Department of Computer Science - Undergraduate Curriculum Committee
Meeting Minutes 1/27/2021 11:15 AM

Present: Xiuwen Liu (CS Dept Chair), Ann Tyson (UCC chair, voting member), David Gaitros, Lauren Higbee, Sharanya Jayaraman, Melina Myers (voting member), David Whalley, Jiawei Zhang (voting member), Zhenghao Zhang (voting member)

Location: Zoom meeting

Agenda Topics, Discussion and Voting

- New Python Course Proposal - Sharanya Jayaraman
  - Awaiting revised syllabus, possible 3XXX or 4XXX, pre-reqs were under discussion last meeting and were going to be modified in new syllabus
  - In request system? Not yet
  - The CS UCC has not voted on this yet; will need to vote when ready

    Discussion and Vote: Generally all agreed on new syllabus and that this should be requested as a 4XXX course. We discussed the revised pre-req listing and agreed it was fine. We discussed the revised course topics and also agreed on those. Committee voted to approve syllabus and overall course proposal. Sharanya will now file a formal course request in the CRA system. She may recommend the 4046 number in the request, as she thought that is a similar course in the state system, but some thought that it does have some major differences.

- Proposal to update/revise course pre-requisite course check priority list
  - See document with prior priority list
  - Input needed from CS advisor Lauren Higbee

    Discussion: Lauren presented comments on the current manual process, which places a heavy burden on advisors especially during drop/add. We agreed that it would be good to move in an automated direction. Lauren pointed out that the math department uses PERC. One person argued that pre-reqs for COP 3014/3363 should be ignored for many students. Another argued that they should be enforced for those courses. It was proposed that for now we move to a system where we check/enforce pre-reqs for the core courses, e.g. COP 3014, COP 3363, COP 3330, CDA 3100, COP 4530, and any other 4XXX that faculty view as core, but that we do not hand-process pre-req checks on most 4XXX electives to eliminate some of the manual processing time. This was generally agreed upon. Lauren will make up an email to send to the committee listing courses and giving everyone an opportunity to indicate whether they want to do a pre-req check/drop on particular courses, or not. Committee members will need to

respond. Over the long term the hope was that this will become automated and that most or all courses can be checked.

- Proposal for revised Minor Requirements – Xiuwen Liu

  Discussion: Xiuwen presented a document proposing a breakdown into tracks such as general, programming, physical science, data science, etc. We agreed after talking that it would be good to simply and streamline so that the program would be most manageable for students and advisors. The overall plan was to stick with 12 hour total credits required, and to have students select course from interest groups, e.g. a programming interest group, etc. We agreed students could take at most 1 fluency course, and at most 1 intro C++ programming course, to count in the minor. Xiuwen and Lauren will work on creating a new proposed plan for the minor for everyone to consider at a future meeting.

- Pending issue FYI: Xian Fan's new course proposal 4xxx, not in system yet, no UG proposal yet to my knowledge, we are waiting on an undergraduate syllabus, Peixiang is working with Xian on graduate syllabus at this point
  planned to be CIS5930/CIS 4930 Bioinformatics: Sequence Analysis

  Discussion: none

- Pending issue, discuss if time: Fluency going all online – still multiple factors unknown at department level; one possible question we addressed last time: would faculty be receptive to the idea of hiring one person to teach fluency all the time - yes; Melina volunteered to teach it longer term at the last meeting

  Discussion: Melina is willing to teach fluency 2021/2022 if it is all online. So far attempts to hire another specialized faculty member have not worked out, but department is still hoping to hire someone.

- Pending issue, discuss if time: Discrete Math I/II replacement update; lack of resources, only 1 person volunteered to teach it (Mascagni) and we agreed we need at least 3, currently Math has the resources to teach it and we do not; resources to teach additional courses are limited right now, may ease up later in 2021

  Discussion: there is still a lot of support for a Discrete Structures course taught by CS to replace the two discrete math courses taught by math. It was suggested that additional faculty who might want to teach it would be Bob Myers, Katie Brodhead and Chris Mills. Dave Whalley thinks there could be more and will suggest a list to Xiuwen. It was pointed out that someone who is interested in teaching this needs to come up with a syllabus for the discrete structures course so that we can evaluate a plan for it. It was

left that Dave Whalley and Xiuwen will discuss who might be interested in that.

<u>Final Notes</u>

Votes held: We voted to approve the 4XXX Python 2 course proposal by Sharanya Jayaraman
Meeting ended approximately: 12:30 pm
Prepared by: AF Tyson 1/27/2021