<table>
<thead>
<tr>
<th><strong>Course Catalog Update</strong></th>
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</tr>
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<tbody>
<tr>
<td>&lt;&lt; Return to Search Results</td>
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<tr>
<td>Course Catalog Update Information:</td>
<td></td>
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<tr>
<td>Reference Number: CCU005127</td>
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<tr>
<td>Level: 3.00 of 3.00</td>
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<tr>
<td>Owner: Office of Curriculum Services, 330-672-8558 or 330-672-8559, <a href="mailto:curriculum@kent.edu">curriculum@kent.edu</a></td>
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</tbody>
</table>

**Basic Course Data**

- **Change type:** Revise
- **Faculty member submitting this proposal:**
- **Requested Effective Term:** 201380
- **Campus:** Kent
- **College:** AS-Arts and Sciences
- **Department:** MATH-Mathematical Sciences
- **Course Subject:** MATH-Mathematics
- **New Course Subject:**
- **Course Number:** 11022
- **New Course Number:**
- **Course Title:** TRIGONOMETRY
- **Title Abbreviation:** TRIGONOMETRY
- **Slash Course and Cross-list Information:**
- **Credit Hours:**
- **Minimum Credit/Maximum Credit:** 3/3
- **Contact Hours:** Lecture - Minimum Hours/Maximum Hours: 3/3
- **Contact Hours:** Lab - Minimum Hours/Maximum Hours:
- **Contact Hours:** Other - Minimum Hours/Maximum Hours:

**Attributes**

- **Is this course part of the LER, WIC or Diversity requirements:** Yes
- **If yes, course attributes:** 1. LMC-ler - Mathematics and Critical Reasoning 2. 3.

**Course Level:** Undergraduate

**Course Limit:**

**Grade Rule:** B-Standard letter

**Rationale for an IP grade request for this course (if applicable):**

**Schedule Type(s):** 1. LEC-Lecture 2. 3.

**Credit by Exam:** N-Credit by exam-not approved

**Prerequisites & Descriptions**

- **Current Prerequisite/Corequisite/Catalog Description:** Solution of triangles, trigonometric equations and identities. Prerequisite: minimum C (2.000) grade in MATH 11010 (may be a corequisite); or ALEKS math upper-level minimum score of 50; or ALEKS math single assessment minimum score of 67.

**Catalog Description (edited):** SOLUTION OF TRIANGLES, TRIGONOMETRIC FUNCTIONS AND IDENTITIES

**Prerequisites (edited):** Students who have not taken a previous mathematics course at Kent State must see an academic adviser for placement. Minimum C (2.00) grade in MATH 11010; or ALEKS math upper-level minimum score 50; or ALEKS math single assessment minimum score of 57.

**Corequisites (edited):** none

**Registration is by special approval only:** No

**Content Information**

**Content Outline:**

<table>
<thead>
<tr>
<th>Content Hours per Course Topic</th>
<th>Topic Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Algebra prerequisites</td>
</tr>
<tr>
<td>6</td>
<td>Angles and the trigonometric functions</td>
</tr>
<tr>
<td>10</td>
<td>Graphs of trigonometric functions</td>
</tr>
<tr>
<td>10</td>
<td>Trigonometric identities</td>
</tr>
<tr>
<td>9</td>
<td>Solving Trigonometric Equations</td>
</tr>
<tr>
<td>8</td>
<td>Applications of Trigonometry</td>
</tr>
<tr>
<td>1</td>
<td>Exam</td>
</tr>
</tbody>
</table>

**Total Contact Hours:** 45

**Textbook(s) used in this course:** Trigonometry by Mark Dugopolski
Writing Expectations: Sustained and coherent arguments in the solution of mathematical problems.

Instructor(s) expected to teach: All Math Faculty

Instructor(s) contributing to content: Gagala, Reed, Ryabogin, Saprunova, Yu

Proposal Summary

Explain the purpose for this proposal:

Changing the prerequisites

Explain how this proposal affects program requirements and students in your unit:

No changes other than the prerequisites

Explain how this proposal affects courses, program requirements and student in other units:

None

Explain how this proposal affects enrollment and staffing:

Will continue to be staffed as in the past

Units consulted (other departments, programs or campuses affected by the proposal):

Curriculum Services

Revisions made to form (if applicable):

- Course Content
- Credit by Exam
- Credit Hours
- Cross-Listed / Slash
- Description
- Diversity
- Grade Rule
- Liberal Education Requirement (LEP)
- Number
- Schedule Type
- Subject
- Title
- Title Abbreviation
- Writing-Intensive (WIC)
- Other

Curriculum Services Information:

Approved by EPC:

Cross-list Banner Code:

OBR Course Level:

OBR Program Code:

CIP Code:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

<table>
<thead>
<tr>
<th>Date</th>
<th>User</th>
<th>Comment</th>
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<tbody>
<tr>
<td>12/6/2012</td>
<td>Dmitry Ryabogin</td>
<td>No comments available.</td>
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History:

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<tr>
<td>3/26/2013</td>
<td>Mary Ann Haley</td>
<td>Approved</td>
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<tr>
<td>1/24/2013</td>
<td>Andrew M Tonge</td>
<td>Approved</td>
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<tr>
<td>12/6/2012</td>
<td>Dmitry Ryabogin</td>
<td>Submitted</td>
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