

Math Course Changes AY 17-18

Kelly Kohlmetz
Math Department
Mathematical Literacy Coordinator
kellyk2@uwm.edu

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UW System directives:

- ▶ New math placement test (2017)
- ▶ New common cutscore for lowest credit bearing algebra course (Fall 2018)
- ▶ Encouraging Metamajors, Math Pathways, multiple measures for placement, co-requisite remediation, as well as lower prereq for lowest credit-bearing courses in “Math Lit/Quant Lit” pathways

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New Placement Test

- ▶ New “category” called MFUND (Math Fundamentals) to capture developmental mathematics skills (not just arithmetic as before)
- ▶ Better measure of what should be in developmental mathematics courses

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New Common Cut Score

- ▶ Standardizes cut-off for remediation across the system
 - ▶ Students in college-level math course cannot cover developmental mathematics topics
 - ▶ Requires many institutions to redesign lower level math courses
- 


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More Changes for Math at UWM?



Already Ahead in System

- ▶ We have started this work already
 - ▶ Presenting throughout UW–System about our work here, including to new VP of Academic and Student Affairs
 - ▶ Finding success so it's working!
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Metamajors

- ▶ Campus is already working on this
- ▶ Could help to direct students into Algebra Pathways or Math Literacy Pathway

Math Pathways

- ▶ We are at forefront within system and nationally
- ▶ Combining all developmental mathematics into one semester – even for lowest placed students (Math 094) – and finding success
- ▶ Math Literacy Pathway for non-STEM majors (Math 092 / Math 102)

Multiple Measures for Placement

- ▶ Piloting use of ALEKS PPL for self-remediation
- ▶ Use of math subscore on ACT can “override” a lower math placement test (MPT) score
 - MPT level 0 => Math 094
 - MPT level 0 AND math ACT of 16+ => Math 092
 - Math ACT of 24 => Math 105, Math 175
 - Math ACT of 18 => Math 103

Lowering Some Pre-req ...

- ▶ Use of math subscore on ACT can “override” a lower math placement test score
 - Placement level 0 \Rightarrow Math 094
 - Placement level 0 + math ACT of 16+ \Rightarrow Math 092
 - Math ACT of 24 \Rightarrow Math 105, Math 175
 - Math ACT of 18 \Rightarrow Math 103

Currently working on: Math 116 will have same prereq as Math 105

Co-requisite Remediation

- ▶ What: Student would take Math 09x and 10x in the same semester, in linked sections with same instructor
- ▶ Rolling out for spring with Math Literacy: Math 092+Math102
- ▶ Moved majority non-STEM to spring to help with imbalance in teaching
- ▶ Be sure to have your students register!
- ▶ Contact me with questions

So NO Changes for Math at UWM?



New Common Cut Score

- ▶ Requiring a redesign of courses in STEM
- ▶ College-level courses cannot contain developmental math materials
- ▶ Math 094 and Math 098 are both adding more content
- ▶ Math 105 is removing content
- ▶ Piloting new curriculum this spring in a few sections

Co-requisite Remediation

- ▶ Will be coming for Math 098+Math108
- ▶ First priority is getting courses in line with new cut-offs
- ▶ Next will be creating a co-req version of the Algebra Pathway

New Course Summary (AY 17-18)

- ▶ Math 102X (FLEX course for nursing RN-to-BSN completion program) offered now
- ▶ Math 092+Math 102 co-req course offered Spring 2018
- ▶ Math 105 new curriculum piloted Spring 2018
- ▶ Math 092 online course and Math 102 online course - both offered Summer 2018

Questions?

Math placement levels and updated information are posted at our new site:

<http://uwm.edu/math/undergraduate/resources/math-placement>

Please feel free to contact me with questions, comments or suggestions:

Kelly Kohlmetz
Math Literacy Pathway Coordinator
Phone: (414) 229-2685
Email (preferred): kellyk2@uwm.edu