MATH UPDATES

320 Armstrong Hall

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placement@math.wvu.edu
OVERVIEW

1. ALEKS proctoring
2. Math 122 SAT/ACT
3. Math 124 Harmonization
• Of the students THAT TESTED un-proctered: 95 confirmed (20% confirmed, 80% did not)
RESULTS: CHANGES TO TESTING PARAMETERS

• SAT/ACT 460/500/19 can be used to enter into 122

• Out of the 687 that took Aleks and did not qualify for any math course, 334 would qualify for 122 via new SAT/ACT score. (49%)

• Students MUST take and pass a class to receive the opportunity to enter a new cohort (unless they have not placed into any course)
CHANGES TO TESTING PARAMETERS

• Students can take their FIRST ATTEMPT as a practice assessment.
  – If they take it on campus proctored, they lose the opportunity to take it as a practice attempt

• The practice assessment is to put them in the appropriate learning module- using assistance is detrimental to their placement experience

• The score used for placement must be a proctored attempt

• Students must complete 8 hours of practice between 2nd, 3rd, and 4th attempts.

• There is a 24- hours cool off period. (Cannot test twice in the same day)
HARMONIZATION RESULTS

• Reintroduce
  – Math 124 Applied College Algebra

• Purpose:
  – Prepare students for Math 128 Trigonometry
  – Prepare students for Math 150 Applied Calculus
  – Calculator/Problem solving-based
HARMONIZATION RESULTS (FOR FALL 2018)

• Change Math 126A, B, and C to Math 126

• Purpose:
  – Prepare students for Calculus
  – Small lecture format to better prepare students that place lower than Math 129 for calculus
Math Course STEM Flow- Incoming Fall 2017 Students

PLACE
122

PLACE
1268
College Algebra (small lecture)

PLACE
128

PLACE
129

PLACE
155

PLACE
153

PLACE
154

PLACE
156

Math Course non-STEM Flow- Incoming Fall 2017 Students

PLACE
122

PLACE
1268
College Algebra

PLACE
150
Applied Calculus

PLACE
128

***Students can alter their path by placing via ALEKS

Updated 2.13.17
<table>
<thead>
<tr>
<th>WVU Course</th>
<th>Old SAT Math</th>
<th>New SAT Math</th>
<th>ACT Math</th>
<th>ALEKS</th>
<th>Placement by Pre-requisite Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>For additional information on math courses see <a href="https://math.wvu.edu/courses-view">https://math.wvu.edu/courses-view</a></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Math 121</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>There are no prerequisites or placement scores required to register for MATH 121 (Intro Concepts of Mathematics) or STAT 111 (Understanding Statistics). These courses fulfill the WVU general education math requirement.</td>
</tr>
<tr>
<td>Intro Concepts of Mathematics</td>
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<tr>
<td>or</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Statistics 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Math 122 (Quantitative Skills and Reasoning) is a two-credit preparatory course for College Algebra (Math 126) and <em>does not</em> fulfill the WVU general education math requirement.</td>
</tr>
<tr>
<td>Understanding Statistics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Math 121 (Intro Concepts of Mathematics) does not satisfy the pre-req for any other math course.</td>
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<tr>
<td>Math 122</td>
<td>460</td>
<td>500</td>
<td>19</td>
<td>30.44</td>
<td>NA</td>
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<tr>
<td>Quantitative Skills and Reasoning</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Math 126B</td>
<td>540</td>
<td>570</td>
<td>22</td>
<td>45.64</td>
<td>C- in MATH 122 (non-STEM go into sections 100 or above, STEM majors enter into sections below 100).</td>
</tr>
<tr>
<td>College Algebra 4-Day</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math 128</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>MATH 128A or MATH 128B or MATH 128C with a minimum grade C-</td>
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<tr>
<td>Plane Trigonometry</td>
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<tr>
<td>Math 129</td>
<td>500</td>
<td>600</td>
<td>26</td>
<td>65.69</td>
<td>B- or better in 126B</td>
</tr>
<tr>
<td>Pre-Calculus Mathematics</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Math 150</td>
<td>590</td>
<td>600</td>
<td>28</td>
<td>65.89</td>
<td>MATH 128A or MATH 128B or MATH 128C or MATH 129 with minimum grade of C-</td>
</tr>
</tbody>
</table>
MOVING FORWARD…

• No sections of 126A will be offered in Fall 2017 and Spring 2018

• Anticipate adding placement via Aleks only for Math 128 in Spring 2018

• All changes will be completed by Fall 2018
TO SUMMARIZE…

1. Only accept ALEKS proctored attempts for placement
2. Math 122 prerequisite of
   i. SAT 460/500
   ii. ACT 19
   iii. ALEKS 30
3. Reintroduce Math 124 for majors that do not require Math 155
QUESTIONS?

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