

Campus Academic Resource Program (CARP) Workshop Catalog

CARP offers a variety of workshops throughout the academic year. This catalog is designed to introduce these workshops and to provide faculty members with examples to use when submitting a [Workshop Inquiry](#). To find out if CARP is offering any of these workshops during the semester, please contact the math, science, and business coordinator at carp.msb@gmail.com. If you are a professor and would like to request a workshop that is not already in this catalog, please visit our [Faculty Resources](#) page for directions.

Content-Based Workshops

These Workshops are offered at CARP's tutorial center throughout the semester. Content-Based workshops are designed to assist students with reviewing math, science, or business course content that we have found many students struggle with. Content-Based workshops are also designed to provide students an opportunity to practice course content and develop a greater understanding of course material in order to develop more confidence with difficult content.

All Content-Based workshops are made to be interactive. Students are asked questions about content throughout the workshop as well as given engaging exercises to participate in.

NOTE: An instructor may request that a version of any Content-Based workshop be given in their class. Please use the [Workshop Inquiry Form](#) and specify on the form that you would like a Content-Based Workshop for your course (also note which Content-Based Workshop you want presented to your class). CARP team members can also advertise these workshops to the students in your course and reserve space for them when the workshops are offered.

Math 60 Quadratics	<p>This interactive workshop is designed for students currently enrolled in ESM 60 or Math 60 who would like more exposure to quadratic functions and practice working with quadratic functions. This workshop is designed to help students:</p> <ul style="list-style-type: none"> • Understand the definition and forms of quadratic functions. • Develop skills for analyzing a quadratic problem. • Utilize the necessary techniques to find the standard form of quadratic functions. • Learn and explore useful applications of the vertex form. <p>This workshop contains interactive elements that provide students a chance to apply their prior knowledge about quadratics as well as practice material that are covered in the workshop.</p>
Math 70 Quadratics	<p>This interactive workshop is designed for students currently enrolled in ESM 70 or Math 70 who</p>

	<p>would like more exposure to quadratic functions and practice working with quadratic functions. This workshop is designed to help students:</p> <ul style="list-style-type: none"> • Understand the definition and forms of quadratic functions. • Develop skills for analyzing a quadratic problem. • Utilize the necessary techniques to find the vertex from of quadratic functions. • Learn and explore useful applications of the vertex form. <p>This workshop contains interactive elements that provide students a chance to apply their prior knowledge about quadratics as well as practice material that are covered in the workshop.</p>
Math 124/ DS 212 Binomial Distribution Workshop	<p>This interactive workshop is designed for students currently enrolled in Math 124 or DS 212 who would like more exposure to the binomial distribution. This workshop is designed to help students:</p> <ul style="list-style-type: none"> • Review the requirements of the binomial distribution and provide tips on recognizing them. • Review the binomial probability formula and its parts. • Review the mean and standard deviation of the binomial distribution and its application to the normal approximation. • Review the requirements of the normal approximation. <p>This workshop contains interactive elements that provide students a chance to apply their prior knowledge about binomial distribution as well as practice materials that are covered in the workshop.</p>
Math 199 Function Transformations Workshop	<p>This interactive workshop is designed for students currently enrolled in Math 199 who would like more exposure on various functions and its transformations. This workshop is designed to help students:</p> <ul style="list-style-type: none"> • Determine the important features of functions. • Review the relationship between function formulae and the manner that they shift. • Review the relationship between function formulae stretch. • Review the relationship between function formulae and its reflection about the x- and y-axis <p>This workshop contains interactive elements that offer students the chance to apply their prior knowledge about function transformations as well as practice materials that are covered in the workshop.</p>
Math 226 Curve Sketching Workshop	<p>This interactive workshop is designed for students currently enrolled in Math 226 who would like more exposure on understanding the relationships between first derivatives, second derivatives and curve sketching. This workshop is designed to help students develop skills for:</p>

	<ul style="list-style-type: none"> • Understanding the relationship between extrema, critical points, and the first derivative. • Understanding the relationship between concavity, inflection points, and the second derivative. • Classifying extrema as minima or maxima. • Identifying vertical and horizontal asymptotes of functions. <p>This workshop contains interactive elements that give the students a chance to apply their prior knowledge about curve sketching as well practice the materials that are covered in the workshop.</p>
<h3 style="text-align: center;">Study Skills Workshops</h3> <p>These Workshops are offered at CARP’s tutorial center throughout the semester. Study skills workshops are designed to assist students by providing various strategies and opportunities to review, practice, and apply concepts and skills that many students struggle with. These workshops involve skill building exercises which are applied in various math-related contents. In addition, these workshops are designed to provide students with an opportunity to review and apply various study skills in a peer-to-peer environment so that they can develop their skills in becoming an independent learner.</p> <p>All study skills workshops are designed to be interactive. Students are asked questions about content throughout the workshop as well as given engaging exercises to participate in.</p> <p>NOTE: An instructor may request that a version of any Study Skill workshop be given in their class. Please use the Workshop Inquiry Form and specify on the form that you would like a Study Skill Workshop for your course (also note which Study Skill Workshop you want presented to your class). CARP team members can also advertise these workshops to the students in your course and reserve space for them when the workshops are offered.</p>	
<p>Math Test Preparation Workshop</p>	<p>This interactive workshop is designed for students who are preparing for a math examination and are looking to develop various study skill strategies that can be helpful prior to a math examination. This workshop is designed to help students:</p> <ul style="list-style-type: none"> • Develop general strategies that can be used when studying for a math exam. • Learn skills that can be taken to assess understanding throughout the process of studying. • Learn methods for delegating time for test preparation and math examination. <p>This workshop contains interactive elements that provide students a chance to develop strategies that are applicable for preparing for a math exam.</p>
<p>Math Algebra Boot Camp Workshop</p>	<p>This interactive workshop is designed for students who have already taken Algebra I and Algebra II in the past and need additional assistance in reviewing concepts that they may have forgotten. This is particularly helpful for students enrolled in science courses that utilize mathematical skills.</p>

This workshop is designed to help students review concepts related to:

- General Algebraic Manipulations
- Laws of Exponents
- Linear Functions
- Systems of Equations
- Rational Expressions
- Polynomials
- Fractions
- Laws of Logarithms
- Quadratic Functions
- Inequalities
- Radical Expressions
- Factoring

This workshop contains interactive elements that provide students a chance to review skills that were developed from their Algebra course.