

Sol Course Proposal Review Form

Version: Nov 2021

Reviewer Name: <Valerio Restocchi>

Name of Proposed Course: <Knowledge graph>

Date of review: <23/11/2021>

Instructions to reviewers: please read through the course proposal and answer the reviewer questions below. Return your completed review form to iss-bos@inf.ed.ac.uk by the review deadline. If you are new to the School or to reviewing course proposals, it may help to read some of the guidance provided to course proposers, mostly included as prompts in the course proposal form itself (including links to external reference materials).

1 Course overview and case for support (Sec 1 of proposal)

1.1 Course name and acronym

Given the course description, are the name and acronym appropriate, or would you suggest any changes?

I think the name should be “Knowledge graphs” instead of “Knowledge graph”.

1.2 Summary and Description

Do the Summary and Description make the course sound attractive, including a student-friendly overview of the learning aims, content, and style of the course, and (if need be) who the course is aimed at? Are there any issues with content or wording that you feel should be addressed?

Overall, both the Summary and the Course Description are fine. I would avoid repeating word by word the summary in the course description though, and use the former to provide a more specific introduction to the topic. Also, there are several typos.

- “An underlying feature of many AI systems **concern** how [...]” should be “concerns” (repeated in both the Summary and Course Description)

- “knowledge graph are” -> “knowledge graphs are”

- “recommenders and and many applications”

I would also rephrase “In this course, we will discuss the following topics” to something like “In this course, we will cover topics such as” to give the lecturers more flexibility in what they will cover without having to change the Course Description.

I would also make a practical example of knowledge graphs, for those students who have not heard of them (I guess everybody is familiar with Google’s knowledge panels).

1.3 Target audience and contribution to the School's curriculum

Please comment on the case made for this course and its contribution. For example,

- Is there good evidence that it would attract students, or is otherwise necessary (e.g. strategically)?
- Do you have any concerns about how it would fit in with other courses (or even concerns about other courses that come to light here)?
- Is the description of the target audience consistent with the requested SCQF level? Are there any cohorts of students (degree programmes or years) that may not have been considered, including students from outside the School?

Note that even if a course is academically sound, BoS can still reject it if the case for support is not convincing (ie if developing and delivering the course is unlikely to be a good use of resource).

I think a course in Knowledge Graphs would be of interest for many students and is definitely a topic that I believe should be covered by the School. The description of target audience seems appropriate.

1.4 Learning Outcomes

Please comment on the Learning Outcomes. Questions to consider include:

- Are the verbs specific enough that it is clear what type of assessment could be used for each Learning Outcome, and what level of cognitive skill/understanding is needed (e.g., Bloom's taxonomy low levels such as recalling or defining, medium levels such as applying or explaining, high levels such as evaluating or designing)?
- Are the Learning Outcomes appropriate to the level of the course, and at an appropriate level of generality?
- Are there any LO's that you feel are missing, or other suggested changes?

I think LOs could be more specific. For instance, "Understand and use knowledge graph standards (including RDF, OWL and SPARQL) to construct knowledge graphs and query over them;" could become "Construct knowledge graphs by applying relevant standards such as RDF, OWL, and SPARQL".

1.5 Other comments

Do you have any other comments about anything in Section 1 of the proposal?

No

2 Course delivery, assessment, resourcing (Sec 2 of proposal)

2.1 Use of time

After reviewing the proposed content, use of timetabled activities, and plans for assessment, please comment on the use of time, in light of the guidance to use no more than 6-7h/week for a 10pt course, or 13-14h/week for a 20pt course, including all course activities. For example,

- Does the course appear to be keeping within those guidelines, is it over-ambitious, or is that difficult to determine based on the proposal so far (and if so, why)?
- Is the balance of activities reasonable (e.g., will students have enough self-study time outside of timetabled activities and assessment)?
- Do plans for support activities (labs, tutorials, etc) look appropriate or could they be improved?
- Are there any inconsistencies between what is stated in the text, and the “breakdown of activities” table? (This table is notoriously confusing; if you’re not sure just say so.)

--

2.2 Assessment and feedback

Aside from the amount of time spent on assessment (discussed above), are there any other issues with the plans for assessment and feedback? For example,

- Is the number of items of assessment reasonable (normally, no more than 1 summative coursework for a 10pt course, or 2-3 for a 20pt course)?
- Is it clear which learning outcomes are assessed by each piece of assessment, and that all LOs are covered?
- Are there any concerns about whether the assessment will scale effectively if the class is larger than expected, or whether the assessment design will make it difficult to align marks with the Common Marking Scheme (e.g., due to automarking)?
- Do the plans require tight turnaround times which may not be feasible?

--

2.3 Decolonisation, inclusion, and ethics

Are you satisfied with the plans for making the course inclusive and decolonising the content and delivery (including designing for accessibility; gender, racial, cultural, and other issues)? Do you have any suggestions for improvement in these areas?

--

If the course proposal does not already mention social or ethical issues related to the course topic, should these be addressed in the course somehow? This is especially relevant for 20pt courses. If so, please provide suggestions if possible. *(Note that if others agree, the proposer may be asked to modify the course description, Learning Outcomes, and/or Graduate Attributes, as appropriate.)*

2.4 Resource requirements and other comments

For now we will mainly have SG and/or BF evaluate the resourcing section, but if you have any comments about that, or anything else to say about Sec 2, please say so here.

3 Sample course materials and publicity (Sec 3 of proposal)

Do you have any comments about this section? *(You may wish to consider whether the materials provided teach or assess the types of learning outcomes listed in Section 1.)*

4 Requisites, timetabling, and other details (Sec 4-5 of proposal)

4.1 Delivery period and requisites

Do the delivery period and co-/pre-requisites present difficulties for any particular cohort of students? If so, who? *(Consider all years/degrees for whom the course is intended, both UG and PGT. Note that most PGT students will not have taken any of our UG courses, so “other requirements” or recommended prerequisites should often be used instead of required prerequisites).*

4.2 Other requirements

For courses open to PGT students or other courses without formal prerequisites, does the “other requirements” box provide sufficiently specific guidance about required background in mathematics, programming, or other areas, and is it reasonable to expect most target students to have this knowledge? Please highlight any concerns.

4.3 Tags

If this is a level 9-10 course, do the chosen tags (Sec 5) seem appropriate? If not, please suggest changes. (SG will also review this section, in case you’re not sure.)