of miscommunication between the lecturer and the second tutor. For example, the tutor used the non-deterministic time hierarchy theorem when solving the second set of tutorial exercises, even though this was not covered in the course. I'm sure this was just because you had to hire and prepare another tutor within a short amount of time due to more people than expected signing up for the course, but it is the only thing I can think of that could be improved.

- I would have liked to spend more time in the beginning discussing Turing machines. We barely saw their definition and magically agreed to what they can and can't do, but never saw one in action.

- The lectures were slightly too packed with information when I compare them to lectures in other courses. Generally, I started watching most of the lecture recordings with motivation at first but towards the end of each lecture, it gets harder and harder to stay focused.
2.1) What advice would you give to a student taking this course in future?

- Basic knowledge in maths, set theory and computational complexity in general is really useful.

- Do it! It's a fun and challenging course. In a way, it is almost philosophical (although the content is very technical) in how it sets out to answer very foundational questions. Make sure you're prepared for the challenge though, unless your undergrad was in pure maths. Start the courseworks the day they come out, as you will need all the time you can get.
3.1) Please add any other comments you have about the presentation of course materials online and their accessibility.

- Learn is laggy, mobile-unfriendly and bloated. I would much have preferred for the material to be hosted on a simple, separate website, as it has in previous years.

- Recorded lectures were good.
6.1) Reflecting on your experience of hybrid teaching and learning on this course, what has worked well for you?

- I have been able to partake in the tutorials and watch the lectures at my own pace. I think the combination of asynchronous lecture delivery and “live” tutorials has worked well.

- Lectures worked well, tutorials did not. I suspect this was more due to general difficulties of focus, but still, it was unfortunate.

- The lectures, in general, were organized well, it was quite easy to go with them week by week even without being able to be physically present to ask questions.
6.2) Is there anything else you'd like to tell us about your experience of hybrid teaching and learning on this course that would help us improve our approach?

- Personally, I didn't like the tutorials as much as the lectures. I just feel like, in such a subject, these tutorials would have been much more valuable face-to-face, as discussing different solutions and ideas really doesn't work very well from a distance.
9. Thank you -

9.1) Thank you very much for taking the time to complete this questionnaire. Your response and comments will be fully considered.

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Please provide any additional comments you may have about the course, the teaching on the course or the resources that support it in the box below.

Apologies I haven't said much. It's been a strange semester, and this was a really great course!