Present: K. Basom, R. Christ, C. Christopher, M. Fienup, A. Gabriele, K. Martin, J. Morgan, C. Nedrow, M. Perry, G. Pohl, G. Rhineberger-Dunn, S. Riehl, V. Robinson, J. Smothers, D. Wallace

Absent: D. Heistad, J. Morrow, P. Pease

Guests: R. Campbell, M. Clayton, C. Curran, L. Escalada, J. Funderberg, L. Geisinger, A. Kashef, S. Morgan, L. Riedle, D. Saunders, E. Wallingford, J. Zhang

The meeting was called to order by Curran for Chair Pease at 3:00 p.m. in the Presidential Room, Maucker Union.

I. **Welcome and Introductions**
Curran welcomed all present. She noted that UCC Chair Pease was unable to make the meeting due to a conflict, so she would proxy for him. Introductions followed.

II. **Approval of Minutes**
Curran asked members to review UCC Minutes dated September 13, 2017.

Riehl noted that guest, M. Stalp's, name was misspelled in the minutes as M. Stahlp. Perry noted that this was already corrected in the minutes as M. Stalp emailed earlier that day.

Riehl moved, Pohl seconded to approve the corrected minutes. The motion was voted on; motion carried and corrected September 13, 2017 minutes were approved unanimously.

III. **Review of the CHAS-Sciences Curriculum Packet**

A. **SCI ED 3200 (dropped course) and SCI ED 3300 (substantive edit)**
J. Morgan moved, Fienup seconded to approve the SCI ED 3200 and SCI ED 3300 updates.

J. Morgan noted that these courses are first on the agenda because some of the programs listed on the Consent Agenda are dependent only on the approval of the drop of SCI ED 3200 and edit of SCI ED 3300.

‣ SCI ED 3200 *Current Technologies in Science Teaching* (dropped course)
‣ SCI ED 3300 *Orientation to Science Teaching* (substantive – credit hours, prerequisites)

Escalada noted that some of the content from SCI ED 3200 is being added to SCI ED 3300. He noted that this will help the programs to allow for more Classroom Management courses, which has been noted as more necessary.

Escalada noted that existing majors can do student requests or the department can encourage and recommend current majors to move to the new curriculum in order to satisfy any issues of students who are caught in the middle. Escalada noted that they will have to monitor the courses this current Spring that their Secondary Science Education Teaching majors take, so they can encourage their majors to take both SCI ED 3200 and SCI ED 3300 or neither of these courses next Spring semester. Additionally, Escalada noted that there is an Education Technology course within the College of Education that they have allowed their students to take in the past if necessary; he noted that there are alternatives for students in order to ensure that each student will be taken care.

Riehl noted that, in the past, the Math Department kept the same number for a course that has a content change and they had problems with determining whether students coming back had the old version of the course or the newer, updated version. She suggested that it may be important for a new course number to help determine that distinction for students. J. Morgan noted that they do not foresee that being too much of an issue because there will be a credit number increase, so it will be easier to determine which students have taken which course.

Gabriele applauded the Science Education Department for finding a way to include TEACHING 3129 without adding credit hours to their programs, because he believes it will be helpful for the students.

Gabriele questioned why TEACHING 3128 (Level II of the Professional Education Sequence) is not listed as a prerequisite for the new version of SCI ED 3300.

Escalada noted that students are advised not to take SCI ED 3300 until after they take their Level II's. Rhineberger-Dunn questioned whether all their students go for advising. Escalada noted that all their students are required to be advised. Gabriele questioned whether the department would be open to requiring Level IIs rather than Level Is as requisites for this course. Escalada noted that he would be in favor of that change being made. Christopher, in representation of Teacher Education, noted that he would also be in favor of this change.

The committee decided that as long as Christopher was on board with the change, the change to the requisite could be made at this level rather than having to go backwards, since this is consistent with how the program change was described in the curriculum proposals.

Gabriele moved, Fienup seconded to amend the curriculum proposal to edit SCI ED 3300 prerequisites to remove TEACHING 2017 and EDPSYCH 2030 and replace with TEACHING 3128.

Curran called for a vote on the amended motion to approve the drop of SCI ED 3200 and the edit to SCI ED 3300. The amended motion carried and drop of SCI ED 3200 and the edit to SCI ED 3300 were approved unanimously.

B. **Consent Agenda Items**
J. Morgan moved, Fienup seconded to approve the CHAS-Sciences Consent Agenda items. Curran asked whether any members of the committee would like to remove any proposals from the Consent Agenda.

Rhineberger-Dunn asked that EARTHSCI 3220 *Weather Analysis and Forecasting* be removed from the Consent Agenda and be discussed with the Department of Earth Science curriculum packet. Additionally, she noted that PHYSICS 4900 was originally listed as having a description change, but it only has a change in terms offered. Perry noted that she would update the minutes to reflect the appropriate change.

‣ Biology
   o BIOTCHG-BA *Biology Major – Teaching* (edited program)
   o BIOTCHG-MINOR *Biology Minor – Teaching* (edited program)
‣ Chemistry
   o CHEMTCHG-BA *Chemistry Major – Teaching* (edited program)
‣ Computer Science
   o COMPSCI-MINOR *Computer Science Minor* (edited program)
   o COMPSCINOTE-NOTE *Computer Science Note* (not a UCC matter)
   o CS 3540 *Programming Languages and Paradigms* (editorial – prerequisites, terms offered, offering frequency)
   o CS 4740 *Real-Time Embedded Systems* (editorial – credit hours, terms offered)
‣ Earth Science
   o EARTHSCITCH-BA *Earth Science Major – Teaching* (edited program)
   o EARTHSCI 3220 *Weather Analysis and Forecasting* (editorial – description)
‣ Physics
   o PHYSICSTCHG-BA *Physics Major – Teaching* (edited program)
   o PHYSICS 4900 *Thermodynamics and Statistical Mechanics* (editorial – terms offered)
‣ Science Education
   o ALLSCITCHG-BA *Comprehensive Secondary Science Teaching Major (Extended Program)* (edited program)
   o MIDJRHGSCITCHG-BA *Middle-Level Science Teaching Dual Major* (edited program)

- ‣ Technology
  - o TECH 1008 *Basic Manufacturing Processes* (editorial – title)
  - o TECH 1037 *Introduction to Circuits* (editorial – prerequisites)
  - o TECH 2060 *Fundamentals of Automated Manufacturing* (editorial – description)
  - o TECH 3144 *Web Publishing* (editorial – prerequisites, terms offered)
  - o TECH 3150 *Graphic Communications Imaging* (editorial – prerequisites)
  - o TECH 3169 *Digital Imaging* (editorial – prerequisites)
  - o TECH 4158 *Graphic Communications Technical Visualization* (editorial – prerequisites)
  - o TECH 4161 *Digital Graphic Communications* (editorial – prerequisites)
  - o TECH 4162 *Automation – Pneumatics and Hydraulics* (editorial – terms offered)
  - o TECH 4187 *Applied Industrial Supervision and Management* (editorial – prerequisites)

Curran called for a vote on the motion to approve the CHAS-Sciences Consent Agenda items. Motion carried and the CHAS-Sciences Consent Agenda items were approved unanimously.

C. **Department of Computer Science**
   J. Morgan moved, Fienup seconded to approve the Department of Computer Science curriculum packet..

- ‣ CS 1150 *Programming Environments for Elementary Education* (substantive – credit hours)
  Riehl noted that the increase in credit hours was requested by the Department of Mathematics. Riehl noted that this course's credit hour increase will affect the Math Minor, but they will be dropping a one-credit hour course in next year's curriculum cycle to offset the change.

Curran called for a vote on the motion to approve Department of Computer Science curriculum packet. Motion carried and the Department of Computer Science curriculum packet was approved unanimously.

D. **Department of Earth Science**
   J. Morgan moved, Fienup seconded to approve the Department of Earth Science curriculum packet.

- ‣ GEOLOGY-MINOR *Geology Minor* (edited program)
  S. Morgan noted that the Geology Minor is changing because EARTHSCI 3330 has a one-hour credit increase. She noted that the total number of credit hours (26-27) is the same as was originally proposed when this Geology Minor was created.

- ‣ EARTHSCI 3220 *Weather Analysis and Forecasting* (editorial – description)
  Rhinberger-Dunn questioned whether this course is the same course as was being taught 10 years ago, as an example, due to the difference between the old course description and the proposed. S. Morgan noted that the update to the description was to make the course description more specific, as the older course description was more general.

- ‣ EARTHSCI 3330 *Geomorphology* (substantive – credit hours, description)
  The committee did not recognize any issues with the edits to this course.

Curran called for a vote on the motion to approve the Department of Earth Science curriculum packet. Motion carried and the Department of Earth Science curriculum packet was approved unanimously.

E. **Department of Mathematics**
   J. Morgan moved, Fienup seconded to approve the Department of Mathematics curriculum packet.

- ‣ STATACTSCI-MINOR *Statistics and Actuarial Science Minor* (edited program)

Cambell noted that the edits make the minor more flexible and provide students with more guidance and a more meaningful core for both paths within the minor.

Perry will update the program to make sure the total hours are reflected appropriately for each course and requirement within the program.

Curran called for a vote on the motion to approve the Department of Mathematics curriculum packet. Motion carried and the Department of Mathematics curriculum packet was approved unanimously.

F. **Department of Technology**
   J. Morgan moved, Fienup seconded to approve the Department of Technology curriculum packet.

   ‣ CONSTMGMT-BS *Construction Management Major* (edited program)
   J. Morgan noted that there was discussion at the pre-meeting regarding MATH 1420 *Calculus I* being a requirement for TECH 3126, which is a required course in the major, and they are adding MATH 1150 *Calculus for Technology* as an option opposite MATH 1420. Riedle noted that TECH 3126 will be updated next curriculum cycle to edit the requisites to include either MATH 1420 or MATH 1150. Until then, they will do student requests for affected students who decide to take MATH 1150 rather than MATH 1420.

   Riehl noted that satisfactory ALEKS score requirements needed to be listed with an asterisk.

   Fienup noted as a comment that he would like to see Extended Majors be shortened to the size of a standard major.

   ‣ GRAPHTECH-BA *Graphic Technologies Major* (edited program)
   Rhineberger-Dunn noted that TECH 1022 is a prerequisite for TECH 3144. The department noted that the intention was to drop TECH 1022 from TECH 3144 and replace with junior standing.

   Perry can update TECH 3144 to reflect the removal of TECH 1022 as a prerequisite per department request.

   It was pointed out that the following sentence was listed in the narrative for the program: "Insert revised narrative paragraphs (See instructions for this question on last page)" and the committee questioned whether this had been done already or needed to be done. The department noted that this had been completed and that sentence could be removed. Perry will do this in clean-up of the program.

   ‣ GRAPHTECH-MINOR *Graphic Technologies Minor* (edited program)
   J. Morgan noted that required courses were removed and new electives were added in order to make the minor more flexible for students.

   ‣ MFGTECH-BS *Manufacturing Engineering Technology Major* (edited program)

   TECH 1017 appears to be listed as a required course, but has a 0-3 required span. The department noted that the course is required, but many students have background experience and they are willing to waive this course for students if they are proficient in Computer-Aided Design and Drafting. Riedle noted that this was discussed heavily when this part of the program was originally proposed, and it was more unusual for students to not be proficient.

   ‣ TECHMGMT-BA *Technology Management Major* (edited program)
   Fienup noted that this program, without revisions, is totaled as an extended program. Fienup noted that this program cannot exceed 62 hours (after double-counting) to be considered a standard program.

   The current proposal has the total hours of 73, and 7 of those double count with LAC, making it an extended program which is not allowed.

The department said they would be open to reducing the number of electives required to put this program below the 62 credit hours. The department noted they would like to reduce the number of Technical Electives required from 42 to 36 hours.

The committee questioned whether this needed to be reviewed by the CHAS Senate prior to being approved by UCC. Riehl noted that she believed that because all of the courses affected are Technology courses, and the Department of Technology is okay with the change, she did not feel as if it was necessary. The committee agreed.

Rhineberger-Dunn noted that the STAT course needs to be updated to note that a satisfactory ALEKS score is required by using an asterisk.

‣ TECH 1012 *ePortfolio Development & Industry Exploration* (added course)
Rhineberger-Dunn noted that this course came out of the Academic Program Review. Geisinger noted that this also came out of the Advisory Council as a suggested course.

Pohl questioned whether there was enough information provided by the department for this course. Fienup noted that while he agrees the information is weak, he feels as if it is minimally acceptable.

Gabriele questioned whether there was a similar course offered in another department that we are duplicating. Rhineberger-Dunn noted that ePortfolio is a common tool used amongst various departments on campus, but the course is targeted toward the specific discipline.

‣ TECH 1065 *Technology in Society and Organizations* (dropped course)
Curran confirmed that this course is a dropped course and is not listed in any majors.

‣ TECH 2119 *Computer Applications in Technology* (substantive – course number)
Curran confirmed that this course is a course number change.

J. Morgan noted that this course has a prerequisite of sophomore standing, but in the justification it states, "This course is better suited as a freshman/sophomore level course." Riedle confirmed that the department would like to remove "sophomore standing" as a prerequisite. Perry confirmed she will make that update.

‣ TECH 3065 *Technology and Organizational Efficiency* (added course)
Martin noted that they do not have record have consultation at the Library, but she looked at the proposal and does not have any issues that require consultation.

Rhineberger-Dunn questioned whether the syllabus had been updated since offered as TECH 1065. Kashef noted that the syllabus was completely re-done to suit TECH 3065.

‣ TECH 3115 *Fundamentals of Electrical and Electronic Technology* (dropped course)
Curran confirmed that this course is a dropped course and is not listed in any majors.

‣ TECH 3177 *Advanced Manufacturing Processes* (substantive – description)
Riedle noted that the content of this course was being updated as part of the program review.

‣ TECH 4093 *Graphic Communications Estimating and Management I* (substantive – course number, description, prerequisites)
Riedle noted that they are trying to get students to take the courses in the appropriate sequence, so that is why they updated the number as well as the prerequisite for this course.

‣ TECH 4112 *Industrial Projects I* (dropped course)
Curran confirmed that this course is a dropped course and, with TECH 4113, was replaced by TECH 4210.

- TECH 4113 *Industrial Projects II* (dropped course)
  Curran confirmed that this course is a dropped course and, with TECH 4112, was replaced by TECH 4210.

- TECH 4174 *Senior Design I* (substantive – prerequisites)
  Morgan questioned what the statement, "Must register for TECH 4176 in spring semester" in the description meant. Riedle noted that this comment is used as an advisement tool, and Perry confirmed that this is not enforced through the Office of the Registrar.

- TECH 4193 *Graphic Communication Estimating and Management II* (substantive – prerequisites)
  J. Morgan noted that the department could just list TECH 4093 because TECH 4093 lists TECH 1055 and TECH 2119 as prerequisites, rather than listing all three courses as prerequisites for TECH 4193. Perry will work with the department to determine what they would like to list as prerequisites for this course.

- TECH 4210 *Manufacturing Senior Projects* (added course)
  Riedle noted that there was a question that arose from the pre-meeting regarding the prerequisites, corequiste(s), and prerequisite(s) or corequisite(s) fields for TECH 4210. The department confirmed they want the prerequisite to be senior standing and 54 semester hours completed in major technical core and concentration or consent of instructor, and TECH 4110 should be listed as a prerequisite or corequisite.

  Martin noted that they do not have record of consultation at the Library, but she looked at the proposal and does not have any issues that require consultation.

Curran called for a vote on the motion to approve the Department of Technology curriculum packet. Motion carried and the Department of Technology curriculum packet was approved unanimously.

Curran stated the next meeting would be **3:00 p.m. September 27** in **Presidential Room, Maucker Union**, at which time the CHAS-Humanities curriculum packet will be reviewed.

The meeting adjourned at 4:56 p.m.

Respectfully submitted,

Megan Perry
Office of the Registrar

mabp
cc: UCC
        GCCC
        Guests