

College of Liberal Arts and Sciences, Committee on Curricula and Courses, November 15, 2011 (Approved by mail ballot on November 22nd, 2011)

Chair: Robert G. Michel (CHEM). **Members present:** Margaret Breen (ENGL), Andrea Calabrese (LING), Bob Gallo (PNB), Robert Henning (PSYC), Dick Langlois (ECON), Micki McElya (HIST), Nancy Naples (WS), Ken Noll (MCB), Rolf Schiffler (MATH), Merrill Singer (ANTH), Matt Singer (POLS), James O'Donnell (MARN), Richard Rockwell (SOCl), Roger Travis (LCL),
Visitors: Glenn Mitoma (HRTS), Hedley Freake (UICC), David Gross (MATH)
 CLAS, ASC: Mansour Ndiaye, Katrina Higgins
 CLAS Dean's office: Davita Silfen Glasberg

Preliminaries

Chair called the meeting to order at 3:35 PM
 Nancy Naples selected as a secretary *pro tem*
 Minutes of the meeting of October 25 – ratification due to lack of quorum on November 8th. Accepted unanimously.
 Actions of committee of November 8th ratified; resultant minutes accepted unanimously, including amendment to the wording of the motion concerning UICC.

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THE MEETING WAS ADJOURNED TO DECEMBER 13TH SAME TIME AND PLACE AT 5:30 PM.	5

Proposals re-considered

2011- 100 WS Major - change description of tracks – postponed to a future meeting to refine the wording.

Proposals considered

2011-141 MATH Actuarial Science Major - Change requirements unanimously approved

Catalog Description of the Major :

Bachelor of Science or Arts in Mathematics-Actuarial Science: The requirements for the B.S. or B.A. degree in Mathematics-Actuarial Science are 36 credits at the 2000-level or above in Mathematics, Statistics, Business, and related areas (in addition to MATH 2110Q or 2130Q or 2143Q). The required courses are MATH 2210Q (or 2144Q), 2620, 3160, 3630-3631, STAT 3375Q-3445; either MATH 3632 or 3634; and either MATH 2610, FNCE 3221 or 4325. Students should include ECON 1201 and 1202, a Computer Science course, and ACCT 2001 and 2101 in their program of study as early as possible. To satisfy the writing in the Major and Information Literacy competencies, all students must pass one of the following courses: MATH 2194W, 2720W, 2794W, 3670W, or 3796W.

Admission to the Actuarial Science program will be available only to students who meet the following two requirements. First, the student must have a total grade point average of 3.2 or higher or a grade point average of 3.2 or higher in mathematics. The student must also satisfy one of the following:

1. completed MATH 1121Q, 1126Q or 1131Q with a grade of at least B;
2. successfully completed an honors calculus course with a grade of at least C;
3. received AP credit for MATH 1131Q; or
4. received a passing score on one or more of the actuarial examinations.

Students not satisfying one or more of the requirements may be admitted into the program by the Mathematics Department Actuarial Committee.

To remain as an Actuarial Science Major, the student is expected to maintain a total grade point average of 3.2 or higher.

**2011-142 MATH 1060Q - deletion of defunct course numbers approved
unanimously*****Catalog Copy :***

1060Q. Precalculus.

(109Q) Either semester. Three credits. Recommended preparation: MATH 1010, 1011 or the equivalent. Not open for credit to students who have passed MATH 1120, 1125, or 1131. Students may not receive credit for this course and MATH 1040.

Preparation for calculus. Review of algebra. Functions and their applications; in particular, polynomials, rational functions, exponentials, logarithms and trigonometric functions.

6. Effective Date (semester, year -- see Note R): Immediate

**2011-143 MATH 2010-2011Q – change course description unanimously
approved*****Catalog Copy :***

2010Q-2011Q. Fundamentals of Algebra and Geometry

(247Q-248Q) Either semester. Three credits each semester. Prerequisite: PSYC 1100 and three credits of Mathematics other than MATH 1010. Not open for credit to students who have passed MATH 2110, 2410, 220, 2130, or 2143. This course may not be counted in any of the major groups described in the Mathematics Department listing.

The development of the number systems with applications to elementary number theory and analytic geometry. This course is intended only for students in elementary education, specifically those in pre-teaching elementary and in the NEAG School of Education.

6. Effective Date (semester, year -- see Note R): Immediate

2011-144 MATH 2360Q - change prerequisites unanimously approved***Catalog Copy :***

2360Q Geometry

(223Q) Either semester. Three credits. Prerequisite: MATH 1121, 1126, 1131, 1151, or 2142. MATH 1121 or 1126 may be taken concurrently.

Deductive reasoning and the axiomatic method, Euclidean geometry, parallelism, hyperbolic and other non-Euclidean geometries, geometric transformations.

6. Effective Date (semester, year -- see Note R): Immediate

2011-145 MATH 2710 – change prerequisites unanimously approved***Catalog Copy :***

2710. Transition to Advanced Mathematics.

(213) Either semester. Three credits. Recommended preparation: MATH 1132Q

or 1152Q. Students intending to major in mathematics should ordinarily take this course in during the third or fourth semester.

Basic concepts, principles, and techniques of mathematical proof common to higher mathematics. Logic, set theory, counting principles, mathematical induction, relations, functions. Concepts from abstract algebra and analysis.

6. Effective Date (semester, year -- see Note R): Immediate

2011-146 MATH 3150-3151 – change prerequisites unanimously approved

Catalog Copy :

3150-3151. Analysis

(273-274) Either semester. Three credits each semester. Prerequisite: MATH 2144 or 2410 or 2420; MATH 2142 or 2710; MATH 2110 or 2130 or 2143.

Introduction to the theory of functions of one and several real variables.

6. Effective Date (semester, year -- see Note R): Immediate

2011-147 MATH 3330 – change prerequisites unanimously approved

Catalog Copy:

3330. Elements of Topology

(250) Either semester, alternate years. Three credits. Prerequisite: MATH 2142 or 2710; MATH 2110 or 2130 or 2143.

Metric spaces, topological spaces and functions, topological properties, surfaces, elementary topics in geometric topology.

6. Effective Date (semester, year -- see Note R): Immediate.

2011-148 MATH 3632 - change prerequisites unanimously approved

5. Catalog Copy :

3632. Loss Models

First semester. Three credits. Prerequisite or corequisite: MATH 3630.

Topics from the fourth actuarial examination relating to survival, severity, frequency and aggregate models, and the use of statistical methods to estimate parameters of such models given sample data.

6. Effective Date (semester, year -- see Note R): Fall 2011

2011-149 MATH 3634 - change semesters offered – unnecessary to act

2011-150 HRTS Minor – add existing courses unanimously approved

Catalog Description of the Minor :

This minor provides interdisciplinary instruction in theoretical, comparative, and historical perspectives on human rights through classroom courses, and valuable practical experience in the human rights field through a supervised internship. Fifteen credits at the 2000-level or above are required; at least six credits from Group A (Core Courses); no more than six credits from Group B (Electives); and

three credits from Group C (Internship). No more than six credits taken in any one department may be applied to this minor.

Group A. Core Courses.

[HRTS/POLS 3042](#); [POLS/HRTS 3212](#); [HIST/HRTS 3201, 3202](#); [SOCI/HRTS 3831](#)

[SOC/HRTS 3837](#); [ENG/HRTS 3631](#); [HRTS 3231](#); [POLS/HRTS 3428](#)

Group B. Electives.

[AFAM 3224](#); [AFAM/HIST/HRTS 3563](#); [AFAM/HRTS/SOCI 3505, 3825](#); [ANTH 3026](#); [ANTH/WS 3350](#); [ANTH/HRTS 3028, 3153W](#); [AASI 3215](#); [AASI/HIST 3531](#); [AASI 3221/HRTS 3571/SOCI 3221](#); [AASI 3222/HRTS 3573/SOCI 3222](#); [ECON 2127, 2198, 3473](#); [ENGL 3629](#); [ENGL/HRTS 3619, 3631](#); [HIST/HRTS 3207](#); [HIST/WS 3562](#); [HIST 3570, 3995](#); [HIST 3575/HRTS 3221/ PRLS 3221](#); [HRTS 3293, 3295, 3298, 3299](#); [HRTS/POLS 3418, 3807](#); [HRTS/SOCI 3421, 3429, 3801](#); [HRTS/WS 2263](#); [PHIL 2215, 3218, 3220](#); [PHIL 2245/ECON 2126](#); [PHIL/HRTS 2170W, 3219](#); [SOCI 3503](#)

[DRAM 4135/HRTS 3135](#); [SOC/HRTS 3835](#); [POLS/HRTS 3130](#)

Group C. Internship: [HRTS 3245](#)

The minor is offered by the [College of Liberal Arts and Sciences](#). For more information, contact Richard Hiskes in the Political Science department.

7. Effective Date (semester, year -- see [Note R](#)): **Immediately**

Old Business

The committee was delighted to welcome Hedley Freake, chair of the UICC, to inform the continued discussion of the proposed UNIV and INTD designations. His visit proved extraordinarily informative and useful, and resulted in slight amendment of the motion reported in the minutes of November 8th. The final form of that motion was unanimously ratified with no abstentions, as reported in the aforementioned Nov. 8th minutes.

New business – none

The meeting was adjourned to December 13th same time and place at 5:30 PM.

Respectfully submitted:

Nancy Naples, secretary *pro tem*.