

ACADEMIC AFFAIRS COMMITTEE

April 13, 2007

Minutes

Members

Present: Paul Matney, Bob Austin, Robert Boyd, Diane Brice, Sally Evans, Michael Kopenits, Duane Lintner, Shawna Lopez, Ed Nolte, Jim Powell, and Rathna,Prabhakar

Members

Absent: Tony Gordy, Ann Hamblin, Mary Clare Munger, Lyndi Shadbolt, and Vicky Taylor-Gore

March 23, 2007 Minutes

Austin moved, seconded by Nolte, to approve the March 23, 2007 minutes as submitted. The motion carried.

SCIENCES AND ENGINEERING DIVISION

Biology

Matney expanded on the rationale for the request. At the March 23, 2007 meeting there was a request to delete CHEM 0201 and replace it with SCIT 1272 (a WECM local needs course). Local needs courses require approval from the Coordinating Board. After further consideration, it was agreed it would be best to use the existing SCIT 1307 WECM course rather than request approval for a local needs course.

1. STATEMENT OF REQUEST:

- Withdraw request to add SCIT 1272: Pre Anatomy and Physiology which was approved at the March 23, 2007 Academic Affairs meeting to replace CHEM 0201.
- Add SCIT 1307: Human Anatomy and Physiology I
- Change recommended prerequisite for BIOL 1406, 2401, 2402, and 2421 accordingly

After further review and discussion, it was agreed that the addition of SCIT 1307 would be appropriate. SCIT 1307 is an approved WECM course and does not require unique approval. There was concern of requesting approval for a local needs course that would not be required in any program and thus the existing WECM course SCIT 1307 is being requested to replace CHEM 0201.

2. AFFECTED COURSE DESCRIPTIONS:

~~SCIT 1271: PreAnatomy and Physiology~~

~~An introduction to the basic cell structure, the cell life cycle, cell reproduction, and basic cell chemistry. This course is recommended for Allied Health, Nursing and Biology students who lack a foundation in the cell and its functions. This course is non-transferable and is designed for students who need a background in cellular (2 sem hrs; 2 lec, 1 lab)~~

SCIT 1307: Human Anatomy and Physiology 1 (Pre Anatomy and Physiology)

In-depth coverage of the structure and function of the human body. Topics include the cell with specific emphasis on the basic cell structure and its functions, the cell life cycle, cell reproduction, and basic cell chemistry. Other

topics may include tissues; body organization; and the integumentary, skeletal, muscular, nervous, and endocrine systems. Emphasis will be on homeostasis. This course is recommended for Allied Health, Nursing and Biology students who lack a foundation in the cell and its functions. This course is non-transferable and is designed for students who need a background in cellular biology.
(3 sem hrs; 3 lec)

The committee members expressed concern with proposed title for SCIT 1272: Human Anatomy and Physiology (official WECM title) since it is the same title of BIOL 2401.

Boyd moved to approve the request with the caveat Bobbie call the Coordinating Board to see if a course title can be modified and if so it will be renamed: Pre Anatomy and Physiology. Powell seconded. The motion carried.

(After the meeting Bobbie called Rebecca Bell, WECM Coordinator, and asked if the title could be modified. Ms. Bell said they (Midland College) are also considering using the course and wanted to modify the title. She said usually WECM requires the exact course title be used but in this case she approved Amarillo College modifying the title. Midland was also going to modify the title. SCIT 1307 will be up for review next fall and WECM will probably revise the title.)

The course will be titled SCIT 1307: Pre Anatomy and Physiology.

Mathematics

STATEMENT OF REQUEST:

Effective Fall 2007

- Delete MATH 1333: Contemporary Mathematics
- Add MATH1332: Contemporary Mathematics I
- Include MATH 1332 in the General Education Course List under Mathematics 2007
- On the list of attached programs change: MATH ~~1333~~ to MATH 1332

RATIONALE:

Math 1333: Contemporary Mathematics is listed in the ACGM as a transfer level course. Our current prerequisites allow a student with lower qualifications than those for other transfer courses such as College Algebra to enroll in MATH 1333: In order to bring Amarillo College into compliance with the Academic Course Guide Manual and the Texas Common Course Numbering System effective Fall 2007 we are deleting the current MATH 1333 and adding MATH 1332: Contemporary Mathematics I with college-level prerequisites.

COURSE DESCRIPTIONS:

~~MATH 1333: Contemporary Mathematics~~

~~Prerequisite: A THEA score of 230, or an equivalent score on a state-approved test, or a grade of "C" or higher in MATH 0302, or consent of department chair.~~

~~Logic: sets and counting; metric system; probability; statistics; geometry; math of finance; and exponential and logarithmic functions.~~

~~(3 sem hrs; 3 lec)~~

MATH 1332: Contemporary Mathematics I

Prerequisite: A THEA score of 270, or an equivalent score on a state-approved test, or a grade of C or higher in MATH 0303, or consent of department chair.

Logic: sets and counting; metric system; probability; statistics; geometry; math of finance; and exponential and logarithmic functions.

(3 sem hrs; 3 lec)

Matney expanded on the rationale for the request. MATH 1333 currently requires a THEA score of 230. Other college-level math courses at Amarillo College require a THEA score of 270. Many AAS programs currently require MATH 1333 as part of their 15 hours of required general education. MATH 1333 has been out of compliance with the ACGM and TCCNS for several years and this request will bring it into compliance. This problem was brought to our attention by WTAMU and Texas Tech. Amarillo College students are taking the lower level MATH 1333 and are trying to transfer it to meet their college-level math requirement. Matney referred the members to the explanation Wetzel provided "MATH 1333 Contemporary Mathematics Changes."

Prabhakar noted this course will also effect enrollment in MATH 1314: College Algebra. Many students may now choose to take MATH 1333 rather than MATH 1314 to meet their math requirement. Matney noted when he met with the division chairs, not one chair was against the change and they all support the integrity of the change.

Nolte agreed the bar for math requirements needs to be raised and he supports the change. He noted many of his programs also require a technical math course which will help prepare their students for the college-level math.

Matney reviewed the SACS requirement and the option of requiring Math/Natural Science. "The core must include at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. The institution must demonstrate its graduates are competent in reading, writing, oral communication, fundamental mathematical skills and the basic use of computers." Matney said years ago Amarillo College, as an institution, decided to require a MATH course.

Bobbie explained due to the timing in printing of the 2007-08 Catalog, affected programs will list: MATH 1332: Contemporary Mathematics I or MATH*

Degree audits will list:

Mathematics/Natural Science General Education Requirement

Complete 3 hours from the approved Mathematics section of the general education course list.

Evans moved, seconded by Kopenits, to approve the request as submitted. The motion carried.