

MINUTES

University Undergraduate Curriculum Committee

December 7, 2022 at 3:00 p.m. - Webex

Present: Laurie Couch, Chair; Ignacio Birriel, guest (PHYS); Nettie Brock; Pamela Colyer; Noah Cooley, Student; Steven Crites; Mike Dobranski; Heba Elgazzar; Julia Hypes; Fei Jia; Nilesh Joshi, guest (BSEM); Zachary Lee; David Long; Kerry Murphy; Austin Music, Student; Tina Lenaa Stevens; Wesley White; Donna Besant, Recorder

I. MINUTES:

- November 16, 2022
Motion for approval of minutes as written was made by Nettie Brock and seconded by Julia Hypes. All in favor, motion carried.
- UAR 143 Update
Dr. Couch gave an update about the routing of the updated policy regarding the 50% rule. The policy will be implemented after all formal signatures are acquired, expecting to begin in January 2023.

Meeting Agenda was amended by groups to conserve time.

II. PROPOSALS (in order of review):

NEW OR MAJOR REVISION OF PROGRAMS & PROGRAM DELETION:

- **Major Program Revision BSEM**

This proposal will merge the B.S. in Engineering Management (BSEM) and the B.S. in Technology Management (BSTM) programs into one program. The standalone BSTM program will be terminated. Condensing the programs into one will foster a concentrated effort to better focus within limited department resources on a few key degree programs of importance for the future. Motion to accept proposal was made by Steve Crites and seconded by Zachary Lee. No abstentions. All in favor; motion carried. The proposal will be forwarded to the Provost for final approval.

- **Program Deletion BSTM**

The department is deleting the stand-alone B.S. in the Technology Management program, and instead merging this program with the B.S. in Engineering Management program. Noah Cooley made a motion to accept the deletion in light of the merger. Steve Crites seconded the motion. No abstentions. All in favor; motion carried. Laurie Couch asked Nilesh Joshi to meet with her to create the Teach Out plan. The proposal will be forwarded to the Provost for final approval after a Teach Out plan is in place.

- **Major Revision of a Minor Health Minor**

The proposal is addressing the minor electives as a result of a "clean up" of available courses in Health Promotion. The following elective courses are affected while there are no changes proposed to the required core. Adding: HLTH 310; HLTH 480; HLTH 477; and deleting HLTH 475. The proposal incorrectly stated that this effect will take place in January 2023. Steve Crites made a motion to approve proposal with the correction of effective date. Nettie Brock seconded his motion. No abstentions. All in favor; motion passed. Correction will be made to state effective date as August 2023 prior to forwarding to Provost for final approval.

NEW OR MAJOR REVISION OF COURSES & COURSE DELETIONS:

Ignacio Birriel provided history and explanation of the course revisions. After seeking similar college graduate programs outside of MSU and alumni via a survey in 2019 revision were proposed to several courses. The revisions were borne from the idea to make sure that students were learning what they needed for the workforce and not falling behind or deficient. To consolidate and streamline the advancement of learning, additional revisions and new courses are proposed. In addition to Physics courses there are two new courses proposed for the Astrophysics Track. The Astrophysics Track is overhauling and consolidating to a reasonable course load to mirror what is happening on a national level.:

- **Major Revision Course PHYS 332**

The goal of this course revision is to reduce the credit hours by one but advance the students understanding of a previous course. Noah made a motion to accept revision with a second by Julia Hypes. Zachary Lee abstained. Remainder in favor; motion passed. This proposal will be forwarded to the Provost for final approval.

- **New Course ASTR 303**

New course is part of a larger revision to the astrophysics program that builds on a solid grounding in physics.

- **New Course ASTR 325**

This course is part of a larger revision to the astrophysics program course offerings to allow the students to have more free electives in physics and mathematics.

- **New Course PHYS 333**

This required course is a continuation of a focused study started in PHYS 332.

- **New Course PHYS 417**

This course will give our Physics Major (Applied Physics Track) B.S. degree an advanced course in the ideas of applied quantum mechanics.

- **New Course PHYS 483**

This new course will cover topics in a more depth and mathematical level more appropriate to students preparing for graduate school and/or employment in science and engineering fields.

- **New Course PHYS 497**

Increases course credit hours.

- **New Course PHYS 498**

Increases course credit hours.

After review, discussion ensued. Noah Cooley asked what distinguishes the physics' math courses that offer similar topics to MATH 375. He said there is a lot of overlap in what is covered. Ignacio addressed his concern by saying that the topics go further beyond peripheral and introductory meaning to learning how math applies to physics. All 7 new courses were considered a block for a motion to approve made by Julia Hypes and seconded by David Long. Zachary Lee and Noah Cooley abstained from voting. Remainder of committee was in favor; motion passed. The new course proposals will be forwarded to the Provost for final approval.

DELETION OF COURSES:

- **Course Deletion PHYS 391**

- **Course Deletion PHYS 481**

A motion was made by Steve Crites to accept the two deletions as a block. This was seconded by Nettie Brock. Zachary Lee abstained. Remainder of committee in approval; motion carried. The two proposals will be forwarded to the Provost for final approval.

NEW OR MAJOR REVISION OF PROGRAMS:

- **Major Revision of BS Physics Area**

- **Major Revision of BS Physics Major**

In order to make the changes to the Physics' courses a major revision was completed for both of these programs for Area and Major. Kerry Murphy noted that Math 175 can be a specified requirement and can be spelled out for the course, but that CHEM 111 should be built into the core classes. Additionally, it was noted that there are outdated numbers listed for two of the MSU Teach courses. MSUTeach 350 is now UTeach 410, and UTeach 400 is now UTeach 360. David Long made a motion to accept the major revisions as a block and approve. Julia Hypes seconded the motion. Zachary Lee abstained. Remainder of the committee was in favor; motion carried. After changes are made to the proposals according to the above, proposals will be forwarded to the Provost for final approval.

III. NEW BUSINESS

With no new business to discuss, meeting was adjourned.

NEXT SCHEDULED MEETING: December 14, 2022 at 3pm via Webex