

**MINUTES OF**  
**UNIVERSITY COMMITTEE ON CURRICULA**  
**September 28, 2022**

**Present:** N. Bird, C. Christopher, M. Fienup, G. Gould, D. Grant, M. Hecimovich, B. Kanago, R. Kidwell, C. Nedrow, P. Pease, H. Porter-Occena, S. Riehl, A. Schmiesing, J. Schraffenberger, D. Shaw, B. Warby

**Absent:** J. Ophus, M. Perry

**Guests:** M. Clayton, L. Escalada, B. Harwood, L. Riedle, P. Shand, T. Spradling, E. Wallingford, C. Weeks, J. Zhang

The meeting was called to order by Chair Pease at 3:00 p.m. Presidential Room

**I. Welcome**

Chair Pease welcomed all present.

**II. Approval of Minutes – September 21, 2022**

S. Riehl motioned, N. Bird seconded, to approve the September 21, 2022 minutes.

Chair Pease asked if there were any corrections or additions to the minutes. There were none.

**Chair Pease called for a vote on the September 21 minutes. Motion passed unanimously.**

**III. Curriculum review procedures for Consent Agenda in the College of Humanities, Arts and Sciences – Sciences**

S. Riehl motioned, N. Bird seconded, to approve the consent agenda in the College of Humanities, Arts, and Sciences - Sciences.

**Agenda Items – Programs**

- BIOECOevo-BA: Biology Major: Ecology, Evolution and Organismal Biology Emphasis (edited)
- BIOLOGY-BA: Biology Major (edited)
- BIOLOGY-BS: Biology Major (edited)
- BIOMED-BA: Biology Major: Biomedical Emphasis (edited)
- ASTRONOMY-Minor: Astronomy Minor (edited)
- MATHTCHG-BA: Mathematics Major – Teaching (edited)

**Agenda Items – Courses**

- TECH 2020: Communication Systems (deleted)
- TECH 3160: Computer-Aided Instrumentation and Interfacing (edited)
- TECH 3180: Lean and Sustainable Operations (edited)
- TECH TEE 3030: Robotics and Sensors (edited)
- BIOL 3190: Undergraduate Research in Biology (edited)
- CHEM 3600: Undergraduate Research in Chemistry (edited)
- CHEM 4220: Organic Structure Analysis (edited)
- CHEM 4440: Physical Chemistry Laboratory (edited)
- CHEM 4650: Corporate Chemistry (deleted)
- CS 1520: Data Structures (edited)
- CS 3750: Software Verification and Validation (edited)
- EARTHSCI 1110: Astronomy Laboratory (edited)
- EARTHSCI 3120: Planets (edited)

- EARTHSCI 3130: Stars (deleted)
- EARTHSCI 3140: Galaxies and Cosmology (deleted)
- EARTHSCI 3310: Structural Geology (deleted)
- EARTHSCI 3328: Fossils and Evolution (deleted)
- MATH 2303: Introduction to Teaching Secondary Mathematics (edited)
- MATH 2313: Topics in Secondary Mathematics (edited)
- MATH 3211: Algebra (edited)
- MATH 3212: Introduction to Geometry and Measurement for Elementary Teachers (edited)
- MATH 3213: Topics in Mathematics for Grades K-8 (edited)
- MATH 3214: Problem Solving in Mathematics for Elementary Teachers (edited)
- MATH 3215: Mathematics for Elementary Students with Special Needs (deleted)
- MATH 3304: The Teaching of Secondary Mathematics (edited)
- MATH 3305: Connections: University Mathematics and the Secondary Curriculum (edited)
- PHYSICS 3030: Robotics and Sensors (edited)
- PHYSICS 4600: Classical Mechanics (edited)
- PHYSICS 4750: Physics of Modern Materials (edited)
- SCI ED 1600: Exploring Science Teaching (deleted)

**Chair Pease called for a vote on the motion to approve the consent agenda proposals in the College of Humanities, Arts and Sciences - Sciences. The motion passed unanimously.**

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

S. Riehl motioned, N. Bird seconded, to approve the curriculum packet in the Department of Biology.

##### **Agenda Items – Courses**

- BIOL 4130: Genetic Technologies in Medicine (added)

New course. No concerns.

**Chair Pease called for a vote on the motion to approve the curriculum packet in the Department of Biology. The motion passed unanimously.**

#### **V. Curriculum review procedures for the curriculum proposals in the Department of Chemistry & Biochemistry**

S. Riehl motioned, N. Bird seconded, to approve the curriculum packet in the Department of Chemistry & Biochemistry.

##### **Agenda Items – Courses**

- CHEM 1012: Matter Matters (added)

C. Weeks shared this course is currently being taught as an experimental course. No concerns.

**Chair Pease called for a vote on the motion to approve the curriculum packet in the Department of Chemistry & Biochemistry. The motion passed unanimously.**

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

S. Riehl motioned, N. Bird seconded, to approve the curriculum packet in the Department of Computer Science.

##### **Agenda Items - Courses**

- CS 1170: Introductory Programming for Data Sciences (added)

New course. No concerns.

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

**VII. Curriculum review procedures for the curriculum proposals in the Department of Earth & Environmental Sciences**

S. Riehl motioned, N. Bird seconded, to approve the curriculum packet in the Department of Earth & Environmental Sciences.

**Agenda Items – Courses**

- EARTHSCI 1405: Environmental Earth Science Laboratory (added)

B. Kanago shared this is a one-hour UNIFI course. J. Schraffenberger explained this course is attached to the three-hour course, EARTHSCI 1400. The courses were split for scheduling purposes.

- EARTHSCI 3135: Stars, Galaxies and the Universe (added)

New course. No concerns.

- ENV SCI 4665: Environmental Health Science (deleted)
- ENV SCI 4666: Environmental and Occupational Health Regulations (deleted)

S. Riehl shared these two courses are cross-listed with PH 3710 and PH 3720 course. ENV SCI 4665 and ENV SCI 4666 are required courses in the Earth & Environmental Science majors. S. Riehl asked if S. Morgan has a plan since the Department of Public Health will be offering PH 3710 and PH 3720 less often. R. Kidwell shared S. Morgan wasn't aware of the frequency changes. She is not concerned because they do substitute courses quite often.

**Chair Pease called for a vote on the motion to approve the curriculum packet in the Department of Earth & Environmental Sciences. The motion passed unanimously.**

**VIII. Curriculum review procedures for the curriculum proposals in the Department of Mathematics**

S. Riehl motioned, N. Bird seconded, to approve the curriculum packet in the Department of Mathematics.

**Agenda Items – Courses**

- STAT 1780: Introduction to Data Science (added)

New course. No concerns.

**Chair Pease called for a vote on the motion to approve the curriculum packet in the Department of Mathematics. The motion passed unanimously.**

**IX. Curriculum review procedures for the curriculum proposals in the Department of Physics**

S. Riehl motioned, N. Bird seconded, to approve the curriculum packet in the Department of Physics.

**Agenda Items – Courses**

- PHYSICS 4060: Mechanics for Physics Education (added)
- PHYSICS 4070: Electricity and Magnetism for Physics Education (added)

M. Fienup is concerned new courses, not just the PHYSICS courses, are taught using undergraduate content but give graduate credit. P. Shand explained these courses are Physics Education courses. The level of physics content is appropriate.

S. Riehl asked if they want to include how the course will be taught in the course description. P. Shand explained the courses are intended for practicing teachers and in some cases the students cannot make it to campus. R. Kidwell asked if the wording “and features one week of on-campus laboratory experiences, followed by three weeks of online course meetings focused on pedagogical discussion” can be removed from the course description for both PHYSICS 4060 and PHYSICS 4070. P. Shand replied yes.

- PHYSICS 4650: The Science of Energy Sources (added)

New course. No concerns.

**Chair Pease called for a vote on the motion to approve the curriculum packet in the Department of Physics. The motion passed unanimously.**

## **X. Curriculum review procedures for the curriculum proposals in the Department of Applied Engineering & Technical Management**

S. Riehl motioned, N. Bird seconded, to approve the curriculum packet in the Department of Applied Engineering & Technical Management.

### **Agenda Items – Programs**

- TECHEDTCHG-BS: Technology and Engineering Education Major-Teaching (edited)

R. Kidwell asked if TECH TEE 3030 should be put back in the required courses. L. Riedle replied yes. S. Riehl said the total number of hours for this program add up to less than the required 126. L. Riedle replied students know they have to complete 126 hours. Students will take additional electives in order to reach the 126 total hours.

- TECHMGMT-BA: Technology Management Major (edited)

S. Riehl shared an elective course, TECH 2119, was moved to the core courses. This increases the program three credit hours. L. Riedle said the number of electives should be changed to 33 instead of 36. R. Kidwell will make that edit.

- TECHMGMT-CERT: Technology Management Certificate (edited)
- TECHMGMT-MINOR: Technology Management Minor (edited)

S. Riehl said the certificate and minor programs are identical. There should not be two identical programs with two different outcomes. L. Riedle said the certificate is steered towards international opportunities and non-degree students. S. Riehl said the minor should then be eliminated and just offer the certificate. R. Kidwell asked if they want to add an additional requirement to the minor to make it different. L. Riedle replied no. Chair Pease asked if the certificate can be coded as a non-degree status. R. Kidwell said we currently cannot code it so only non-degree students can earn the certificate. She asked if a degree-seeking student can earn the certificate. L. Riedle yes. B. Warby asked if the certificate and minor would both be listed on the transcript. R. Kidwell said a student should receive both the certificate and minor if the requirements are the same, but that’s not standard practice. M. Fienup said the recommendation is to drop the minor. L. Riedle said of the two, the minor could be dropped. There is more potential for enrollment with the certificate. M. Clayton said dropping the minor seems to be the simplest solution. L. Riedle agreed. R. Kidwell said students working on the minor can still finish the minor. Chair Pease said we could approve the certificate as written and the minor be deleted. L. Riedle would like to discuss this issue with the faculty. Chair Pease said if the minor proposal can be shredded or if the minor should be dropped, just let C. Nedrow know. If they re-write the minor, the proposal will be moved to the cleanup meeting.

**Chair Pease called for a vote on the motion to approve the curriculum packet in the Department of Applied Engineering & Technical Management. The motion passed unanimously.**

**XI. Next meeting – Wednesday, October 5, 3:00 pm, Presidential Room**

Discussion of Clean-up Items

3:00 pm – Clean-up Items

**XII. Items for Clean Up Meeting**

- INNLDRSHIP-FICERT: Innovation in Leadership (added)
- UNIV 3003 Study Abroad – Human Condition – Global emphasis (new)
- BUSTEACH 3191: Advanced Curriculum and Methods for Business Education (edited)
- SOCWORK-BSW: Social Work Major (edited)
- SW 2001: Preparation for Field Instruction (added)
- SW 4200: Field Instruction (edited)
- COMM-BA: Communication Major (Liberal Arts) (edited)
- COMMPR-BA: Communication/Public Relations Major (edited)
- COMMPR-Minor: Communication/Public Relations Minor (edited)
- COMMST-Minor: Communication Minor (edited)
- COMMTHEATCHG-BA: Communication-Theatre Major-Teaching (edited)
- TECHMGMT-MINOR: Technology Management Minor (edited)

The meeting adjourned at 3:35 p.m.

Respectfully submitted,

April Schmiesing  
Office of the Registrar

cc: UCC  
GCCC  
Guests  
Record Analysts