Math Department

Curriculum Committee Minutes

# 4/26/2018

**Present:** Africk, Douglas, Ellner, Ghezzi, Katz, Kennedy, Koca, Masuda, Niezgoda, Parker, Poirier (chair), Rojas, Rozenblyum, Singh, Verras

**Absent/Excused:** Benakli, Carley, Colucci, Greenstein, Hill, Li, Taraporevala, Yuce

**Guests:** Han, Natov

1. The meeting was called to order at 1:05pm.
2. **Motion:** Approval of minutes of Mar 29, 2018, curriculum committee meeting.
**Action:** Carried (13 approval, 0 abstain, 0 opposed)
3. Prof. Africk mentioned that Prof. Katz found a possible textbook for MAT 1475-1575: Marsden-Weinstein, Calculus I and II, Springer, 1985.
4. **Motion:** To permit instructors to experiment with this textbook for Fall 2018.
5. **Action:** Carried (13 approval, 0 abstain, 0 opposed)
6. Prof. Rojas expressed her positive opinion about the current MAT 1190 experimental textbook.
7. **Motion:** To continue experimenting this textbook next semester.
8. **Action:** Carried (13 approval, 0 abstain, 0 opposed)
9. Prof. Ellner proposed that Section 6.5 Binomial Approximation to Normal Distribution must be eliminated from the course outline in MAT 1272, because calculators can be used instead of the approximation method.
10. **Motion**: To approve removing Section 6.5 from course outline
11. **Action:** Carried (13 approval, 0 abstain, 0 opposed)
12. Prof. Ellner introduced the new course outline for MAT 065-CO with ALEKS, a new online tutorial system. Members discussed the advantages and disadvantages of ALEKS.
13. **Motion**: To allow instructors to choose between this outline with ALEKS or with WebWork.
14. **Action:** Carried (12 approval, 0 abstain, 2 opposed)
15. Prof. Kennedy described the new curriculum proposal for the Math Education Program:
	1. It combines MAT 2071: Language, Proofs and Logic and MAT 3021: Number theory into a revised course MAT 2071, in order to remove content overlap.
	2. It includes modified MAT 3080 syllabus.
	3. It removes MAT 4050 in order to streamline the content math courses, and redirects some content to the new course MEDU 3000.
	4. It changes prerequisites:
		1. MAT 3050: The only prerequisite will be MAT 2071 (drop pre-/co-requisite of MAT 3080);
		2. MAT 4030: The only prerequisite will be MAT 2071 (drop pre-/co-requisite of MAT 2071)
	5. It replaces MAT 2772 with MAT 1372, which is considered to represents a better match with the required content standards.
	6. It includes a new course MEDU 3000: Mathematical Foundations of the Secondary School Curriculum;
	7. It includes a new course MEDU 3030: Micro-Teaching, which includes 100 clock hours of intermediate school-based clinical experience;
	8. It removes MEDU 2010 and distributes the learning of technology for teaching to the new courses MEDU 3000, MEDU 3030.
	9. It removes MAT 1476L as very few students are able to take it before they take 1575.
	10. It includes MAT 2675: Calculus III as a required course based on results from the

self-study and required content topics coverage.

* 1. It divides MEDU 4040: Student Teaching in The Middle and High School and Student Teaching Seminar (9 credits) into 3 separate courses: MEDU 4001: Student Teaching in the Middle School (4 credits), MEDU 4002: Student Teaching in the High School (4 credits), MEDU 4003: Student Teaching Seminar (4 credits) in order to achieve greater flexibility in offering them, and to allow students to take them in different semesters if necessary.
	2. It includes MAT 1630 and MAT 2440 as required courses, thereby offering students the option of taking another CS course as a math application elective, and MAT 2540 as an Advanced Liberal Arts course and accumulate 12 CS credits and, as a result, qualifying for a CS teaching certificate.
1. **Motion**: To approve the new curriculum proposal form MEDU program.
2. **Action:** Carried (12 approval, 2 abstain, 1 opposed)
3. Meeting is adjourned at 2:08pm.