

UG curriculum changes: reminder

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Last autumn BoS approved the transition plan to the new pre-hons curriculum. Two of the new courses are running in 2019-20, and to complete the transition we need to update DMMR (we propose changing the name, see below) and to introduce two new courses, SEPP and FDS.

2019-20

As a reminder, this year we are running the following courses. Courses that are new or modified are shown in bold.

UG1 courses

Sem 1

Sem 2

Intro to Linear Algebra (20)

Calculus and Applications (20)

[or Inf1-cg (20), for CogSci degree]

Inf1a: Introduction to Computation (20)
outside course (20)

Inf1b: Object Oriented Programming (20)
outside course (20)

UG2 courses

Sem 1

Sem 2

Introduction to Algs and Data Structs (20, full year)

Inf2C-SE (10) [for CS/SE degrees]

Inf2B: Learning (10) **[half of old 2B]**

Computer Systems (20) [for CS/SE degrees]

Probability with Applications (20)

Discrete Maths and Math'l Reasoning (20)

Inf2D: Reasoning and Agents (20) [for AI degrees]

2020-21

We need to introduce the remaining changes to UG2 for 2020-21:

UG2 courses

Sem 1

Sem 2

Foundations of Data Science (20, full year)

Introduction to Algs and Data Structs (20, full year)

Computer Systems (20) [for CS/SE degrees]

SE and Professional Practice (20)

Discrete Maths and Probability (20)

Inf2D: Reasoning and Agents (20) [for AI degrees]

- Inf2b, Inf2-SE, and PwA will cease to run.
- DMMR conversion to DMP is about 25-30% content change. As explained in the full course proposal, some DMMR material can be reduced due to coverage elsewhere,

and the probability section will be expanded to cover standard discrete and continuous probability theory (roughly equivalent to the 10-credit Probability course in maths, but targeted more towards our own students.)

- FDS and SEPP are basically new courses; see preliminary proposals at this board.

UG3 courses

- FNLP is updated to 20pts, to include material from Inf2A (NLP half), as discussed with NLP staff. See proposal.
- ITCS is updated to replace some material on lambda calculus (also covered in EPL) with some material from Inf2A formal languages half, as discussed with Julian. These updates do not require a new course and will be brought to a later board.