Course Change Request

Date Submitted: 12/20/17 5:11 pm

Viewing: ASCC SLCX-001 : Basic Math Skills BASIC-MATH-SKILLS-

Formerly Known As: SLCX 001

Last edit: 12/22/17 10:16 am

Changes proposed by: bari

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bari Brookins</td>
<td><a href="mailto:bari@tamu.edu">bari@tamu.edu</a></td>
<td>979-458-0693</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

Other

The proposed changes are part of a routine curriculum review.

Explain other rationale

The proposed changes are to align the existing course prefix (SLCX) with the new departmental code (ASCC)

Course prefix | ASCC SLCX | Course number | 001
Department     | TASP/TSI Administration |
College/School | Center for Acad Enhancement |
Academic Level | Undergraduate |
Undergraduate course level justification (Select One)

Academic Level | Non-Credit |
Effective term | 2018-2019 |

Complete Course Title | Basic Math Skills BASIC-MATH-SKILLS-NGB |
Abbreviated Course Title | BASIC MATH SKILLS SKILLS-NGB |

Catalog course description

Developmental instruction in mathematics; includes the integers and rational numbers and applications, exponents, polynomials, solution of equations, graphing, elementary geometry and reasoning skills. May not be used for credit toward a degree.

Prerequisites and Restrictions

Concurrent Enrollment | No |
Should catalog prerequisites / concurrent enrollment be enforced? | No |
Crosslistings | No |
Stacked | No |

In Workflow

1. TSPX Department Head
2. Curricular Services Review
3. AE College Dean
4. UCC Preparer
5. UCC Chair
6. Faculty Senate Preparer
7. Faculty Senate
8. Provost II
9. President
10. Curricular Services
11. Banner

Approval Path

1. 12/21/17 3:58 pm
   Joel McGee (jmcgee): Approved for TSPX Department Head
2. 12/22/17 10:16 am
   Sandra Williams (sandra-williams): Approved for Curricular Services Review
3. 12/22/17 11:50 am
   Ann Kenimer (a-kenimer): Approved for AE College Dean
4. 01/02/18 10:43 am
   Sandra Williams (sandra-williams): Approved for UCC Preparer
5. 02/05/18 2:01 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair
Semester: 0-3 hour(s) Contact Hour(s): Lecture: 0-3 hour(s) Lab: 0 Other: 0 Total: 0-3 hour(s)

Repeatable for credit: Yes

Number of times repeated for credit: 2 - OR - Maximum number of hours: 3

When will this course be repeated? Within a student's career

Three-peat? Yes

CIP/Fund Code: 3201040021

Default Grade Mode: Letter Grade(G) Satisfactory/Unsatisfactory(S)

Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction: Independent Study

Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No

Will this course be taught as a distance education course?: No

Is 100% of this course going to be taught in Texas?: Yes

Will classroom space be needed for this course?: No

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be(e)n submitted for core curriculum consideration?: No

Has/will this course be(e)n submitted for Writing or Communication consideration?: No

Has/will this course be(e)n submitted for ICD consideration?: No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus: ASCC 001.docx
Letters of support or other documentation
No

Additional information

Reviewer Comments
Sandra Williams (sandra-williams) (12/01/17 12:41 pm): Rollback: As requested.
Sandra Williams (sandra-williams) (12/20/17 1:53 pm): Rollback: Updates needed: The Semester Credit Hour field shows 0-3, however, the Lecture field shows 1-3. These should be the same in both places. The syllabus still shows “SLCM” listed but it should have the new prefix “ASCC.” Outcomes may be questioned – committee likes to see measureable outcomes (consider using verbs). “Late work will not be accepted...” – what about for University excused absences? Correct Aggie Honor Code website link missing.
Joel McGee (jmcgee) (12/20/17 4:31 pm): Rollback: Make needed changes.
Sandra Williams (sandra-williams) (12/22/17 10:16 am): Updates made to CIP code for an active
Sandra Williams (sandra-williams) (12/22/17 10:16 am): *active CIP code.
Jon Jasperson (jon.jasperson) (01/27/18 6:04 pm): Schedule should only have 14 weeks of content.
Sandra Williams (sandra-williams) (02/05/18 2:01 pm): UCC approved February 2018.

Reported to state?
Change
Instructor:    Sharon Haigler
Office Hours: 7:30 a.m. – 3:30 p.m.
Office: 1007 Rudder Tower
Math ISL: 1006 Rudder Tower
E-mail:  s-haigler@tamu.edu

Course Description:
This course is designed to help you master basic math, algebra, and geometry skills and to become more competent in mathematics. The assignments and instruction in the Independent Study Lab (ISL) will aid you in passing the Accuplacer and establish the necessary mathematics foundation for you to succeed in college level mathematics courses.

Text:
Each student will have an individualized course of instruction that may include textbooks, study materials, and computer software that will be provided for your use while in the ISL. These resources are the property of the Academic Success Center and may not be removed from the lab without permission. In addition, the following supplemental textbooks may be purchased to aid in instruction:

MyMathTest online program by Pearson/Addison-Wesley

Learning Outcomes:
Upon successful completion of this course, you will have mastered the following mathematical skills needed to form a foundation for the rest of your college mathematics courses by:

- Demonstrating operations involving real numbers
- Demonstrating application of ratio, proportion, and percent
- Using scientific notation and unit conversion
- Interpreting graphs, charts and tables
- Computing basic descriptive statistics
- Demonstrating operations of polynomials and algebraic expressions
- Solving equations and inequalities in one and two variables
- Graphing linear and quadratic equations and inequalities
- Demonstrating applications involving geometric figures
Grading Policy:

GRADING SCALE:
Out of 1000 assignable points
A = 900 - 1000 points
B = 800 - 899 points
C = 700 - 799 points
D = 600 - 699 points
F = <599 points

The overall grade in the course will be calculated as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOMEWORK</td>
<td>400</td>
</tr>
<tr>
<td>QUIZZES</td>
<td>400</td>
</tr>
<tr>
<td>PARTICIPATION/ATTENDANCE</td>
<td>200</td>
</tr>
</tbody>
</table>

For those students who are enrolled on an S/U basis, 700 or more points will equate to a final grade of S; points totaling less than 700 will equate to a final grade of U.

All assignments will receive a numerical grade. Students will be expected to complete a minimum of eight (8) objectives during the course of the semester. Final grades are determined by the simple average of all completed assignments. Satisfactory grades are given to students who complete and receive passing grades of 70% or better on a minimum of eight objectives, keep regular attendance and participate in the lab with the instructors.

Homework Assignments:
Continuous practice in newly-learned math concepts is key to progress. For this reason, you will occasionally be given short homework assignments, some of which may be online assignments. Students are responsible for getting assignments completed and submitted on time. The individual student must do all his or her own work, unless directed to collaborate with other students by the teacher. Late work, other than in the case of a University excused absence, will not be accepted and will result in an unexcused absence for the day.

Diagnostic Tests – each student will take a diagnostic test in order to discover his or her math ability and level.

Attendance:
Attendance in this state-mandated course is mandatory. A student is allowed three unexcused absences (totaling the equivalent of 150 minutes) per semester. Absences beyond this point are considered excessive. Each excessive unexcused absence will result in a deduction of 10 points from the Participation/Attendance category. Two or more excessive absences may result in the student’s withdrawal from Texas A&M University. Roll will be taken during the first two minutes of class. Students who enter the classroom 10 minutes or more after the class’ beginning will be considered absent regardless of whether they remain or not. Three tardies equal one absence.
Excused absences must be documented according to University policy, and this documentation must be presented to the teacher upon the student’s return to class. [See Student Rule 7 at http://student-rules.tamu.edu/rule07.] With excused absences, make-up work will be accepted within three (3) class periods following the absence. It is the student’s responsibility to inquire about missed work.

**Student’s Code of Conduct:**
Students should behave as if they were in a professional environment. As adults, students are responsible for:
- Asking question(s) when assignments are not clear;
- Asking for activities when current assignments are complete;
- Keeping track of their own work;
- Keeping aware of the requirements for completion of Texas Success Initiative requirements;
- Keeping regular attendance and participation.

Academic dishonesty will not be tolerated in this or any other course at Texas A&M University. Such actions include, but are not limited to, copying another student’s work, attempting to take credit for another’s work, giving or receiving assistance on tests or other assignments within the class. Any student involved in academic dishonesty will be penalized in accordance with published University Rules.

**Know the Code:** “An Aggie does not lie, cheat or steal, or tolerate those who do.”
For more information go to [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu).

**Americans with Disabilities Act (ADA) Policy Statement:**
The Americans with Disabilities Act (ADA) is a federal antidiscrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services in the Disability Services building at the Student Services at White Creek Complex on West Campus or call 845-1637. For additional information visit [http://disability.tamu.edu](http://disability.tamu.edu).
## TENTATIVE ASSIGNMENT SCHEDULE

Assignments may vary for each student. The following table represents a framework for the semester’s topics. Assignments are due at the next class period; however, students may submit their work prior to the due date and proceed with the next assignment. Quizzes are completed immediately upon reception of graded homework as determined by the instructor.

<table>
<thead>
<tr>
<th>WEEK 1</th>
<th>TOPIC</th>
<th>TEXT REFERENCE</th>
<th>ASSIGNMENTS</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>• Orientation &amp;</td>
<td>***</td>
<td>Complete diagnostic test</td>
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<tr>
<td></td>
<td>diagnostic testing</td>
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<tr>
<td>WEEK 2</td>
<td>• Common Fractions</td>
<td><strong>DEV MATH</strong> Cp. 2</td>
<td>• Fractional Notation</td>
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<td></td>
<td></td>
<td></td>
<td>• Multiplying/Division</td>
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<td></td>
<td>• Addition/Subtraction; order</td>
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<td>• Mixed Numerals</td>
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<td></td>
<td>• Applications</td>
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<td>• Order of Operations;</td>
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<td></td>
<td>Estimation</td>
</tr>
<tr>
<td>WEEK 3</td>
<td>• Complete Common</td>
<td><strong>DEV MATH</strong> Cp. 2</td>
<td>• Complete listed objectives</td>
</tr>
<tr>
<td></td>
<td>Fractions</td>
<td>*DEV MATH * Cp. 3</td>
<td><strong>QUIZ</strong></td>
</tr>
<tr>
<td></td>
<td>• Decimal Notation</td>
<td></td>
<td>• Decimal Notation; Order</td>
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<tr>
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<td>• Addition/Subtraction</td>
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<td>• Multiplication</td>
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<td></td>
<td>• Division</td>
</tr>
<tr>
<td>WEEK 4</td>
<td>• Complete Decimal</td>
<td><strong>DEV MATH</strong> Cp.3</td>
<td>• Converting from Fraction to Decimal Notation</td>
</tr>
<tr>
<td></td>
<td>Notation</td>
<td><strong>DEV MATH</strong> Cp. 4</td>
<td>• Estimating</td>
</tr>
<tr>
<td></td>
<td>• Percent Notation</td>
<td></td>
<td>• Applications</td>
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<td><strong>QUIZ</strong></td>
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<tr>
<td></td>
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<td></td>
<td>• Ratio and Proportion</td>
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<td>• Percent Notation</td>
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<td></td>
<td>• Percent to Fraction Notation</td>
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<tr>
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<td></td>
<td>• Solving Percent Problems Using Proportions</td>
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<tr>
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<td></td>
<td>• <strong>QUIZ</strong></td>
</tr>
</tbody>
</table>
| WEEK 5 | • Data, Graphs, and Statistics | **DEV MATH**  
Cp. 5 | • Averages, Medians, Modes  
• Tables, Pictographs  
• Bar Graphs/Line Graphs  
• Circle Graphs  
• QUIZ |
|--------|--------------------------------|-----------------|-----------------------------------------------------|
| WEEK 6 | • Introduction to Real Numbers & Algebraic Expressions | **DEV MATH**  
Cp. 7 | • Introduction to Algebra  
• The Real Numbers  
• Addition of Real Numbers  
• Subtraction of Real Numbers  
• Multiplication/Division of Real Numbers |
| WEEK 7 | • Introduction to Real Numbers & Algebraic Expressions  
• Solving Equations & Inequalities | **DEV MATH**  
Cp. 7 | • Properties of Real Numbers  
• Simplifying Expressions; Order of Operations  
• Summary & Review  
• QUIZ  
• The Addition Principle |
| WEEK 8 | • Solving Equations & Inequalities | **DEV MATH**  
Cp. 8 | • The Multiplication Principle  
• Using the Two Principles Together  
• Formulas  
• Application of Percent  
• Solving Inequalities  
• Summary and Review  
• QUIZ |
<table>
<thead>
<tr>
<th>WEEK 9</th>
<th>DEV MATH Cp. 9</th>
</tr>
</thead>
</table>
| ● Graphs of Linear Equations | ● Graphs & Applications  
‖ Slope and Applications  
‖ Equations of Lines  
‖ Graphing Using Slope and Y-Intercept  
‖ Parallel & Perpendicular Lines  
‖ Graphing Inequalities in Two Variables.  
‖ QUIZ |

<table>
<thead>
<tr>
<th>WEEK 10</th>
<th>DEV MATH Cp. 10</th>
</tr>
</thead>
</table>
| ● Polynomials: Operations | ● Integers as Exponents  
‖ Exponents & Scientific Notation  
‖ Intro to Polynomials  
‖ Addition/Subtraction  
‖ Multiplication  
‖ Special Products  
‖ Operations in Several Variables  
‖ Division  
| |QUIZ |

<table>
<thead>
<tr>
<th>WEEK 11</th>
<th>DEV MATH Cp. 11</th>
</tr>
</thead>
</table>
| ● Polynomials (Conclusion)  
● Factoring Polynomials | ● QUIZ  
‖ Intro to Factoring  
‖ Factoring Trinomials  
‖ FOIL Method  
‖ The ac-Method  
‖ Factoring Trinomial Squares  
‖ Solving Quadratic Equation by Factoring  
‖ Summary & Review  
‖ QUIZ |
| WEEK 12 | Rational Expressions & Equations | **DEV MATH**  
Cp. 12 | Multiplying & Simplifying  
Division & Reciprocals  
LCM’s & Denominators  
Adding  
Subtracting  
Solving Rational Expressions  
Complex Rational Expressions  
Direct & Inverse Variation  
**QUIZ** |
| WEEK 13 | Systems of Equations  
Radical Expressions & Equations | **DEV MATH**  
Cp. 13 | In Two Variables  
The Substitution Method  
The Elimination Method  
Applications/Problem-Solving  
Summary & Review  
**QUIZ**  
Intro to Radical Expressions  
Multiplying & Simplifying  
Quotients |
| WEEK 14 | Radical Expressions & Equations  
Quadratic Equations | **DEV MATH**  
Cp. 14 | Addition/Subtraction + More Multiplication  
Radical Equations  
Applications w/ Right Triangles  
**QUIZ**  
Intro to Quadratic Equations  
Completing the Square  
The Quadratic Formula |
| WEEK 15 | Quadratic Equations | **DEV MATH**  
Cp. 15 | Formulas  
Applications/Problem-Solving  
Graphs of Quadratic Equations  
Functions  
**QUIZ** |