

## CSM / MATH C2s: Enrollment Requirement changes

Prerequisite change: (see Memo 11/20/17)

*Prerequisite for undergraduates and enrollment requirement for graduate students*

- MATH 350 - Foundations for Theoretical Mathematics
- MATH 362 - Differential Equations
- MATH 374 - Linear Algebra
- MATH 378 - Number Systems
- MATH 410 - Modern Geometry
- MATH 422 - Introduction to Number Theory
- MATH 430 - Foundations of Analysis
- MATH 440 - Introduction to Mathematical Probability and Statistics
- MATH 441 - Introduction to Probability
- MATH 442 - Introduction to Mathematical Statistics
- MATH 464 - Numerical Analysis and Computing
- MATH 470 - Introduction to Abstract Algebra
- MATH 472 - Introduction to Graph Theory
- MATH 474 - Introduction to Combinatorics
- MATH 480 - Introduction to Optimization

(15)

<b>ORIGINATOR'S SECTION:</b>	
1. College: <input type="checkbox"/> CHABSS <input type="checkbox"/> CoBA <input type="checkbox"/> CoEHHS <input checked="" type="checkbox"/> CSM	Desired Term and Year of Implementation (e.g., Fall 2008): Fall 2018
2. Current Course abbreviation and Number: Math 350, Math 362, Math 374, Math 378, Math 410, Math 422, Math 430, Math 440, Math 441, Math 442, Math 464, Math 470, Math 472, Math 474 & Math 480	

**TYPE OF CHANGE(S). Check  $\checkmark$  all that apply.**

Course Number Change	<input type="checkbox"/>	Delete Prerequisite	<input type="checkbox"/>	Other Prerequisite Change	<input checked="" type="checkbox"/>
Course Title Change	<input type="checkbox"/>	Add Corequisite	<input type="checkbox"/>	Grading Method Change	<input type="checkbox"/>
Unit Value Change	<input type="checkbox"/>	Delete Corequisite	<input type="checkbox"/>	Mode of Instruction Change (C/S Number)	<input type="checkbox"/>
Description Change	<input type="checkbox"/>	Add Consent for Enrollment	<input type="checkbox"/>	Consider for G.E. If yes, also fill out appropriate GE form.	<input type="checkbox"/>
Add Prerequisite	<input type="checkbox"/>	Delete Consent for Enrollment	<input type="checkbox"/>	Cross-list	<input type="checkbox"/>

Information in this section— both current and new — is required only for items checked ( $\checkmark$ ) above.

**NEW INFORMATION:**

**CURRENT INFORMATION:**

3. Title:			Course abbreviation and Number:																										
4. Abbreviated Title for Banner (no more than 25 characters):			Title: (Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)																										
5. Number of Units:			Abbreviated Title for PeopleSoft: (no more than 25 characters, including spaces)																										
6. Catalog Description:  Prerequisite:			Number of Units:																										
7. Mode of Instruction* (See pages 17-23 at <a href="http://www.calstate.edu/cim/data-elem-dic/APDB-Transaction-DED-SectionV.pdf">http://www.calstate.edu/cim/data-elem-dic/APDB-Transaction-DED-SectionV.pdf</a> for definitions of the Course Classification Numbers)			Catalog Description: (Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does <u>not</u> count toward the 80-word limit.)																										
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8. Grading Method:*			Prerequisite for undergraduates and enrollment requirement for graduate students:																										
<input type="checkbox"/> Normal (N) (Allows Letter Grade +/-, and Credit/No Credit) <input type="checkbox"/> Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress) <input type="checkbox"/> Credit/No Credit Only (C) <input type="checkbox"/> Credit/No Credit or Report-in-Progress Only (CP)			<input type="checkbox"/> Normal (N) (Allows Letter Grade +/-, and Credit/No Credit) <input type="checkbox"/> Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress) <input type="checkbox"/> Credit/No Credit Only (C) <input type="checkbox"/> Credit/No Credit or Report-in-Progress Only (CP)																										
9. If the NP or CP grading system was selected, please explain the need for this grade option.																													

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\*If Originator is uncertain of this entry, please consult with Program Director/Chair.

CURRENT INFORMATION:	NEW INFORMATION:
<b>10. Course Requires Consent for Enrollment?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Faculty <input type="checkbox"/> Credential Analyst <input type="checkbox"/> Dean <input type="checkbox"/> Program/Department/Director/Chair	<b>Course Requires Consent for Enrollment?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Faculty <input type="checkbox"/> Credential Analyst <input type="checkbox"/> Dean <input type="checkbox"/> Program/Department/Director/Chair
<b>11. Course Can be Taken for Credit More than Once?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how many times (including first offering)	<b>Course Can be Taken for Credit More than Once?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how many times (including first offering)
<b>12. Is Course Cross Listed:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, indicate which course	<b>Is Course Cross-listed?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, indicate which course and check "yes" in item #17 below.
<b>13. Prerequisite(s):</b>	<b>Prerequisite(s):</b>
<b>14. Corequisite(s):</b>	<b>Corequisite(s):</b>
<b>15. Documentation attached:</b> <input type="checkbox"/> Syllabus <input type="checkbox"/> Detailed Course Outline	

**PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:**  
*(Mandatory information – all items in this section must be completed.)*

**16. Does this course fulfill a requirement for any major (i.e. core course or elective for a major, majors in other departments, minors in other departments)?**  Yes  No  
 If yes, please specify:

**17. Does this course change impact other discipline(s)?** *(If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.)* Check "yes" if the course is cross-listed.  Yes  No  
 If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

\_\_\_\_\_  
 Discipline \_\_\_\_\_ Support \_\_\_\_\_ Oppose  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
 Discipline \_\_\_\_\_ Support \_\_\_\_\_ Oppose  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

**18. Reason(s) for changing this course:**  
~~A grade of C or better in the prerequisite course(s) is needed for student to be adequately prepared to succeed in 500-level courses and consistent with prerequisite requirements for undergraduate courses.~~ **See Attached Memo**

SIGNATURES : (COLLEGE LEVEL) :	(UNIVERSITY LEVEL)
Amber L. Puha <u>Amber L Puha</u> 11/28/17 1. Originator (Please Print) Date	_____ 5. UCC Committee Chair Date
Wayne Aitken <u>Wayne Aitken</u> 11/28/17 2. Program Director/Chair Date	_____ 6. Vice President for Academic Affairs (or Designee) Date
<u>Bill Cust</u> 11/28/17 3. College Curriculum Committee Date	_____ 7. President (or Designee) Date
<u>Amber Puha</u> 12/1/17 4. College Dean (or Designee) Date	



## MEMORANDUM

**DATE:** November 20, 2017

**TO:** CSM Curriculum Committee and UCC

**FROM:** Prof. Amber Puha  
Graduate Coordinator  
Department of Mathematics

**SUBJECT:** Master of Science in Mathematics: Enrollment Requirement

The Department of Mathematics wishes to make an *editorial* change to the course descriptions of the following 15 math courses:

Math 350  
Math 362  
Math 374  
Math 378  
Math 410  
Math 422  
Math 430  
Math 440  
Math 441  
Math 442  
Math 464  
Math 470  
Math 472  
Math 474  
Math 480

They wish to insert the text in red into the course descriptions of the courses listed above:

**Prerequisite for undergraduates and enrollment requirement for graduate students:**

The prerequisites themselves would not change. Our 500 level courses have this same language in the course description and it is effective for our graduate and undergraduate students and the function of our program.

**Rationale**

The rationale for making this change is that prerequisites and enrollment requirements are synonyms. The difference is the way that PS treats them. PS enforces prerequisite and does not enforce enrollment requirements. For graduate students, automated prerequisite enforcement creates extra hassle that is unwarranted. Graduate student undergraduate academic records from their undergraduate institutions are not loaded into their academic record in PS and not articulated with CSUSM course equivalents. Their undergraduate coursework is stored in OnBase, which is not accessible by PS. As a result, with the current wording, graduate students are prevented from enrolling in the courses listed above. This means that every graduate student that is advised or wishes to enroll in the courses listed above is blocked from registering for these classes. Many graduate students take one or more courses on the above list to bolster their academic background or fulfill a degree requirement. For this, they not only need to obtain a permission number but rather, they also need to complete a prerequisite waiver form, obtain the instructor's signature and hand deliver this to the registrar. For working students that attend evening classes, the extra hassle this creates doesn't not serve a reasonable purpose. Our graduate program is relatively small (approx. 20 students), and graduate students do a good job checking their own preparation for courses. Furthermore, the graduate coordinator is active in advising students and reviews their course schedule in the first week of the semester. Therefore, the department wishes to remove this obstacle to enrollment for graduate students. The language has served us well in our 500 level courses, and we expect it to also serve us well in our undergraduate courses.

Since our undergraduate students are CSUSM natives or transfer students, their coursework is included in their academic record in PS. Therefore, we wish for PS to continue enforcing the prerequisites for undergraduates. This is in their best interest since if a course prerequisite is not part of their academic record, it is usually the case that they haven't completed that course. The proposed language also accomplishes this.