

**MINUTES OF  
GRADUATE COLLEGE COMMITTEE ON CURRICULA**

**September 18, 2017**

Present: T. Abebe, R. Al-Mabuk, D. Cyphert, B. Forsyth, S. Moore, G. Olivares, S. Onken, M. Perry, A. Petersen, G. Pohl, J. Smothers, E. Sutton, D. Wallace

Absent:

Guests: S. Morgan, L. Riedle

The meeting was called to order by Chair Gabriela Olivares at 10:00 a.m. in Lang 115.

**I. Welcome and Introductions**

GCCC Chair Olivares welcomed all present. Introductions followed.

**II. Approval of Minutes**

Chair Olivares asked members to review GCCC Minutes dated September 11, 2017.

Onken moved, Forsyth seconded to approve minutes. The motion was voted on; motion carried and September 11, 2017, minutes were approved unanimously.

**III. Curriculum Review Procedures for CHAS-Sciences Curriculum Proposals**

**A. Consent Agenda Items**

Chair Olivares asked if any members of the committee would like to have any items from the Consent Agenda removed for further discussion. There were no changes made.

- Earth Science
  - EARTHSCI 3220/5220 *Weather Analysis and Forecasting* (editorial – description)
- Physics
  - PHYSICS 4900/5900 *Thermodynamics and Statistical Mechanics* (editorial – terms offered)
- Technology
  - TECH 3150/5150 *Graphic Communications Imaging* (editorial – prerequisites)
  - TECH 3177 *Advanced Manufacturing Process* (editorial – remove 5000-level, description)
  - TECH 4158/5158 *Graphic Communications Technical Visualization* (editorial – prerequisites)
  - TECH 4161/5161 *Digital Graphic Communications* (editorial – prerequisites)
  - TECH 4187/5187 *Applied Industrial Supervision and Management* (editorial – prerequisites)
  - TECH 6100 *Engineering Cost Analysis* (editorial – terms offered)
  - TECH 6200 *Industrial Technology Concepts and Issues* (dropped course)
  - TECH 6231 *Thermodynamics of Material Processing* (editorial – terms offered)
  - TECH 6235 *Material Transformations and Modeling* (editorial – terms offered)
  - TECH 6262 *Sustainable/Green Building Construction* (dropped course)
  - TECH 6283 *Research Prospectus Seminar* (dropped course)
  - TECH 6300 *Advanced Technological Project Management for Engineering and Technology* (dropped course)

**Abebe moved, Onken seconded to approve the items on the consent agenda. Chair Olivares called for a vote on the motion to approve the Consent Agenda. Motion carried and the Consent Agenda items were approved unanimously.**

## **B. Department of Earth Science**

Abebe moved, Onken seconded to approve the Department of Earth Science curriculum packet. Olivares called for discussion.

- EARTHSCI 3330/5330 *Geomorphology* (substantive – credit hours)  
Morgan provided an overview of the edits within this course. She noted that this course has recently begun being taught by a new faculty member, and that faculty member felt that there needed to be more contact hours with students for them to get the full content of this course, so they are proposing to increase their contact to 3 periods of discussion and 2 periods of lab; this will increase the credit hours for this course from 3 credits to 4 credits.

Morgan additionally noted that this course is rarely taken by graduate students, and is not required in any graduate programs.

**Chair Olivares 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.**

## **C. Department of Computer Science, Department of Science and Science Education, Department of Technology**

Abebe moved, Onken seconded to approve the remainder of the courses in the Department of Computer Science curriculum packet, the Department of Science and Science Education curriculum packet, and the Department of Technology curriculum packet. Olivares called for discussion.

- CS 4740/5740 *Real-Time Embedded Systems* (substantive – credit hours, terms offered)  
Olivares noted that the department is proposing to change this course from 4 credit hours to 3 credit hours to align this course with consistent project courses.

Onken noted that a representative from Computer Science was in attendance at the pre-meeting and there were no issues seen at the pre-meeting.

- SCI ED 3300/5300 *Orientation to Science Teaching* (substantive – credit hours, description)  
Onken noted that this course was discussed at the pre-meeting and originally shredded because those present at the pre-meeting did not realize that SCI ED 3200 was dropped at the undergraduate level, and it does not have a graduate course.

Olivares noted that this course is being increased by one credit hour.

Cyphert noted that this course does not impact many graduate students

- TECH 4093/5093 *Graphic Communications Estimating and Management I* (substantive – description, prerequisites)  
Riedle noted that the course number was just being updated to reflect the appropriate sequencing.

Moore questioned whether the library had been consulted on for this course and noted that there were no consultations attached. Riedle noted that they had been sent and responded to, and Riedle noted that she would send the consultations to Perry to be attached to the proposal.

**Chair Olivares called for a vote on the motion to approve the Department of Computer Science curriculum packet, Department of Science and Science Education curriculum packet, and Department of Technology curriculum packet. Motion carried and the Department of Computer Science curriculum packet, the Department of Science and Science Education curriculum packet, and the Department of Technology curriculum packet were approved unanimously.**

Chair Olivares stated the next meeting would be **10:00 a.m., September 25 in Lang 115**, at which time the CHAS-Humanities curriculum packet will be reviewed.

The meeting adjourned at 10:34 a.m.

Respectfully submitted,

Megan Perry  
Office of the Registrar

mabp

cc: UCC  
GCCC  
Guests