Amendments to the Data Science DPT

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Uncontroversial amendments:

1. Add Advanced Databases to the "Databases and Data Management" course collection.

2. Add Image and Vision Computing to the "Unstructured Data and Applications" course collection. (Advanced Vision is already there.)

3. (Bug fix, just here for the record): Fundamentals of Data Management should have course code INFR11176, not the old PGPH code.

Further possible amendment (for discussion):

4. Add Blockchains and Distributed Ledgers to the "Databases and Data Management" course collection.

(I've been asked to put this to BoS since there isn't really anyone in charge of this DPT.)

Note that Data Science students can already take BDL if they choose it from their 20 credits of unrestricted options.

But apparently several of them have been granted concessions to take BDL *instead of* another course from the "Databases and Data Management" collection (of which they are required to choose a minimum of 10 credits).

At present that collection (listed below) does contain another security-related course (Usable Security), but a big motivation for adding that was that the other options in the collection assume a CS background (in particular, strong knowledge of algorithms and/or data structures), and not all Data Sci students have that. But I think BDL does not satisfy the same need; rather it just seems students would rather do it and avoid the courses that seem more relevant to the degree.

So personally I'm not sure there is a strong argument for including BDL in this collection, but I could be convinced if others feel there is. If we decide *not* to include it, then I think we should also not routinely grant concessions for students to do it instead of the other options; instead they should use their 20 points of free choice for it.

Databases and Data Management course collection:

- Algorithms and Data Structures
- Database Systems
- Applied Databases
- Extreme Computing
- Advanced Topics in Foundations of Databases
- Algorithmic Foundations of Data Science
- Usable Security and Privacy
- Fundamentals of Data Management

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