

**From:**Rainer Steinwandt <RSTEINWA@fau.edu>  
**Sent:**Wednesday, October 7, 2020 9:44 PM  
**To:**Mihaela Cardei <mcardei@fau.edu>  
**Cc:**William Kalies <WKALIES@fau.edu>; Frederick Hoffman <HOFFMAN@fau.edu>; Hanqi Zhuang <zhuang@fau.edu>  
**Subject:**RE: Curriculum items from CEECS

Hello,

Thanks. With this, there are no concerns from math for the proposed minors, certificate, and courses.

Best,  
Rainer

**From:**Mihaela Cardei <mcardei@fau.edu>  
**Sent:**Wednesday, October 7, 2020 9:17 PM  
**To:**Rainer Steinwandt <RSTEINWA@fau.edu>  
**Cc:**William Kalies <WKALIES@fau.edu>; Frederick Hoffman <HOFFMAN@fau.edu>; Hanqi Zhuang <zhuang@fau.edu>  
**Subject:**Re: Curriculum items from CEECS

Hello Rainer,

Thank you for your reply. We met with the curriculum in AI group and we agreed to follow the guidelines from Dr Ivy (see the attached emails on June 19 and July 26) when proposing new courses in AI. These guidelines clarify that other units could develop courses in their specific areas. We agree that CAP 4612 will not be used to block mathematics/statistics courses in (applied) machine learning.

The course CAP6616 was originally proposed for the MSITM program and Big Data Analytics Certificate. These are joint programs with ITOM, and as part of the curriculum revisions we decided to add CAP 6616 and the Business course "ISM 6427: Business Innovation with Artificial Intelligence" to both programs. Many of the MSITM students do not have the background to take the existing course CAP 6673. The 6xxx versus 5xxx course level was discussed in the CEECS department and they decided to keep the 6xxx level, same as the Business course ISM 6427, since this will benefit MSITM students.

For your information, all these items CAP 6616, ISM 6427,MSITM, and the Big Data Certificate are on the UGC Consent/Action Agenda for the Senate meeting on October 12th. The proposed courses CAP 6616 and ISM 6427 are part of the program changes.

I hope my explanation addresses your concerns.

Best regards,  
Mihaela

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**From:**Rainer Steinwandt <[RSTEINWA@fau.edu](mailto:RSTEINWA@fau.edu)>  
**Sent:**Wednesday, October 7, 2020 1:35 PM  
**To:**Mihaela Cardei <[mcardei@fau.edu](mailto:mcardei@fau.edu)>  
**Cc:**William Kalies <[WKALIES@fau.edu](mailto:WKALIES@fau.edu)>; Frederick Hoffman <[HOFFMAN@fau.edu](mailto:HOFFMAN@fau.edu)>  
**Subject:**RE: Curriculum items from CEECS

Dear Mihaela,

I hope all is well. From a conversation with Bill about a meeting of the AI curriculum group, I understand that your proposed minor and certificate will not prevent us from contributing to a university-wide minor in Applications of AI, where students are not required to take courses in other Colleges. With this understanding, I am happy to say that we have

- No concerns about the AI certificate, thanks for checking.
- No concerns about the AI minor, thanks for checking.

For the courses:

- Proposed CAP 2500: No concerns, thanks for checking.
- Proposed CAP 4612: Within the SUS, Applied Machine Learning is already taught under an STA prefix (see STA 4634/5635 at FSU), so we would seek confirmation that this course will not be used to block mathematics/statistics courses in (applied) machine learning. If CAP 4612 will not be used to block mathematics/statistics courses in (applied) machine learning, we have no concerns.
- Proposed CAP 6616: This course appears to overlap with the existing and fairly accessible CAP 5768 (taught by two departments), specifically on Machine Learning, Decision Trees, Bayes Learning. Is a new course really needed? The proposed course appears to use the very same book as the existing CAP 6673 and the proposed CAP 4612. In view of the light prerequisite, the 6000-level clarification appears problematic – for graduate students in math, we would not be comfortable accepting this as a 6000-level course.

Best,  
Rainer

**From:**Mihaela Cardei <[mcardei@fau.edu](mailto:mcardei@fau.edu)>  
**Sent:**Tuesday, September 15, 2020 2:53 PM  
**To:**Frederick Hoffman <[HOFFMAN@fau.edu](mailto:HOFFMAN@fau.edu)>; Rainer Steinwandt <[RSTEINWA@fau.edu](mailto:RSTEINWA@fau.edu)>  
**Cc:**Hanqi Zhuang <[zhuang@fau.edu](mailto:zhuang@fau.edu)>; Jerome Haky <[hakyj@fau.edu](mailto:hakyj@fau.edu)>; Kevin Wagner <[kwagne15@fau.edu](mailto:kwagne15@fau.edu)>; Dan Meeroff <[dmeeroff@fau.edu](mailto:dmeeroff@fau.edu)>  
**Subject:**Curriculum items from CEECS

Hello Dr. Hoffman and Dr. Steinwandt,

I am writing regarding the 6 CEECS items that have been discussed yesterday in the UUPC (first 4 items) and Senate meeting (last 2 items):

Certificate in AI  
Minor in AI  
CAP 2500 Applications of AI  
CAP 4612 Applied Machine Learning and Data Mining  
Graduate Minor in AI  
CAP 6616 Applied Machine Learning

Please find attached the revised forms. As discussed in the meetings, the Department of Mathematical Sciences has been added to the list of departments consulted for these items.

Please let us know if you have any objections on these items.

Best regards,  
Mihaela Cardei