

**MINUTES OF
UNIVERSITY COMMITTEE ON CURRICULA**

October 7, 2020

Present: C. Christopher, L. Fenech, M. Fienup, G. Gould, D. Grant, M. Hecimovich, R. Kidwell, C. Nedrow, S. O’Kane, P. Pease, G. Pohl, D. Power, G. Rhineberger-Dunn, S. Riehl, A. Schmeising, D. Shaw, D. Wallace

Absent: D. Heistad

Guests: M. Clayton, J. Demastes, L. Escalada, L. Geisinger, S. Kucuksari, S. Morgan, S. Revuru, L. Riedle, N. Rodriguez, P. Shand, E. Wallingford, C. Weeks

The meeting was called to order by P. Pease at 3:00pm via Zoom.

I. Welcome and Introductions

P. Pease welcomed all present.

II. Approval of Minutes – September 30, 2020

M. Fienup moved to approve the September 30, 2020 minutes. D. Grant seconded.

P. Pease asked if there were any corrections or additions to the minutes. Hearing none.

P. Pease called for a vote on the September 30, 2020 minutes. Motion passed unanimously.

III. Curriculum review procedures for Consent Agenda Items – All Departments

M. Fienup moved, S. O’Kane seconded, to approve the consent agenda.

Consent Agenda Items – Courses

- BIOL 1070 Bioscientific Terminology (deleted)
- BIOL 3197 Undergraduate Practicum in Biology Teaching (deleted)
- BIOL 4131 Animal Behavior (deleted)
- BIOL 4152 Microbial Molecular Biology (deleted)
- BIOL 4153 Recombinant DNA Techniques (deleted)
- BIOL 4154 Aquatic Ecology (deleted)
- BIOL 4176 Microscopy Methods in Biology (deleted)
- CS 1010 Microcomputer Applications and Systems Integration (deleted)
- CS 1020 Microcomputer Systems (deleted)
- CS ED 1310 Programming Environments for Elementary Education (prefix)
- CS ED 1320 Fundamentals of Programming (prefix)
- CS ED 2310 Foundational Concepts in Computer Science (prefix)
- CS ED 3310 Teaching and Learning Programming (prefix)
- CS ED 3320 Data Structures and Algorithms (prefix, terms offered)
- CS ED 4330 Methods for Teaching Computer Science (prefix)
- EARTHSCI 1100 Astronomy (course description)
- EARTHSCI 1110 Astronomy Laboratory (course description)
- EARTHSCI 1200 Elements of Weather (course description)
- EARTHSCI 1210 Elements of Weather Laboratory (course description)
- PHYSICS 1400 Conceptual Physics (deleted)
- TECH 1011 Software Graphic Techniques (title)

- TECH 2024 Technical Drawing and Design II (terms offered)
- TECH 2060 Fundamentals of Automated Manufacturing (course description)
- TECH 2070 Digital Pre-Media (terms offered)
- TECH 3024 Advanced CAD and Modeling (terms offered)
- TECH 3065 Technology and Organizational Efficiency (course description)
- TECH 3143 Managing Operations and Manufacturing Systems (course description)
- TECH 3144 Web Publishing (terms offered, offering frequency)
- TECH 3180 Lean and Sustainable Operations (course description)
- TECH 4158 Graphic Communications Technical Visualization (prerequisites, terms offered, offering frequency)
- TECH 4174 Senior Design I (prerequisites)

Consent Agenda Items – Programs

- BIOLACADPOLICY-NOTE Biology Academic Standard Policy (edited)
- BIOMED-BA Biology Major: Biomedical Emphasis (restatement)
- BIOTCH-BA Biology Major – Teaching (removal of course)
- COMPAPP-CERT Certificate in Computer Applications (deleted)
- BASSCIK8TCHG-MINOR Basic Science Minor (K-8)-Teaching (restatement)

P. Pease asked if there was any discussion or request to remove items from the consent agenda. S. Riehl asked to pull the BIOMED-BA, BIOTCH-BA, and TECH 4174 from the consent agenda.

Chair Pease called for a vote on the motion to approve the consent agenda, excluding the BIOMED-BA, BIOTCH-BA, and TECH 4174. Motion passed unanimously.

IV. Curriculum review procedures for the curriculum proposals of the Department of Biology

M. Fienup moved, S. O’Kane seconded to approve the Department of Biology curriculum packet.

Agenda Items – Programs

- BIOMED-BA Biology Major: Biomedical Emphasis (restatement)
- BIOTCH-BA Biology Major – Teaching (removal of course)

BIOMED-BA: S. Riehl indicated there are double asterisks on BIOL 3100 and BIOL 3140 indicating those are not prerequisites to 3000 level courses, she thinks the asterisks should be on the courses that have the prerequisites waived, not on BIOL 3100 and BIOL 3140. M. Clayton indicated the prerequisites of BIOL 3100 and BIOL 3140 should be required for 4000 level courses. M. Clayton explained it could be redundant information, it was information for students to understand they can take BIOL 3100 and BIOL 3140 while they take other 3000 level courses, but they do need BIOL 3100 and 3140 before taking a 4000 level course. S. Riehl mentioned she doesn’t see a need for the double asterisk footnote, M Clayton agrees as its duplicative information. N. Rodriguez doesn’t understand the purpose of the double asterisk footnote as these are courses as part of a core that every biology student takes regardless of the emphasis they choose. P. Pease clarified we will strike the footnote. M. Fienup asked if the footnote could be used to get students into a 3000 level course. S. Riehl indicated there isn’t a 3000 level course that had the prerequisites of BIOL 3100 and BIOL 3140 that she sees.

BIOTCH-BA: S. Riehl mentioned the same issue with the double asterisk footnote is in the BIOTCH-BA. P. Pease added removing the double asterisk footnote would clean things up, and it’s one less thing students need to try and interpret.

Chair Pease called for a vote on the motion to approve the curriculum packet from the Department of Biology, pending edits discussed. The motion passed unanimously.

V. Curriculum review procedures for the curriculum proposals of the Department of Physics

M. Fienup moved, S. O’Kane seconded to approve the Department of Physics curriculum packet.

Agenda Items – Courses

- PHYSICS 1010 Physics in Everyday Life Laboratory (added)

PHYSICS 1010: P. Shand explained this is a stand-alone lab course, and it’s an LAC course. The Physics department currently offers two LAC courses, PHYSICS 1000 Physics in Everyday Life which is a lecture course (3 credits), and PHYSICS 1400 Conceptual Physics which is a lecture and lab course (4 credits). These two courses have been entirely separate courses, taught by separate instructors, but the department decided it would be more efficient to have the two courses share lectures. Students in PHYSICS 1000 and PHYSICS 1400 share a lecture. There are some students who wish to have a lab course to satisfy LAC requirements, but they register for PHYSICS 1000 which is a non-lab course, and realize that it did not satisfy the LAC lab requirement. The department has had to offer 1 credit independent study lab courses so students wouldn’t have to take another 4 credit course to satisfy the LAC lab, which puts a burden on the faculty. This new stand-alone lab course PHYSICS 1010 would be added and PHYSICS 1400 is being dropped. D. Wallace asked if PHYSICS 1000 should be a pre or corequisite. For the “or equivalent” piece of the prerequisite, we wouldn’t be able to determine what the equivalent would be so the department will probably see every student that wants to take this course. P. Pease asked if we could remove the “or equivalent”, since consent of department head is also listed. P. Shand indicated that is fine, but sometimes there are students who transfer courses in that are equivalent, but he is fine removing the “or equivalent” from the prerequisite since consent of department head is also listed.

Chair Pease called for a vote on the motion to approve the curriculum packet from the Department of Physics, pending edits discussed. The motion passed unanimously.

VI. Curriculum review procedures for the curriculum proposals of the Department of Computer Science

M. Fienup moved, S. O’Kane seconded to approve the Department of Computer Science curriculum packet.

Agenda Items – Programs

- COMPSIED-CERT Certificate in Computer Science Education (added)

COMPSIED-CERT: No discussion.

Chair Pease called for a vote on the motion to approve the curriculum packet from the Department of Computer Science. The motion passed unanimously.

VII. Curriculum review procedures for the curriculum proposals of the Department of Chemistry & Biochemistry

M. Fienup moved, S. O’Kane seconded, to approve the Department of Chemistry & Biochemistry curriculum packet.

Agenda Items – Courses

- CHEM 4605 Introduction to Polymer Science (added)

Agenda Items – Programs

- BS CURRICULA-NARRATIVE Bachelor of Science Curricula (added)
- MATERIALSSCITECH-MINOR Materials Science and Technology Minor (added)

CHEM 4605: No discussion.

BS CURRICULA-NARRATIVE: M. Fienup asked D. Wallace if all BS majors satisfy this information. D. Wallace answered she is not sure, but this is a question that has been raised in the past, so that is why this narrative has been brought forward in order to identify the cognate courses. S. Riehl indicated at our additional meetings last year we discussed the idea of cognates and essentially removed them. P. Pease clarified this is more of a general proposal. C. Weeks explained their department proposed this narrative to take the lead after speaking with other departments who offer BS degrees, and since last year there were questions about their BS degrees related to the cognates. They found most departments don't meet the cognate requirements with the new numbering system. When the change was made from the old numbering system, 100 level courses were renumbered anywhere from 1000 level to 4000 level courses. This narrative updates the terminology to now make it work. S. Riehl mentioned UCC met and compared programs and dealt with this topic outside of the curriculum process. P. Pease indicated we did but it never moved on to Faculty Senate. P. Pease added this is something that has to be recommended in more broad terms, it will be pulled out of the Chemistry & Biochemistry department and will be proposed as an overall catalog rule change. C. Weeks indicated he would be okay with that and most departments that offer BS degrees would be okay with that. There were a small number of departments that liked the idea of retaining a cognate requirement, but that wasn't a majority. This narrative was a compromise proposal for those that would have liked to eliminate all cognates and those that wanted more cognates. This was put forward from all BS departments, and there are consults from those departments. S. Riehl added we should table this and compare notes from our previous meeting to see what we recommended. P. Pease mentioned in the narrative item 1.2 that mentions "At least one mathematics or science cognate that is a prerequisite for a required course in major" might be too narrow of a path. C. Weeks explained that it ends up being pretty broad and most BS majors meet this requirement. S. Riehl mentioned we have to think about future programs as well. C. Weeks indicated he doesn't think there would be objections from most departments to get rid of the cognate course requirement, there are a couple people who wanted to keep the requirement so they tried to come up with a flexible way of listing the requirements in this narrative. If there are alternative suggestions we could bring the departments together for more discussion at a future meeting. P. Pease indicated we can table this proposal and discuss at our broad discussion meeting. This type of change doesn't need to go through this curriculum process. UCC just needs to make a recommendation to Faculty Senate.

MATERIALSSCITECH-MINOR: S. Riehl explained there are three routes of required courses to get the Chemistry requirement, the problem is TECH 3127 has prerequisites of TECH 1024 and a Math course, which requires students to take 7 more hours. M. Fienup mentioned one of the ways to handle that is to list all four courses for that option since there are or's. C. Weeks explained there wasn't a way to list an option with three "or's". S. Riehl clarified the second option would list CHEM 1020, TECH 3127, TECH 1024, and a choice of Math course, which could be a confusing requirement. C. Weeks indicated we could asterisk TECH 3127 and list the prerequisites below that are not part of the program. The reason for the CHEM 1020 & TECH 3127 option is those courses have the combined content that students need in terms of Chemistry for the other courses of the minor, and to make this minor accessible to Tech students. Tech students who take this minor would have the prerequisites for TECH 3127. S. Riehl explained the issue is when there is a prerequisite for a required course, those prerequisite courses are then part of the program so we don't use asterisks. With this case, there are three options to satisfy this requirement, so she isn't opposed to footnoting it, but it does need to be clear that there are hidden prerequisites and someone following that route has a longer minor. P. Pease added there are three Chemistry options, so they are essentially electives since there is a choice. There could be elective blocks and the Chemistry block would list the options, and the 2nd option would be longer due to the prerequisites. M. Fienup added he tends to like to list the lower level courses first. C. Weeks indicated that is why they listed it this way so students understand the order to take courses in. S. Riehl added it could say Required Chemistry: then list the 3 options, Required Physics: and then list the 2 options. She asked if someone takes the 5 credit CHEM 1130 course, do they take extra electives to reach the total. Or is there a range. M. Fienup indicated there is a

range. D. Wallace added typically we do list a Chemistry section, or Physics section for example, she thinks she can sort this out to give a clearer picture, but we would want the prerequisites noted for TECH 3127. M. Fienup added he would like it to be listed instead of asterisked. P. Pease clarified we would create a couple required sections (Chemistry and Physics) and for the Chemistry option that has the hidden prerequisites we would list those out, which would mean more credits to reach that Chemistry option. D. Wallace added she would consider it like option 1, option 2, etc. so students see the difference in hours. P. Pease mentioned the department needs to look at the edits to make sure it matches what they intended once it is laid out. M. Clayton added CHEM 1020 is 4 hours, and TECH 3127 is 3 hours, so that option is 7 credits. C. weeks clarified CHEM 1110 and CHEM 1120 option is 8 credits, CHEM 1020 and TECH 3127 option is 7 credits and CHEM 1130 option is 5 credits. So listing those credits out would help. D. Wallace can clean that up and show the Chemistry and Technology departments to ensure that is how they want it listed. We can preface this to say the hours differ depending on the option. P. Pease asked if UCC wants to see it at cleanup. The committee agrees it is editorial and they do not need to see it.

M. Fienup moved, S. O’Kane seconded, to table the BS CURRICULA-NARRATIVE. Chair Pease called for a vote on the motion. The motion passed unanimously.

M. Fienup moved, S. O’Kane seconded, to approve the CHEM 4605 course and MATERIALSSCITECH minor. Chair Pease called for a vote on the motion, pending edits discussed. The motion passed unanimously.

VIII. Curriculum review procedures for the curriculum proposals of the Department of Technology

M. Fienup moved, S. O’Kane seconded, to approve the Department of Technology curriculum packet.

Agenda Items – Courses

- TECH 2072 Engineering Materials (prerequisites)
- TECH 2080 Statics and Strength of Materials (prerequisites)
- TECH 4110 Manufacturing Process Planning (prerequisites, terms offered)
- TECH 4174 Senior Design I (prerequisites)

TECH 2072: S. Revuru explained they are requesting the prerequisite of ALEKS score of 61 or higher and completion of LAC 1A to be added. This course has a large portion of math assignments, and students have been found to be struggling with mathematics. S. Riehl recommends instead of specifying the score required, to use the same language of other departments, “satisfactory score on ALEKS exam”, which allows them to tweak the number outside of the curriculum process. M. Fienup asked if they want LAC 1A added, which is the reading and writing requirement, did they mean LAC 1C, the math requirement? S. Revuru mentioned they do want LAC 1A as students also do writing in this course. P. Pease asked how students know what a suitable ALEKS score is. S. Riehl explained that is on the website for ALEKS and the website can be tweaked to change the cutoff scores for courses. L. Riedle asked how that works in the prerequisites for allowing or not allowing students to get into the course. D. Wallace explained that gets coded behind the scenes by using the website that S. Riehl is referring to. M. Fienup asked if there was a way to include a link to the ALEKS website to see what the sufficient score is. D. Wallace didn’t think that would work within the course prerequisite. That link could be put somewhere else in the catalog, but it wouldn’t work in the course description. L. Riedle added as long as they can use this as a gate for the prerequisite, that will work. S. Riehl mentioned the disadvantage of doing it this way is if for example someone is trying to get into Calculus I, but doesn’t get the appropriate ALEKS score, they can enroll in and successfully complete Pre-Calculus without raising their ALEKS score, and the student would need to have the department secretary intervene and enroll them in the subsequent class. This does work to keep students with low ALEKS scores out of the course. D. Wallace added since the ALEKS score was first implemented, now there are ALEKS and ALEKS 2, and behind the scenes it has two different scores depending on the ALEKS exam they take. S. Revuru added this is fine as long as students have the appropriate scores. P. Pease asked who maintains the website. S. Riehl added she thinks Advising. P. Pease

indicated we need to be sure this course is listed on the website with the appropriate score required. D. Wallace mentioned she thinks Admissions maintains that. P. Pease asked if D. Wallace can follow up to get this course added. D. Wallace will follow up.

TECH 2080: S. Revuru indicated this is a highly mathematical course. They are asking for an additional prerequisite to ensure students have more math background in order to be successful in the course. M. Fienup asked if the “and” for the prerequisite goes with the Physics course. D. Wallace asked if they want MATH 1150 to be a prerequisite or pre and corequisite. S. Revuru indicated it should be a prerequisite. D. Wallace will make that correction. S. Riehl asked if they want MATH 1420 Calculus I to be allowed as a prerequisite if some of their students take MATH 1420 instead of MATH 1150. L. Riedle indicated some transfer students do transfer in MATH 1420 and they allow that. S. Revuru clarified MATH 1150 or MATH 1420 should be what is added to the prerequisite. M. Fienup asked if MATH 1150 covers MATH 1420. S. Riehl answered it covers Calculus I, part of Calculus II, and Pre-calculus. The added prerequisite should be MATH 1150 or MATH 1420. D. Wallace will update.

TECH 4110: S. Revuru explained in this course they write a report at the end of the semester and this is a senior level course. They are adding ENGLISH 3772 as a prerequisite as this was an observation from assessments where they found students were lacking in writing skills in that class. D. Wallace mentioned this was discussed at GCC and they indicated they want ENGLISH 3772 as a prerequisite for undergraduate students and ENGLISH 5772 for graduate students, or consent of instructor. P. Pease asked if ENGLISH 3772 should be a prerequisite or pre or corequisite. S. Revuru mentioned it should be a prerequisite.

TECH 4174: S. Riehl asked about the prerequisites, which sound unenforceable. D. Wallace confirmed “complete at least 6 EET major courses” is not enforceable. S. Riehl added if they want to leave this as a prerequisite that is fine, but then the department has to make sure the right people sign up for the course as the system will not be able to filter that prerequisite. D. Wallace mentioned if this course is only taken by EET majors, she suggests we add that to the prerequisite to indicate this is for declared EET majors. She asked if ENGLISH 3772 should be prerequisite or a pre or corequisite. S. Kucuksari indicated pre or corequisite. P. Pease asked if we should strike the prerequisite of 6 EET courses. M. Fienup mentioned he thinks it is ok to leave the “complete at least 6 EET major courses” to help with advising even though it isn’t enforceable. S. Riehl asked if they could add consent of instructor. L. Riedle indicated we can do that for this course. D. Wallace will add “Consent of Instructor” and will leave the 6 EET major courses in the prerequisite, even though it isn’t enforceable as it helps with advising.

Chair Pease called for a vote on the motion to approve the curriculum packet from the Department of Technology, pending edits discussed. The motion passed unanimously.

IX. Curriculum review procedures for the curriculum proposals of the Department of Science Education

M. Fienup moved, S. O’Kane seconded, to approve the Department of Science Education curriculum packet.

Agenda Items – Programs

- MIDJRHGSCITCHG-BA Middle-Level Science Teaching Dual Major
- STEM-MINOR STEM Education Minor (restatement)

MIDJRHGSCITCHG-BA: L. Escalada indicated this is a unique major as it’s part of the Middle Level Education Dual major, so when you actually look at what shows up under the course catalog, what they are proposing to change isn’t in this Middle Level Science Teaching Dual major. The requirement for the Classroom Management is in the Middle Level Education Dual major. After discussion, what they are wanting to do is have the Middle Level Science Teaching Dual majors take the 1 credit hour Classroom Management course (TEACHING 3129) that other secondary science teaching majors take. In regards to

where the TEACHING 3129 course should show up, because it's part of the Middle Level Education Dual major, it should show up on that major. They have approval from Department of Teaching and the Department of Curriculum & Instruction that the Middle Level Science Teaching Dual majors can take TEACHING 3129, but worry about everyone else seeing that the Middle Level Science Dual majors have this substitution, and he's not sure they want to promote that. He understands this is a substitution, and if all stakeholders are okay with the substitution he is okay with that. M. Fienup asked if they can put a note on this Middle Level Science Teaching Dual major as to what they should substitute. Then it's not advertising to other majors what these students are doing. C. Christopher recommended adding the 1 credit course in the Middle Level Science Dual teaching major to be more transparent, knowing it will be substituting in the Middle Level Education dual major. L. Escalada asked if that would be adding to the notes, or in the program. C. Christopher indicated the notes section is fine. D. Wallace mentioned to add an asterisk and indicate the substitution as a footnote, then the Record Analyst would be able to code that in this major to substitute TEACHING 3129 for Middle Level Science Teaching Dual majors. D. Wallace added if they gave a blanket substitution we could process it that way too. P. Pease understands why they don't want this to be widely known to majors who aren't Middle Level Science Education majors, but if students are looking at the Middle Level Education Dual major first, will they miss the note to take the appropriate classroom management course? If they were working on the Middle Level Education Dual major first before declaring the Middle Level Science Education Dual major, they could miss this substitution course. L. Escalada indicated seldom are there students coming from Middle Level Education teaching wanting to pursue Middle Level Science Education, so it wouldn't worry him that they would be missing out on this substitution opportunity. S. Riehl heard we could list the course in this program, or add a footnote, she prefers to list the course in the program. It would have a new category and list the course, and then the substitution would be processed to remove the course in the Middle Level Education major. D. Wallace added she thinks it would be good to add the footnote or sentence in the intro for this major, and it would be a substitution done for each student. She indicated this proposal is really referencing a substitution in the Middle Level Education Dual major but only students who have also declared the Middle Level Science Education Dual major, so she would prefer a sentence regarding the substitution being added to the Middle Level Science Education Dual major and not adding the course as a choice into the Middle Level Education major.

STEM-MINOR: L. Escalada explained SCI ED 3100 is being replaced with ELEMECML 3100, which changes the hours from 2 to 3 for that course requirement, so the Science Education range of hours should change from 2-4 to 3-4, changing the total hours to 34-35.

Chair Pease called for a vote on the motion to approve the curriculum packet from the Department of Science Education, pending edits as discussed. The motion passed unanimously.

X. Curriculum review procedures for the curriculum proposals of the Earth & Environmental Sciences

M. Fienup moved, S. O'Kane seconded, to approve the Department of Earth & Environmental Sciences curriculum packet.

Agenda Items – Courses

- EARTHSCI 3100 Fundamentals of Astronomy (credit hours)
- EARTHSCI 3323 Geochemistry of the Land (added)
- EARTHSCI 3336 Natural Resources and Civilizations (added)

Agenda Items – Programs

- EARTHSCI-BA Earth Science Major (restatement)
- ENVIRASSESSMENT-MINOR Environmental Assessment Minor (added)

- ENVSCI-BA Environmental Science Major (title, restatement)
- ENVSCI-BS Environmental Science Major (added elective option)
- HYDROLOGY-MINOR Hydrology Minor (added)

EARTHSCI 3100: M. Fienup mentioned this could be more of a GCCC problem, but he doesn't know why we are giving grad credit for this course. S. O'Kane agrees. M. Fienup mentioned the course is changing from 4 to 3 hours, which in a sense weakens it more. G. Pohl added this topic is going to the Graduate Council. S. Morgan mentioned this was originally a 3 credit course and they changed it to 4 credits for in-service teachers to have a lab experience, since they de-coupled the astronomy class from the lab, they are also changing this course to from 4 to 3 credits. This course provides current in-service teachers with content they may have missed while obtaining a teaching degree in another field. The content is the same as the freshman level course, but the expectations are not freshman level. Based on the higher expectations it is appropriate for them to earn graduate credit. Any course that is a 5000 level must have a 3000 level course associated with it, and they don't have anyone taking the 3000 level course. P. Pease confirmed they don't normally offer this course at the undergraduate level. S. Morgan replied no, students would take the 1000 level course. P. Pease asked about changing this course to a 6000 level course. S. Morgan indicated the course was created before she started. P. Pease indicated UCC doesn't look at the graduate section of courses, he recommends the department discuss changing the course to a 6000 level. S. Riehl mentioned if this is truly for graduate students, then 6000 is the appropriate number. S. Morgan mentioned when we converted to the new numbering system, this course got labeled as a 3000/5000 level course. S. Morgan added they will pull this course, and next cycle will update all three fundamental courses to 6000 level courses. This proposal will be shredded.

EARTHSCI 3323: No discussion.

EARTHSCI 3336: S. Morgan spoke with the instructor of this course, and because he wants it to be a future general education course, they thought it would be better as a 3 credit course, since 2 credit courses wouldn't help the future general education models. It is currently proposed as 2 credits. S. Riehl asked if a 3000 level course be appropriate for general education. P. Pease asked if this course is in any program. S. Morgan indicated it would be an elective option in Earth Science and Earth Science Teaching majors. D. Grant added this may also be an elective in the Sustainability Certificate. M. Fienup asked if a 2 credit option is appropriate as an elective in the Earth Science majors. S. Morgan added the electives in their program range from 2-4 credits. S. Riehl asked if the instructor would teach a 3 hour course. S. Morgan replied yes. This course will be changed to 3 credits.

EARTHSCI-BA: M. Fienup mentioned he thought the Chemistry and/or Physics cognates were confusing. S. Morgan explained currently they take General Chemistry I and General Physics I, which doesn't appeal to Biology majors who want to double major. Talking with faculty they view Chemistry as more applicable than Physics to Earth Science majors. Students are more likely to take General Chemistry I and General Chemistry II. D. Wallace indicated it makes sense to her, but we can re-format it so it shows options and have them separated out if that would help clear it up. D. Wallace will re-format. M. Fienup asked about the footnote, could the statement go into the program. S. Morgan added it depends on how much text we want in the program, but less footnotes would be better. D. Wallace added she can move the footnote text into the electives section. S. O'Kane asked if the 100 should be 1000 in the footnote. D. Wallace clarified that references the old course numbers that are upper level, but she will remove the 100.

ENVIRASSESSMENT-MINOR: S. Riehl indicated PH 4580 is now PH 3740. M. Fienup added the asterisk can be dropped from PH 4580/3740 as the prerequisites have been changed. D. Wallace will delete the asterisk if the prerequisite is no longer relevant.

ENVSCI-BA: S. Riehl indicated there is a hidden prerequisite, EARTHSCI 3325 and EARTHSCI 3327 have a prerequisite of EARTHSCI 1320. S. Morgan indicated that is correct. S. Riehl added there just needs an asterisk added since they are elective options. S. Riehl asked about the sentence “courses approved by the department”. S. Morgan indicated there are students who transfer in courses, and those options could be approved as electives. P. Pease asked if it is important enough to have that in the list or if they can just do a substitution. S. Morgan added it alerts students to speak with them if they have taken other courses that could count. S. Riehl asked if it can say “other courses as approved by the department”. S. Morgan agrees with that. M. Fienup asked if the research and internship is intended to be 2 hours. S. Morgan added that is correct. D. Wallace will add asterisks on hidden prerequisites for EARTHSCI 3325 and EARTHSCI 3327, and will update text for “other courses as approved by the department”.

ENVSCI-BS: M. Fienup asked if the research requirement should be 3 hours. S. Morgan indicated yes. D. Wallace mentioned rather than listing the required core as 32, we will list the course credits next to each course to show research is 3 hours. S. Riehl added the double asterisk is confusing, it says the Biology prerequisite of BIOL 2052 is waived for 3000 level courses and BIOL 3140 is waived for 4000 level courses for Environmental Science BS majors, she thinks you should put the asterisk on the courses it applies to rather than on the courses themselves. For example, BIOL 4180 should have the double asterisk. M. Fienup asked if there should be 3 footnotes, to separate the 3000 level footnote and the 4000 level footnote. S. Riehl added there is a list of courses that have prerequisites, but they have all been waived for this major. S. Morgan indicated that is correct for the Biology courses. S. Riehl suggests removing those. S. Morgan indicated when we put this in a few years back they had to list the prerequisites. S. Riehl indicated now there is an agreement with the department to waive the prerequisites. She suggests adding the double asterisk to the courses with the waived prerequisites, and removing the prerequisites from the footnote. P. Pease indicated most courses have the prerequisites met by the waiver, or they prerequisite is in the required courses. He suggests department should work on the cleanup for this and work with D. Wallace.

HYDROLOGY-MINOR: No discussion.

Chair Pease called for a vote on the motion to approve the curriculum packet from the Department of Earth & Environmental Sciences, excluding shredded proposal EARTHSCI 3100 and pending edits discussed. The motion passed unanimously.

XI. Next meeting – Wednesday, October 14, 3:00pm via Zoom

Discussion of clean-up items.

P. Pease will dig up notes from the meeting regarding the BS degrees and get it back to the committee and come up with a plan on moving forward to get this information into the catalog.

The meeting adjourned at 4:53 pm.

XII. Items for Clean Up Meeting

- COMMBANK-CERT Commercial Banking Certificate (added)
- APPBUSCONCEPTS-CERT Applied Business Concepts Certificate (added) – tabled at September 2 meeting.
- DATAANALYSIS-CERT Data Analysis Certificate (added) – tabled at September 9 meeting.
- PUBADMIN-BA Public Administration Major (restatement) – tabled at September 9 meeting.
- PH 2160 Basic Medical Terminology (course title, course description) – tabled at September 16 meeting.
- PH 2180 Advanced Medical Terminology (added) – tabled at September 16 meeting.

- ENGLISH-MINOR English Minor (restatement) – tabled at September 30 meeting.
- BS CURRICULA-NARRATIVE Bachelor of Science Curricula (added) – tabled at October 7 meeting.

Respectfully submitted,

Rachelle Kidwell
Office of the Registrar

cc: UCC
GCCC
Guests
Record Analysts