

Undergraduates Affairs Committee
Tuesday, September 11, 2007
12noon Conference Room

Present:

Balogh, Bergvelt, Green, Hildebrand, Ivanov, Miles, Szuta, Tolman

Bergvelt was elected Secretary for this meeting.

Brief discussion of some major topics for the UAC this semester

- Book for Math 241, Calc III.
- Change in Calc III causes a problem for transfer students. Proposal to require 1 credit hour on-line course covering Green, Stokes, Div thms. This would be a new course, requiring approval from Campus.
- The department needs to provide two members for a committee (with 5 engineering faculty) to revise the Calc I (Math 221) for engineers.

Minor items:

- The Course Catalog mentions for some prerequisites "or equivalent or consent of instructor", for others just lists the required courses. It is proposed to make the course catalog consistent. In what way will be decided later.
- Math 402 has Math 347 as prerequisite, but Math 403 not. It was **voted** to make Math 347, or equivalent or consent of instructor prerequisite for Math 403.
- The EC forwarded to the UAC the conclusions of the Teaching Improvement Committee for comment/action.
- The UAC **voted** to approve in principle the position of "Course Steward" for (some) Math courses. Further discussion of details of implementation will follow.
- There was discussion of the large lecture sections, in particular on supervision of TAs, scheduling and general guidelines for instructors. Definite decisions postponed until Muncaster is able to give his input.

Respectfully submitted:
Maarten Bergvelt

Undergraduates Affairs Committee
Tuesday, September 18, 2007
12noon Conference Room

Present:

Bergvelt, Furedi, Green, Hildebrand, Ivanov, Miles, Muncaster,
Szuta, Tolman, Uhl

- Muncaster reports on discussions with the publisher about the custom version of the textbook for Math 385, Introduction to Differential Equations. Decision postponed until some issues are clarified with the publisher.
- Discussion on the textbook for Math 241. A motion to let Muncaster choose a committee consisting of 4 or 5 faculty members and 1 graduate student to select a book was **approved**.
- Discussion on Engineering Calculus. Motion **approved** to delegate Muncaster and Miles to the Engineering College committee to explore the new calculus course(s) Engineering wants.
- the Minutes of September 11 were **approved**.

Respectfully submitted:
Maarten Bergvelt

Undergraduate Affairs Committee
Tuesday, October 2, 2007
12 noon Conference Room

Present:

Balogh, Green, Ivanov, Hildebrand, Miles, Szuta, Tolman, Uhl,
Muncaster

- A Math 241 text adoption committee was proposed by Muncaster. The UAC selected two other faculty to be invited to be on the committee. Muncaster will explore these invitations and report back on results. The UAC agreed to **approve** the adoption committee that is ultimately formed.
- A Math 477 revision was proposed. Miles will look into the history of this proposed revision for the next meeting.
- Miles reported that the math major changes will go forward this week to LAS.
- An intermediate 1 hr course on the vector calculus portion of Math 241 is needed for the purposes of transfer students. A mathematica version of such a course will be explored.
- A text for Math 220/221 was discussed. Further discussion was deferred to the next meeting.
- Course stewardship was discussed. In addition, grade distributions for some sections of Math 385 and Math 415 were distributed and discussed. Muncaster agreed to put together a sample course packet for Math 385 as a first step in further discussions of the stewardship question.

Respectfully submitted:
Robert Muncaster

Undergraduates Affairs Committee
Tuesday, October 16th, 2007
12noon Conference Room

Present:

Bergvelt, Furedi, Green, Miles, Muncaster, Szuta, Tolman, Uhl

- Muncaster reports on the committee to select the textbook for Calc III. It consists of faculty members Carpenter, Carty, Ford, Kerman, Muncaster and Chris Lee, graduate student.
- Miles reports on the revision of the course description of Math 477. A motion to send the revision on the college was **approved**.
- Miles reports on the 1 credit hour course intended for transfer students who lack some of the prerequisites for Math 241. Debra Woods is willing and able to construct an on-line course for this. A motion calling this a good idea in principle, pending details, was **approved**.
- Report of Muncaster on the meeting with the Engineering Calculus committee. Description of the current experiment of a future Math 236. Plans of Engineering to remodel the whole Calculus sequence according to the new paradigm.
- Miles reports on proposed changes in the Math Major.

Respectfully submitted:
Maarten Bergvelt

Undergraduates Affairs Committee
Tuesday, October 23rd, 2007
12noon Conference Room

Present:

Balogh, Bergvelt, Furedi, Green, Hildebrand, Miles, Muncaster,
Szuta, Tolman, Uhl

- Discussion on the engineering calculus experiment. The UAC is asked by the chair to evaluate the experiment. Proposal to invite the current instructors (Ando, Beck, Ghrist) to a UAC meeting to get more information. Proposal **approved**.
- Discussion on the changes in the requirements for a Math Major. Proposal: Remove the requirement of the Complex Variables course from the “core” for the general Mathematics option, keep the requirement for the Honors and Applied options. Proposal **approved**.

Respectfully submitted:
Maarten Bergvelt

Undergraduates Affairs Committee
Tuesday, October 30th, 2007
12noon Conference Room

Present:

Balogh, Bergvelt, Green, Hildebrand, Ivanov, Miles, Muncaster,
Szuta, Tolman, Uhl

Guests: Ando, Beck, Ghrist

The guests reported on their experience teaching the new engineering calculus course. Also plans to extend the format to other calculus courses were discussed.

Respectfully submitted:
Maarten Bergvelt

Undergraduates Affairs Committee
Tuesday, November 6th, 2007
12noon Conference Room

Present:

Bergvelt, Furedi, Green, Hildebrand, Ivanov, Miles, Muncaster,
Szuta, Tolman, Uhl

- Muncaster reports on the committee to choose a new text book for Math 241.
- Discussion on the engineering calculus experiment. The Chair of the UAC volunteers to draft a letter to the EC to summarize the committee's conclusions.

Respectfully submitted:
Maarten Bergvelt

Undergraduates Affairs Committee
Tuesday, November 13th, 2007
12noon Conference Room

Present:

Balogh, Bergvelt, Furedi, Green, Hildebrand, Ivanov, Miles, Muncaster, Szuta, Tolman, Uhl

- Miles reports on a proposal to crosslist the engineering statistics course ECE 313 with Math 461. Decision postponed.
- Discussion of a draft of a letter to the EC to summarize the committee's conclusions on the engineering calculus experiment. Proposal to send this to the EC with minor editorial changes was **approved**.
- Discussion of the report of the committee on Math 241.

The committee on Math 241 recommends (five to one), that

- a) the Lovric text be used as a candidate text this spring in all Calc III classes (except C&M)
- b) a specially selected team of instructors use the Lovric text this spring and design a syllabus that covers the topics appropriate to a true Calculus III offering.
- c) the team of instructors must also work together towards the creation of a "stewardship" package describing what should be taught and the most effective methods of delivery.

Decision postponed.

Respectfully submitted:
Maarten Bergvelt

Undergraduates Affairs Committee
Tuesday, November 27th, 2007
12noon Conference Room

Present:

Balogh, Bergvelt, Green, Hildebrand, Ivanov, Miles, Muncaster,
Szuta, Tolman, Uhl

- D. Beck (Engineering) wants to read the letter from the UAC to the EC about the Engineering Calculus experiment. The committee had no problem with this.
- The Engineering College want to pay some Math 231 students to take the diagnostic test to compare with the students in the experimental Math 236 (Engineering Calculus). The committee had no problem with this.
- The committee **voted** on the proposal to crosslist EC 313 with Math 313. The UAC **approved** the proposal.
- The UAC **voted** on the proposal of the Math 241 textbook committee. The UAC **approved** the following:
 - a) In the regular sections of Math 241 the Smith-Minton will be required. The Lovric text will be required in the two Honors sections.
 - b) the instructors use three books (Smith-Minton, Lovric, Colley) to prepare classes and design a syllabus that covers the topics appropriate to a true Calculus III offering.
 - c) the team of instructors must also work together towards the creation of a "stewardship" package describing what should be taught and the most effective methods of delivery.

Undergraduates Affairs Committee
Tuesday, December 4th, 2007
12noon Conference Room

Present:

Balogh, Bergvelt, Green, Furedi, Hildebrand, Miles, Muncaster,
Szuta, Tolman, Uhl.

- The minutes of September 11, September 18, October 2, October 16, October 23, October 30, November 6, November 13, November 27 were **approved** with minor corrections.
- Honors sequence: the UAC **voted** to accept the proposal of the Honors Committee to change the course description of the Math 428 course to reflect the current contents of the course.
- Miles reported that the proposal to change the Math Major was approved by the LAS Courses and Curricula Committee.
- The UAC **voted** on the proposal to use in Math 234, Business Calculus, the Hoffman-Bradley text in all section for the Spring 2008 semester. The proposal was **approved**.
- Discussion on the Math Department Online Instruction Committee (advising the EC). The feeling of the UAC was that it wants to keep informed on the OIC activities.
- Discussion of Stewardship of courses.

Respectfully submitted:
Maarten Bergvelt