

MATH CURRICULAR & PLACEMENT CHANGES

effective Fall 2018

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CHANGES TO PREREQS (EFF. FALL 2018):

I. Placement levels will be numerical not alphabetical, and will be written out in whole in the course description.

- For example: Math 98's prereq won't be "Math Placement Level D", which is currently only defined on some website, but will be: "Math Placement Level 10, which is earned by any of the following: (a) Level 10 on Math Placement Test; (b) Grade of C or better in Math 090; or (c) Grade of D in Math 094."
- We hope this will add transparency to the placement/course selection process!

II. There will also be a few (some serious) course prereq changes (see remaining slides), due to UW system initiatives in cross-campus articulation of courses and placement.....

NEW PLACEMENT CHART: FALL 2018

(WILL BE ON MATH DEPT WEBSITE AND MAYBE REGISTRAR'S ONE-STOP SHOP)

MFUND	AALG	TAG	LEVEL	Placement
150-355	150-850	150-850	0	Math <u>092</u> or 094.
356-465	150-850	150-850	10	Math 098 or <u>103</u> .
<u>466-850</u>	150-485	150-555	20	103, 105, <u>116</u> , 175.
		556-850	26	103, 105, <u>116</u> , 175; <u>117 SATISFIED</u>
	<u>486-535</u>	150- 555	30	115, 116, 117, 175, 205, 211, S215; QL-A SATISFIED
		556-850	36	115, 116, 175, 205, 211, S215; QL-A & 117 SATISFIED
	536-850	150- 555	35	115, 117, 175, 205, 211, S215; QL-A & 116 SATISFIED
	536-605	556-850	40	175, 205, 211, 213, S215, 231; QL-A, 116 & 117 SATISFIED
	606-850	556-850	45	175, 205, 211, 213, S215, 221, 231; QL-A, 116 & 117 SATISFIED

Note:

Entries with overbar have increased;

Entries with underline have decreased.

ACT SCORE OR ALEKS PLACEMENT TEST

(ALEKS PILOT SUMMER '18 PANTHER MATH PREP STUDENTS)

+

2018 ACT-math subscore placement*

*only a few courses allow ACT-math as an alternative to the UW System math placement test or coursework.

ACT-math	Placement allowed
18 or higher	ok for Math 103
24 or higher	ok for Math 105, 175, 116 (Level 20)
30	if in addition, Math placement test level is 40, ok for Math 221 (Level 45).

2018 ALEKS Placement Test Score to Level conversion:

<u>Aleks</u> Placement Test Score	Math Placement Level
22-45	10
46-60	20
61-67	30
68-75	35
76-86	40
87-100	45

MATH COURSE RECOMMENDATIONS

(WE'RE WORKING ON NICER GRAPHIC ORGANIZERS...)

Math Placement Level	[Nat Sci, Eng] "STEM"	[Business, Health Sci, SARUP] "Professional"	(Arts, Humanities, Soc Welfare) Math Lit	(Education) Education
0	94 [= > to level 20]		92 + 102 [= > QLA sat., 175 eligible]	
10	98 [= > lvl 20, take 108 => level 30]		103 [= > QLA sat., 175 eligible]	
20	116 (QLA) [=> lvl 30, need 117 then at lvl 40]	105 [= > QLA sat & level 30]	103 (QLA)	175 (QLA) -> 176 (QLB)
26	116 [= > lvl 40; 117 sat]			
30	115 or 116+117 [= > lvl 40]	211 (QLB) (or SARUP 117, then some QLB)	S215/ other QLB	
36	116 [= > lvl 40, 117 sat.]			
35	117 [= > lvl 40, 116 sat.]			
40	231 (or 213, bio/chem)			
45	221 (or 231)			

QUESTIONS?

- Write me: sboyd@uwm.edu with questions or call me (414) 708-6472.
I'D BE HAPPY to meet with your School/College advising staff to go into more detail.
- More detail is on subsequent slides you'll receive.
- Or Kevin McLeod, kevinm@uwm.edu our Assoc chair for undergrad studies.
- Contact Kelly Kohlmetz kellyk2@uwm.edu for questions about 92/102
- Contact Xianwei Van Harpen vanharpe@uwm.edu for questions about 175/176

ALGEBRA TRACK COURSE CHANGES:

- **Math 105** – prereq won't look like it's changing much: from “Math Placement Level C” to: “Math Placement Level 20, which is earned by any of the following: (a) Level 20 or 26 on Math Placement Test; (b) Grade of C or better in Math 094, 095, or 098; or (c) ACT math subscore of 24 or higher.”
 - (a) One small change: 26 is a revived code, if they place into 105 but out of 117, we'll record that.
 - (a) Hidden big change: Per UW system, the placement exam cutscore to obtain level 20 is moving up. Roughly 400 students in 105 fall '17 would be in 98 fall '18 with same scores. Hence we're offering more combos of 98+108 for fall, *please encourage your stronger students who place in 98 to take the combo (esp. STEM intended).*
 - (b) Also per system, Math 105's **content** is changing: “bottom” 1/3 of content is removed, replaced by more applications and more time on the more difficult concepts.
 - **As such title is changing to “Introduction to College Algebra”.**
 - And it won't work for students to go from 102 or 103 to 105, so note in (b) math 102 is missing (as is 103). Students need to choose carefully between 92/103 and 94/98, and only take 92/103 if they don't need more math beyond the QLA.

ADVANCED ALGEBRA CHANGES:

- **Math 115** – since 105 is going up, we're slightly lowering the prereq of 115: students will no longer need a B in 105 to go on to 115, a C will suffice (Yay!). The prereq will just be level 30, just like 117 or 211.
- **Math 116** – prereq coming down to level 20 to match 105 and 116 will be QLA. This placement score is the same as Madison's transfer equivalent College Algebra course.

Students at level 20 (or 26) will choose between 116 and 105! (or 103 or 175).

- Take 105 if heading to 211 or 117 (SARUP – if earned 20 not 26).
 - Take 116 (then 117 if 20 not 26) if heading to 231 or 213.
- What if they take 105 then change their minds? It's ok, just take 115.
So students heading to 231 will follow (jumping in per placement) one of the following:
 - Math 94 -> 116 -> 117 -> 231; or
 - Math 98+108 -> 115 -> 231.
 - [or 105 -> 115 -> 231, if they take 105 then change their minds].

COURSE CHANGES FOR NON-ALGEBRA TRACK:

- **Math 92 – NO PREREQ!!!!** No more confusing looking at ACT or talking to course coordinator for transfer students!
 - Will still run in paired sections with 102 primarily in spring,
 - **BUT will have online 92 and 102 starting summer 2018.** Enrollment in online versions during AY may be by dept consent, as face-to-face is **MUCH** better for these students!
- **Math 103 – Prereq lowering to level 10** (instead of level 20) or Math ACT 18 (started AY 17-18).
 - 103 will still be QLA, and still primarily offered in spring. The level 10 placement exam cutscore matches UW Madison's placement exam prereq for their transfer equivalent course.
- Students will have to carefully choose between 98 and 103, both at level 10, or between 92+102 or 94, both at level 0. The only students who should take 103 or 92+102 are those who (a) don't need chem 100 and (b) who don't need more Math courses (except 175). But students who can take 92 or 103 for their program **SHOULD** as it's more appropriate for them! (both more enjoyable and higher success rate).
 - Math 92 & 103 basically not being offered in the fall should help – students needing several math courses for their program need to get started *right away* in 94 or 98 or the 98+108 fall combo (of which there will be several sections).
 - MthStat 215 will still have QLA satisfaction as prereq so students who take 102 or 103 can take that still.
 - *Students with placement level 10 (or 0 and Math ACT 18) can't go on to 100-level algebra/trig from 102 or 103 if they don't place into it.* They'll have to go back and take 98+108 or 94+105 even after 102 or 103 if they take those instead.
- **Math 175** - Prereq will be: "C or better in 102 or 103, or Math Placement Level 20". Math 102 won't be listed in math placement level 20 (nor will 103). So 175 will be the only *Math* course students can take after 102 or 103.