

**MINUTES OF  
GRADUATE COLLEGE COMMITTEE ON CURRICULA**

**September 27, 2016**

Present: T. Abebe, S. Alborn-Yilek, B. Cutter, D. Cyphert, B. Forsyth, S. Golitsynskiy, S. Onken, G. Pohl, M. Timmerman, D. Wallace, M. Wheeler

Absent: P. Mackay, S. Moore, L. Terlip, P. Welter

Guests: D. Mupasiri, L. Riedle, I. Simet, C. Weeks

The meeting was called to order by Chair Barbara Cutter at 2:00 p.m. in Lang 115.

**I. Welcome and Introductions**

GCCC Chair Cutter welcomed all present. Introductions followed.

**II. Approval of Minutes**

Chair Cutter asked members to review GCCC Minutes dated September 20, 2016.

Pohl moved, Onken seconded to approve minutes.

Onken requested that clarification be added to Section IV to say that, "Department representatives should come to the meetings prepared to discuss all changes."

Approved the minutes amending the fore-mentioned statement. The motion was voted on; motion carried and September 20, 2016, minutes were approved unanimously.

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

**A. Department of Chemistry & Biochemistry**

Abebe moved, Cyphert seconded to approve the Department of Chemistry & Biochemistry curriculum proposals. Cutter called for discussion.

- › CHEM 4200/5200 *Nanoscience* (edited course)
- › CHEM 4210/5210 *Nanotechnology* (edited course)  
CHEM 4210/5210 needs to be changed from editorial to substantive.

Abebe noted that these two courses are "same as" courses with PHYSICS, so the courses have to change the same way. PHYSICS has completed a consultation agreeing that those changes can be made, so Wheeler will upload to LeapFrog.

Wheeler will submit the same changes to both PHYSICS 4200/5200 and 4210/5210 so they match the CHEM proposals.

Simet noted that there were changes to the pre-requisites, and it was just an error that the prerequisites or co-requisites field was filled out as well.

Cutter questioned whether there would be any students who will be caught in-between these changes. Simet confirmed that the changes made to these courses would not cause any problems for students that have already taken CHEM 4200/5200 but have not taken CHEM 4210/5210.

- › CHEM 4220/5220 *Organic Structure Analysis* (edited course)
- › CHEM 4310/5310 *Instrumental Analysis* (edited course)

Cutter questioned whether the group is in agreement that these two courses are editorial, and if so, there needs to be no discussion. The group agreed that these two courses are editorial.

**Chair Cutter called for a vote on the motion to approve the Department of Chemistry & Biochemistry curriculum changes. Motion carried and the curriculum packet was approved unanimously.**

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

Abebe moved, Cyphert seconded to approve the Department of Earth Science curriculum proposals. Cutter called for discussion.

- EARTHSCI 3327/5327 *Paleoclimatology* (added course)  
Abebe noted that the Department of Geography was consulted back in February, but they had not received it back. Morgan noted to Abebe prior to the meeting that she will follow up with Geography.
- EARTHSCI 3340/5340 *Oceanography* (edited course)  
The group agreed that this course was editorial and did not need to be discussed.

**Chair Cutter called for a vote on the motion to approve the Department of Earth Science curriculum changes pending a consultation with no objections from the Department of Geography for EARTHSCI 3327/5327. Motion carried and the curriculum packet was approved unanimously.**

## **C. Department of Mathematics**

Abebe moved, Cyphert seconded to approve the Department of Mathematics curriculum proposals. Cutter called for discussion.

- ACTSCI 4739/5739 *Topics in Actuarial Science* (edited course)
- MATH 3212/5212 *Introduction to Geometry and Measurement for Elementary Teachers* (edited course)
- MATH 3213/5213 *Topics in Mathematics for Grades K-8* (edited course)
- MATH 3410/5410 *Dynamical Systems: Chaos Theory and Fractals* (edited course)
- MATH 3425/5425 *Differential Equations* (edited course)
- MATH 3600/5600 *Euclidean Geometry* (edited course)
- MATH 4460/5460 *Introduction to Complex Analysis* (edited course)
- MATH 4641/5641 *Topology I* (edited course)
- STAT 3771/5771 *Applied Statistical Methods for Research* (edited course)
- STAT 4772/5772 *Introduction to Mathematical Statistics* (edited course)
- STAT 4773/5773 *Design and Analysis of Experiments* (edited course)  
The above courses are listed as editorial, and therefore, do not need to be discussed.
- MATH 4500/5500 *Modern Algebra I* (edited course)
- MATH 4501/5501 *Modern Algebra II* (edited course)  
Mupasiri noted that the content was shuffled in order to benefit teacher education students who are only required to take MATH 4500/5500, and altering the content between these two courses does not affect UNI's mathematics majors. Mupasiri also noted that students would not be affected if they had previously taken MATH 4500/5500 and had not taken MATH 4501/5501 or vice versa.
- MATH 4510/5510 *Elementary Number Theory* (edited course)  
Can be considered editorial at the graduate level, because the change in pre-requisites does not affect graduate students.
- STAT 3775/5775 *Introduction to Mathematical Statistics* (edited course)  
Can be considered editorial at the graduate level, because the change in pre-requisites does not affect graduate students.

**Chair Cutter called for a vote on the motion to approve the Department of Mathematics curriculum changes amending MATH 4510/5510 and STAT 3775/5775 to be considered editorial at the graduate level. Motion carried and the curriculum packet was approved unanimously.**

**D. Department of Technology**

Abebe moved, Cyphert seconded to approve the Department of Technology curriculum proposals. Cutter called for discussion.

- ADVTECH-CERTGR *Advanced Technology Certificate* (deleted program)  
Riedle noted that the courses in the certificate were dropped in the past, so there will be no students affected by the dropping of this certificate.
- TECH 3024/5024 *Advanced CAD and Modeling* (edited course)  
This change is editorial, and therefore, does not need to be discussed.
- TECH 3121/5121 *Applied Technology Systems* (edited course)
- Can be considered editorial at the graduate level, because the change in pre-requisites does not affect graduate students. Therefore, this change did not need to be discussed.
- TECH 3157/5157 *Microcontroller Applications* (edited course)  
Can be considered editorial at the graduate level, because the change in pre-requisites does not affect graduate students. Therefore, this change did not need to be discussed.
- TECH 6282 *Technology Seminar* (edited course)  
There was discussion – Riedle noted that students should only be able to repeat this course up to three hours, not an unlimited amount. Wallace noted that we would replace the current statement to match “May be repeated for a maximum of 3 hours”

**Chair Cutter called for a vote on the motion to approve the Department of Technology curriculum changes amending TECH 3121/5121 and TECH 3157/5157. Motion carried and the curriculum packet was approved unanimously.**

Chair Cutter stated the next meeting would be **2:00 p.m., October 4, in Lang 115**, at which time the COE curriculum packet will be reviewed.

The meeting adjourned at 2:55 p.m.

Respectfully submitted,

Megan Wheeler  
Office of the Registrar

mabw

Cc: UCC  
GCCC  
Guests