

REVISED AGENDA
Educational Policies Committee
November 15, 2021
604 Cohodas
3:00 p.m.

****Unless someone is not feeling well or quarantined, meetings will be held in a F2F modality.****

1. Approval of Minutes – November 1, 2021
2. Approval of Agenda
3. Business
 - a. Review of Mathematics & Computer Science Program Proposal (with J.D. Phillips)
 - b. Consideration of Revised ADR Guidelines (previously distributed)
 - c. New Make-up of EPC after AAUP contract ratification
 - d. Good of the Order
 - e. Agenda for next meeting

Educational Policies Committee
Minutes
Monday, November 15, 2021, 3-5 p.m.
604 Cohodas

Present: J. Cantrill (chair), M. Inman (secretary), C. Johnson, K. Johnson, J. Lubig, J. Thompson, L. Warren and R. Winn, and L. Eckert, B. Canfield, G. Logan

4. Approval of Minutes – November 1, 2021

- a. G. Logan moved to approve. Seconded by C. Johnson. All in favor.

5. Approval of Agenda

- a. B. Canfield requested to revise agenda to add under new business the new make-up of EPC based on the ratified new AAUP contract. B. Canfield moved to approve with revisions. All in favor.

6. New Business

a. Mathematics/Computer Science CUP Proposals – Presented by guest J.D. Phillips from Math and CS department

i. New Program – Applied Statistics Minor

- 1. To be taught by Drs. Lawton, Poe and Shafei
- 2. Beginning 20/23 academic year
- 3. Rationale: Demand for skilled data metrics is driving many business decisions these days to enable higher efficiency and planning; Can be applied across many disciplines' campus wide
- 4. Anticipated enrollment: Year 1 = 8; Year 2 = 16 and Year 5 = 40
- 5. Need to hire a data scientist and/or applied statistician

ii. New Program – Data Science Major

- 1. To be taught by Drs. Lawton, Poe and Shafei
- 2. Beginning 20/23 academic year
- 3. Goals/Rationale: Provide students with knowledge and skills in CS and statistical modeling for data-intensive problem solving and scientific discovery (see 3.a.i.3. above). Demand for skilled data scientist is on the rise now and into the next decade
- 4. Anticipated enrollment: Year 1 = 15; Year 2 = 30 and Year 5 = 60-80 department actually feels as if this is on the low side based on student interest
- 5. See 3.a.i.5. above
- 6. General comments and questions from EPC committee on the major and the minor:
 - C. Johnson: Is DSC 476 a new course as she has never seen a new course proposal for it. Per J.D. it is. J.D. commented that with their current staff they could teach 80% of the courses, but to make this a

credible we would need to hire a stats person. Carol commented that in the COB they offer a data minor course and also a business analytics course. Are those not sufficient enough? She also mentioned that her professors that teach these courses are interested in software called Crimson Hexagon (?). She saw no mention in their proposals of software that would be needed and any extra cost associated with that. J.D. responded that all of that would depend on who they hired and what they would want to use to teach and of course would add to the cost of the program.

-L. Warren then commented so then there really is no complete cost to review then. J.D. said that is correct as it would depend on the software.

-J. Cantrill commented that he didn't really see the rationale to hire a new line. J.D. responded by saying that some in the department could handle it, but not everyone in the department wants to teach in these areas. He also stated that these documents were written before Fritz was fired.

-J. Cantrill asked R. Winn if this proposed new position was in the staffing plans? R. Winn responded that "no it was just a position (data science) that Fritz was heavily pushing them to have (J.D. and L. Eckert also verified this statement).

-B. Canfield asked if they could support this in their department currently? J.D. responded that they are the biggest understaffed program on campus and if we move forward it would be a big challenge to staff it without hiring.

-L. Warren asked if their 5-year budget was realistic? It's really hard to say because we were rushed into putting these programs together by Fritz. There are currently no CIP codes that support the pay rates of someone of this caliber that we would need to hire. There is still the unknown of software etc. B. Canfield commented that a Stat CIP averages about \$83,000, but don't see CIP's for an Applied or Data Scientist.

-J. Lubig asked if it wouldn't make more sense to focus on a W/F 2023 start and keep advertising until then as a 2022 start just seems too soon especially given how hard it's going to be to recruit someone. Have you given any thought to advertising internationally? J.D. responded that they had not, but it's not something that they have ruled out either.

-L. Eckert asked if a hire would be more likely if a graduate degree was included. J.D. answered – yes.

- Someone asked where the enrollment projections came from? J.D. responded that – Matt Franti, but yet the spreadsheet said they were provided by Drs. Lawton, Poe and Shafei.

-J. Cantrill asked about adopting the programs, but delaying the hire of a tenure track position.

-L. Warren commented that she felt the proposal was weak. She said the impact on majors is a little vague; it doesn't explain how these majors could immensely impact and help other researchers and/or other majors on campus etc. Right now, we have no tutors or data support people to send people to for help with this sort of stuff. J.D. commented that it would be added to their math lab.

-R. Winn asked if they really thought they would get students if all of the other state schools in MI are already offering programs like this? J. Lubig interjected and he said he feels there's an untapped market up here with the tribal community. J.D. felt they could get students from elsewhere too (WI and other surrounding states just based on the appeal of the U.P. – with the right marketing of course).

iii. New Program – Accelerated Mathematics Major (a.k.a. 4+1 Program or a "Master's in five")

1. To be taught by Drs. Thompson and Lawton
2. Beginning 20/23 academic year
3. Rationale: Students take up to four graduate level courses while completing their undergrad; those graduate credits are banked until they have completed their undergrad and enrolled in the master's program. It allows the students to stay on one extra year to complete their master's degree in a short five years – NMU will be the only place they can do so in the entire U.P.
4. Anticipated enrollment: Year 1 = 3; Year 2 = 6 and Year 5 = 9
5. No extra staffing is needed because they are teaching these courses anyway and these students would just be allowed to enroll in them as long as all of the other criteria are met (# of credits, GPA etc.)
6. General comments:
 - L. Eckert said that they are really moving away from this 4+1 terminology and using what they call a "blended and accelerated" term. She said that banking credits isn't exactly how it works.

Overall Comments to regarding these proposals:

- B. Canfield – If it's financially sound after going through CUP – no problems supporting it; tell CUP to continue their review and finish their recommendation; nuances – CIP codes (new jobs)
- D. Winn – In favor of a tenure track position, but he would like the new hire to be able to teach in both the CS and math (multi-disciplinary – work for students and faculty as well); Fritz paid three of their faculty this summer to put together a proposal on all of this – all he got was a paragraph – no courses etc. Promised them a faculty position if they could get a program together

- L. Warren – The narrative was weak, but the argument here today was stronger; feels we need to hire a statistician unrelated to these CUP proposals
 - C. Johnson – Don't think proposal is strong; seems rushed. Schools in MI have this – there's nothing distinctive; nothing to light the enrollment fire. How can we shape the program better to sell it better?
 - J. Thompson – In COB we couldn't even get someone to teach stats; they need people in math; see a lot of overlap with COB classes in CS and these proposals
 - G. Logan commented that he would like to see it written into the job description if they are going to use the new hire to do work for other students/departments for statistician type work.
7. Jim is going to send a letter to CUP (David Pierce) in support of them moving forward with their review of these proposals. He will bullet point some of the concerns/issues/questions we have addressed here.
- b. ADR Guideline discussion: Moved to January 24, 2022 meeting
 - c. Make-up of EPC
 - i. Discussion of some of the changes that need to occur with the make-up of the EPC now that the new AAUP contract has been ratified
 1. B. Canfield is spearheading those revisions. He did mention that we now will have two at large members. There was some confusion on who all the members currently are and what their exact positions are within the committee so he's working on clarifying all of that.

7. Good of the Order

8. Agenda for Next Meeting

- a. Move the college reports* for Graduate College (L. Eckert) and College of Health Sciences and Professional Studies (J. Lubig) to meeting on January 24, 2022.
- b. ADR Guideline Discussion (Jim emailed most recent copy out to everyone after today's meeting)

Adjourned at 4:52 PM

*Reports should succinctly review each of the following (if applicable):

- * Enrollment Trends (including double majors)
- * New Programs Accepted (with enrollment benchmarks)
- * SCH Trends and Retention Highlights
- * Accepted Program Benchmark Trends
- * Staffing Requests Update
- * ERIP Results and Replacement Exigencies
- * Anticipated Retirements
- * Upcoming Curriculum Revisions with Resource Implications

To make her job a bit easier, please provide Michelle Inman with an outline of your remarks and/or slide deck before the meeting.