Degree Programme Tables Minor Updates

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1 Overview

This document lists minor updates to the School’s Degree Programme Tables to include missing courses (typically new courses which have been introduced since the DPTs were last updated, but also in some cases, well-established courses which have been revised recently) and in some cases to move courses between DPT categories such as CS, non-CS, AI, non-AI, and so forth. The intention is to reduce the number of concessions which are needed for students to meet the conditions of their DPT.

The DPTs have taken on an additional significance since students now regularly validate their course choices against the DPTs using the PATH system. For this reason, it is important that our DPTs are up-to-date and include all of the courses which are on offer.

Note: This document refers to the online version of the DPTs dated 30th January 2018. Any edits applied to the DPTs since that time will not be reflected here. If any uncommitted edits have been applied to a local copy of the DPTs, and are not reflected in the online version dated 30th January 2018, then these updates need to be considered relative to those uncommitted edits by whoever edits the DPTs.

2 Updates to the Course Index

The course index available at [http://course.inf.ed.ac.uk](http://course.inf.ed.ac.uk) lists the courses in the School and groups them into the subject areas of Artificial Intelligence, Cognitive Science, Computer Science, and Software Engineering (AI, CG, CS, and SE) to help with preparing lists of courses which students on various degrees can take, as recorded in the Degree Programme Tables. All lecture courses at Level 9 and above should have some subject area tags which record the subject area to which the course belongs but the table is not currently up-to-date and some courses have no subject area tags.

Studying the DPTs, we can observe that some courses are treated inconsistently or incorrectly in the Degree Programme Tables with respect to their classification in the course index; for example,

- *Principles and Design of IoT Systems* is listed under both Informatics Hons 4th Year AI Courses and Informatics Hons 4th Year non-AI courses, but has the AI tag;
• Software Design and Modelling is listed under both Informatics Hons 3rd Year CS Courses and Informatics Hons 4th Year non-CS courses, but it should have the CS tag (and the SE tag); and

• Computer Communications and Networks is listed under Informatics Hons 4th Year AI courses, but has the CS tag and not the AI tag.

At the time of writing, the subject tags in the course index are presently being updated for the next academic year, but the following changes are expected:

• Change the subject tags for Case Studies in Design Informatics 1 from NONE to {AI, CS}.
• Change the subject tags for Case Studies in Design Informatics 2 from NONE to {AI, CS}.
• Change the subject tags for Categories and Quantum Informatics from NONE to {CS}.
• Change the subject tags for Computational Complexity from NONE to {CS}.
• Change the subject tags for The Human Factor: Working with Users from NONE to {CS, SE}.
• Change the subject tags for Computer Design from NONE to {CS}.
• Change the subject tags for Computer Security from NONE to {CS, SE}.
• Change the subject tags for Data Mining and Exploration from NONE to {AI, CG, CS}.
• Change the subject tags for Formal Verification from NONE to {AI, CS, SE}.
• Change the subject tags for Image and Vision Computing from NONE to {AI, CG}.
• Change the subject tags for Introductory Applied Machine Learning from NONE to {AI, CS}.
• Change the subject tags for Performance Modelling from NONE to {CS, SE}.
• Change the subject tags for Robot Learning and Sensorimotor Control from NONE to {AI}.
• Change the subject tags for Software Design and Modelling from NONE to {CS, SE}.

3 Changes to the Degree Programme Tables

3.1 Artificial Intelligence (BSc Hons)

• Remove Principles and Design of IoT Systems (INFR11150) from the list of Informatics Hons 4th Year non-AI courses but keep it in the list of Informatics Hons 4th Year AI Courses.

• Add Computational Complexity (INFR11102) to the list of Informatics Hons 4th Year non-AI courses.

• Remove Computer Communications and Networks (INFR10074) from the list of Informatics Hons 4th Year AI courses, but keep it in the lists of Informatics Hons 3rd Year non-AI courses and Informatics Hons 4th Year non-AI courses.

1Not running this year, but relevant for next year.
• Remove Scalable Data Management Systems (INFR11123) from the list of Informatics Hons 4th Year non-AI Courses.

• Move Text Technologies for Data Science (INFR11145) from the list of Informatics Hons 4th Year AI courses to the list of Informatics Hons 4th Year non-AI courses.

3.2 Artificial Intelligence and Computer Science (BSc Hons)

• Add Computational Complexity (INFR11102) to the list of Informatics Hons 4th Year CS Courses.

• Remove Computer Communications and Networks (INFR10074) from the list of Informatics Hons 4th Year AI courses, but keep it in the lists of Informatics Hons 3rd Year non-AI courses and Informatics Hons 4th Year non-AI courses.

• Remove Scalable Data Management Systems (INFR11123) from the list of Informatics Hons 4th Year CS Courses.

• Remove Text Technologies for Data Science (INFR11145) from the list of Informatics Hons 4th Year AI courses but keep it in the list of Informatics Hons 4th Year CS courses.

3.3 Artificial Intelligence and Mathematics (BSc Hons)

• Remove Computer Communications and Networks (INFR10074) from the list of Informatics Hons 4th Year AI Courses both in Group A and in Group B.

• Remove Text Technologies for Data Science (INFR11145) from the list of Informatics Hons 4th Year AI Courses both in Group A and in Group B.

3.4 Artificial Intelligence and Software Engineering (BSc Hons)

• Remove Principles and Design of IoT Systems (INFR11150) from the list of Informatics Hons 4th Year non-AI and non-SE courses but keep it in the list of Informatics Hons 4th Year AI courses.

• Add Computational Complexity (INFR11102) to the list of Informatics Hons 4th Year CS courses.

• Add Software Design and Modelling (INFR10064) to the list of Informatics Hons 3rd Year SE courses.

• Remove Computer Communications and Networks (INFR10074) from the list of Informatics Hons 4th Year AI courses, but keep it in the lists of Informatics Hons 3rd Year non-AI courses and Informatics Hons 4th Year non-AI courses.

• Remove Scalable Data Management Systems (INFR11123) from the list of Informatics Hons 4th Year CS courses.

• Remove Text Technologies for Data Science (INFR11145) from the list of Informatics Hons 4th Year AI courses but add it to the list of Informatics Hons 4th Year SE courses.
3.5 Artificial Intelligence with Management (BEng Hons)

- Remove *Computer Communications and Networks (INFR10074)* from the list of Informatics Hons 4th Year AI courses, but keep it in the lists of Informatics Hons 3rd Year non-AI courses and Informatics Hons 4th Year non-AI courses.
- Remove *Text Technologies for Data Science (INFR11145)* from the list of Informatics Hons 4th Year AI courses.

3.6 Cognitive Science (BSc Hons)

- Add *Computational Complexity (INFR11102)* to the list of Informatics Hons 4th Year CS courses.
- Remove *Scalable Data Management Systems (INFR11123)* from the list of Informatics Hons 4th Year CS Courses.

3.7 Computer Science (BEng Hons)

- Add *Computational Complexity (INFR11102)* to the list of Informatics Hons 4th Year CS courses.
- Remove *Scalable Data Management Systems (INFR11123)* from the list of Informatics Hons 4th Year CS courses.
- Keep *Software Design and Modelling* in Informatics Hons 3rd Year CS Courses but move it from Informatics Hons 4th Year non-CS courses to Informatics Hons 4th Year CS courses.
- Remove *Principles and Design of IoT Systems (INFR11150)* from the list of Informatics Hons 4th Year non-CS courses but keep it in the list of Informatics Hons 4th Year CS courses.
- Remove *Internet of Things Systems, Security, and the Cloud (IoTSSC) (INFR11146)* from the list of Informatics Hons 4th Year non-CS courses but keep it in the list of Informatics Hons 4th Year CS courses.

3.8 Computer Science (BSc Hons)

- Add *Computational Complexity (INFR11102)* to the list of Informatics Hons 4th Year CS Courses.
- Remove *Scalable Data Management Systems (INFR11123)* from the list of Informatics Hons 4th Year CS courses.
- Keep *Software Design and Modelling* in Informatics Hons 3rd Year CS Courses but move it from Informatics Hons 4th Year non-CS courses to Informatics Hons 4th Year CS courses.
- Remove *Principles and Design of IoT Systems (INFR11150)* from the list of Informatics Hons 4th Year non-CS courses but keep it in the list of Informatics Hons 4th Year CS courses.
- Remove *Internet of Things Systems, Security, and the Cloud (IoTSSC) (INFR11146)* from the list of Informatics Hons 4th Year non-CS courses but keep it in the list of Informatics Hons 4th Year CS courses.
3.9 Computer Science and Electronics (BEng Hons)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons 4th Year CS Courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons 4th Year CS courses.
- Keep *Software Design and Modelling* in Informatics Hons 3rd Year CS Courses but add it to Informatics Hons 4th Year CS courses.

3.10 Computer Science and Management Science (BSc Hons)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons 4th Year CS Courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons 4th Year CS courses.
- Keep *Software Design and Modelling* in Informatics Hons 3rd Year CS Courses but add it to Informatics Hons 4th Year CS courses.

3.11 Computer Science and Mathematics (BSc Hons)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons 4th Year CS Courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons 4th Year SE courses.
- Keep *Software Design and Modelling* in Informatics Hons 3rd Year CS Courses but add it to Informatics Hons 4th Year CS courses.

3.12 Computer Science and Physics (BSc Hons)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons 4th Year CS Courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons 4th Year SE courses.
- Keep *Software Design and Modelling* in Informatics Hons 3rd Year CS Courses but add it to Informatics Hons 4th Year CS courses in Group A and Group B.

3.13 Computer Science with Management (BEng Hons)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons 4th Year CS Courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons 4th Year SE courses.
- Keep *Software Design and Modelling* in Informatics Hons 3rd Year CS Courses but add it to Informatics Hons 4th Year CS courses in Group A and Group B.
3.14 Informatics (MInf)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons 4th Year CS courses and the list of Informatics Hons Level 11 courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons 4th Year courses and the list of Informatics Hons Level 11 courses.
- Add *Data Mining and Exploration* (INFR11007) to the list of Informatics Hons Level 11 courses.

3.15 Software Engineering (BEng Hons)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons 4th Year non-SE courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons 4th Year SE courses.
- Add *Software Design and Modelling* to Informatics Hons 3rd Year SE courses and keep it in Informatics Hons 4th Year SE courses.
- Add *Text Technologies for Data Science* (INFR11145) to the list of Informatics Hons 4th Year SE courses.

3.16 Software Engineering with Management (BEng Hons)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons 4th Year non-SE courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons 4th Year SE courses.
- Add *Software Design and Modelling* to Informatics Hons 3rd Year SE courses and keep it in Informatics Hons 4th Year SE courses.
- Add *Text Technologies for Data Science* (INFR11145) to the list of Informatics Hons 4th Year SE courses.

3.17 Advanced Design Informatics (MSc) (Full-time)

- Add *Computational Complexity* (INFR11102) to the list of Informatics Hons Level 11 courses.
- Remove *Scalable Data Management Systems* (INFR11123) from the list of Informatics Hons Level 11 courses.
- Remove *Applied Databases* (INFR11015) from the list of Informatics Hons Level 11 courses.
- Add *Data Mining and Exploration* (INFR11007) to the list of Informatics Hons Level 11 courses.

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2I think that this category should either be “Informatics MSc Level 11 Courses” for consistency with other MSc DPTs, or just be “Informatics Level 11 Courses”.

3This should be confirmed depending on lecturer availability. Ignore here and elsewhere if not applicable.
3.18 Artificial Intelligence (MSc) (Full-time)

- Add Computational Complexity (INFR11102) to the list of Informatics MSc non-AI courses.
- Move Image and Vision Computing (INFR11140) from Informatics MSc Non-AI courses to the list of Informatics MSc AI courses.
- Move Data Mining and Exploration (INFR11007) from Informatics MSc Non-AI courses to the list of Informatics MSc AI courses.
- Keep Principles and Design of IoT Systems (INFR11150) in Informatics MSc AI Courses but remove from Informatics MSc Non-AI Courses.
- Remove Scalable Data Management Systems (INFR11123) from the list of Informatics MSc Non-AI Courses.
- Remove Applied Databases (INFR11015) from the list of Informatics Hons Level 11 courses.

And analogous changes for Artificial Intelligence (MSc) (Part-time) – 2 Years and Artificial Intelligence (MSc) (Part-time) – 3 Years.

3.19 Cognitive Science (MSc) (Full-time)

- Under Informatics MSc CG Courses, change “Select between 40 and 90 credits of the following courses” to “Select between 40 and 100 credits of the following courses”.
- Add Computational Complexity (INFR11102) to the list of Informatics MSc non-CG courses.
- Move Data Mining and Exploration (INFR11007) from Informatics MSc non-CG courses to the list of Informatics MSc CG courses.
- Remove Scalable Data Management Systems (INFR11123) from the list of Informatics MSc Non-CG Courses.
- Remove Applied Databases (INFR11015) from the list of Informatics MSc non-CG courses.

And analogous changes for Cognitive Science (MSc) (Part-time) – 2 Years and Cognitive Science (MSc) (Part-time) – 3 Years.

3.20 Computer Science (MSc) (Full-time)

- Under Informatics MSc CS Courses, change “Select between 40 and 90 credits of the following courses” to “Select between 40 and 100 credits of the following courses”.
- Add Computational Complexity (INFR11102) to the list of Informatics MSc non-CS courses.
- Move Text Technologies for Data Science (INFR11145) from the list of Informatics MSc Non-CS Courses to the list of Informatics MSc CS Courses.
- Move Internet of Things Systems, Security, and the Cloud (IoTSSC) (INFR11146) from the list of Informatics MSc Non-CS Courses to the list of Informatics MSc CS Courses.

4Here and elsewhere, for consistency with MSc in Artificial Intelligence.
• Move Principles and Design of IoT Systems (INFR11150) from the list of Informatics MSc Non-CS Courses to the list of Informatics MSc CS Courses.

• Remove Scalable Data Management Systems (INFR11123) from the list of Informatics MSc CS Courses.

• Remove Applied Databases (INFR11015) from the list of Informatics MSc CS courses.

And analogous changes for Computer Science (MSc) (Part-time) – 2 Years and Computer Science (MSc) (Part-time) – 3 Years.

3.21 Data Science (MSc) (Full-time)

• Change all occurrences of “Select between 10 and 50 credits of the following courses” to “Select between 10 and 60 credits of the following courses”.

• Remove Machine Learning Practical (INFR11132) from category APPS but keep in category MACHINE LEARNING.

• If removing Applied Databases (INFR11015) from O - DSCDT - DATABASES consider adding Database Systems (INFR10070).

And analogous changes for Data Science (MSc) (Part-time) – 2 Years and Data Science (MSc) (Part-time) – 3 Years.

3.22 Design Informatics (MSc) (Full-time)

• Add Computational Complexity (INFR11102) to the list of Informatics Hons Level 11 courses.

• Add Data Mining and Exploration (INFR11007) to the list of Informatics Hons Level 11 courses.

• Remove Applied Databases (INFR11015) from the list of Informatics Hons Level 11 courses.

• Remove Scalable Data Management Systems (INFR11123) from the list of Informatics Hons Level 11 courses.

3.23 Informatics (MSc) (Full-time)

• Under Informatics Hons Level 11 courses, change “Select between 50 and 100 credits of the following courses” to “Select between 40 and 100 credits of the following courses”.

• Add Computational Complexity (INFR11102) to the list of Informatics Hons Level 11 courses.

• Add Data Mining and Exploration (INFR11007) to the list of Informatics Hons Level 11 courses.

• Remove Applied Databases (INFR11015) from the list of Informatics Hons Level 11 courses.

• Remove Scalable Data Management Systems (INFR11123) from the list of Informatics Hons Level 11 courses.

And analogous changes for Informatics (MSc) (Part-time) – 2 Years and Informatics (MSc) (Part-time) – 3 Years.
3.24 Data Science (MSc)(R)

- Remove Machine Learning Practical (INFR11132) from the category APPS but keep in the category MACHINE LEARNING.
- Add Machine Learning Practical (INFR11132) to the category Data Science (MSc)(R)120 - Level(s) 9-11.
- If removing Applied Databases (INFR11015) from O - DSCDT - DATABASES consider adding Database Systems (INFR10070).

4 Minor editorial corrections

- Remove non-printing characters from the course page for The Human Factor: Working with Users (INFR11141) at [http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11141.htm](http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11141.htm)
- Remove non-printing characters from the course page for Principles and Design of IoT Systems (INFR11150) at [http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11150.htm](http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11150.htm)
- Remove non-printing characters from the course page for Case Studies in Design Informatics 2 (INFR11095) at [http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11095.htm](http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11095.htm)
- Remove non-printing characters from the course page for Internet of Things Systems, Security, and the Cloud (IoTSSC) (INFR11146) at [http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11146.htm](http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11146.htm)
- Remove non-printing characters from the course page for Robot Learning and Sensorimotor Control (INFR11142) at [http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11142.htm](http://www.drps.ed.ac.uk/17-18/dpt/cxinfr11142.htm)