Degree Programme Tables Minor Updates

Stephen Gilmore
School Curriculum Advisory Officer
School of Informatics

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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` 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}[1].
- Change the subject tags for *Text Technologies for Data Science* 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.

[1] Not 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 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.[2]
- 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.[3]
- Add *Data Mining and Exploration (INFR11007)* to the list of Informatics Hons Level 11 courses.

[2] I 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".

[3] This should be confirmed depending on lecturer availabilty. 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".[4]
- 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-CG 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.

[4] Here 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`
- 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`
- 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`
- 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`
- 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`