

Probabilistic Modelling and Reasoning

— Exam Info —

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Probabilistic Modelling and Reasoning (INFR11134)
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Spring Semester 2022

Exam: when and where

- ▶ Exam timetable information is here:

<https://www.ed.ac.uk/timetabling-examinations/exams/exam-diets>

- ▶ For PMR, the info (as on April 4) is as follows:

INFR11134 - Probabilistic Modelling and Reasoning

Informatics

Venue

Playfair Library

Date: Tuesday, 3rd May 2022

Time: 1:00 p.m. to 3:00 p.m.

Duration: 2:00

Examinable material

See course website:

- ▶ the material on the slides
- ▶ the material in the tutorials (pen & paper, and computer)
- ▶ the reading material listed under “required”

unless marked as not examinable

Examinable material

- ▶ I will not ask you to code.
- ▶ I will not ask Python or PyTorch questions.
- ▶ You won't need to understand Python technicalities.
- ▶ But you will need to understand the derivation of the algorithms, what they are doing and when you can use them.

Format

- ▶ The exam is on campus.
- ▶ All questions will be compulsory.
- ▶ It is a closed book exam.
- ▶ Calculators will not be allowed.
- ▶ Different questions will have different numbers of total marks. Take note of this when allocating time to questions.
- ▶ Remember the Common Marking Scheme

<https://web.inf.ed.ac.uk/infweb/student-services/ito/students/common-marking-scheme>

≥ 70 is excellent \Rightarrow You do not need to be able to solve everything for an A.

How much to memorise?

- ▶ I am interested in assessing how well you understand the material and not how well you can memorise formulae.
- ▶ But I expect you to know the core material by heart.
- ▶ Make sure that you know and understand the material in the “Notes” handed out with each tutorial.

Past exams

- ▶ Past exam copies are available at <https://exampapers.ed.ac.uk/>
- ▶ Search for *probabilistic modelling and reasoning*
- ▶ Collection goes back to 2004/2005
- ▶ I have only been teaching PMR since academic year 2017/18. Lecture slides and tutorials were almost all newly developed. There are thus differences to the course from previous years.
- ▶ PMR was not taught last year due to covid teaching adjustment.
- ▶ Questions in past papers that are on topics not covered in this year's PMR are not relevant. Questions on topics that are covered in this year's PMR may help you to prepare for the exam.
- ▶ Notation may be different in past exams.

How to prepare

- ▶ Reserve a sufficient amount of time. Make a plan; plan for rest periods too.
- ▶ Prioritise if you have to (you do not need to get everything right for an A).
- ▶ Be honest with yourself about whether you understand something or not.
- ▶ Don't overfit (on the exercises or slides).
- ▶ Work through the lecture slides; rewatch some recordings; work through the exercises; repeat.
- ▶ Do you understand everything in the “Notes”?
- ▶ Can you explain the material to someone else?
- ▶ T-approach: – Can you explain the big picture? | Can you take deep dives and explain details?

How to answer exam questions

- ▶ Read the questions carefully.
- ▶ If in doubt, better give more detailed answers.
- ▶ Don't provide several conflicting answers and expect the marker to choose the correct one.
- ▶ For math formulae and diagrams, make sure that all quantities are well defined (if not already defined in the question, or standard notation that we used in the lecture)
- ▶ Write legibly—we can only give marks for things we can read.