<table>
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| 9:30-10:00 a.m. | **Beyond Calculus**  
Modeling in the Curriculum from 5th Grade Through Differential Equations  
Pamela Webster, Texas A&M University  
**Calculus**  
Ziappi the Yodium: Apps and Applications for Liberal Arts Students  
Rachel Casacu & George Casacu, Georgia College  
**Real World Applications**  
Learning Assistants in Blended Classrooms - Peer Learning On-site and Online  
Resh Abhuvan & John Sabine, Texas Lutheran University  
**Pedagogy, Assessment & Research**  
The Role of Technology in Inverted Versus Traditional Instruction  
Reza Abbasian & John Sieben, Western Michigan University  |
| 10:15-10:45 a.m. | **Pedagogy, Assessment & Research**  
Problem-Based Learning to Enhance Students’ Achievement  
Laura Ferrer & Marta Brito-Vilari, Miami Dade College  
**Calculus**  
Assessment for Online Calculus with or without Proctoring  
Rodica Curtico & George Casacu, Georgia College  |
| 11:00-11:30 a.m. | **Beyond Calculus**  
Real World Applications  
**Statistics**  
Using Technology to Foster Data Visualization  
Elaine Taylor, Northeastern University  
**Pedagogy, Assessment & Research**  
Leveraging “Just in Time” Tutoring Support to Increase Student Success and Retention in Your Course  
Kendra Mooney, Stratford University  |
| 12:30-1:00 p.m. | **Beyond Calculus**  
Statistics  
**Statistics**  
Using Excel with Internet Data  
Salvador Vera, University of South Carolina, Columbia  |
| 1:15-1:45 p.m. | **Beyond Calculus**  
Statistics  
**Statistics**  
Using Technology to Increase Student Engagement in Online Calculus Courses  
Laurn Woodman, University of Southern Maine  |
| 2:00-2:30 p.m. | **Beyond Calculus**  
Statistics  
**Statistics**  
Incorporating Mindsets into Corequisite Courses  
George Woodbury, College of the Sequoia  |
| 3:00-3:30 p.m. | **Beyond Calculus**  
Statistics  
**Statistics**  
Using Parking Lot Data Collection to Study Climate Science and Hot Cars in Introductory Math and Stats  
Brian Adams, United States Military Academy, West Point  |
| 3:45-4:15 p.m. | **Beyond Calculus**  
Statistics  
**Statistics**  
Results of Digital Courseware Project Using Learning Catalytics and Technology  
Eric Samansky & Jason Gerstacker, Nova Southeastern University  |
| 9:30-10:00 a.m. | **Math Education/ Teacher Prep**  
Modeling in the Curriculum from 5th Grade Through Differential Equations  
Pamela Webster, Texas A&M University  
**Calculus**  
Ziappi the Yodium: Apps and Applications for Liberal Arts Students  
Rachel Casacu & George Casacu, Georgia College  
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### MINI-COURSES Friday, March 15

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<tr>
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<td></td>
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<tr>
<td>12:30-2:00 p.m.</td>
<td>Real World Applications</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:15-3:45 p.m.</td>
<td>Calculus</td>
<td></td>
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</tbody>
</table>

#### MERRIAM
- **Before Calculus**
  - Graphing with GeoGebra
    - David Ray
    - University of Tennessee, Martin

- **Real World Applications**
  - Assessment: From a Silent Killer of Learning to an Active Driver of Deeper Learning
    - Kristin Arney, Kylea Blyman, Lisette Bremberg, Scott Lynch, Scott Warriner & Frank Watson
    - United States Military Academy

- **Calculus**
  - Drones: Climate Science, Hot Cars, Personal & Public Health Policy & Math
  - Bryan Adams, Diana Thomas
  - United States Military Academy

#### LOWELL
- **Before Calculus**
  - Modeling with Spreadsheets
    - Eric Sane
    - Bristow College

- **Real World Applications**
  - Welcome to Mathematica
    - Jason Grigeren
    - Michigan Technological University

- **Calculus**
  - Enhance Your Mathematics Classroom Using Active Learning and Technology
    - Angie Hodge, Northern Arizona University
  - Using MyLab Math & Statistics

#### TRAILBLAZER A
- **Statistics**
  - Maple for the Classroom: Tips, Tricks, and Techniques
    - Douglas Meade
    - North Carolina State University
  - Camtasia: Beginning
    - Sarah Mabrouk
    - Framingham State University

- **Teaching Calculus Online**
  - Online Learning Programs and Developmental Math Students – Making a Marriage That Works
    - Stephanie Walker
    - Pearson

### MINI-COURSES Saturday, March 16

<table>
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<td>9:00-10:30 a.m.</td>
<td>Calculus</td>
<td></td>
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<tr>
<td>10:45 a.m.-12:15 p.m.</td>
<td>Corequisite</td>
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<td>2:30-4:00 p.m.</td>
<td>Real World Applications</td>
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#### MERRIAM
- **Calculus**
  - Designing an Effective Corequisite Program, Including Algebra and Statistics Activities
    - Mary Lehmann
    - College of San Mateo

- **Corequisite**
  - Creating a Course: Results by Design
    - Stephanie Walker
    - Pearson

#### LOWELL
- **Teaching Calculus Online**
  - Mobile Apps for Encouraging Student Interaction in Math Classes
    - Reuven Narsesman
    - New York University

- **Statistics**
  - Using Desmos to Encourage Mathematical Discourse and Reasoning
    - Eric Hofbauer
    - University of Wisconsin, River Falls

#### TRAILBLAZER A
- **Teaching Calculus Online**
  - Using MyLab Math & Statistics
    - Sam Zhang
    - Union County College

- **Corequisite**
  - Teaching Successful Online Math Courses
    - Calandra Davis
    - Pearson

- **Real World Applications**
  - Assessing: From a Silent Killer of Learning to an Active Driver of Deeper Learning
    - Kristin Arney, Kylea Blyman, Lisette Bremberg, Scott Lynch, Scott Warriner & Frank Watson
    - United States Military Academy

#### TRAILBLAZER B
- **Real World Applications**
  - Corequisite Support MyLab Math Modules: Flexible Material to Build Your Support Courses
    - The Corequisite Support Faculty Team led by George Woodbury
    - College of the Sequoias

  - Designing an Effective Corequisite Program, Including Algebra and Statistics Activities
    - Mary Lehmann
    - College of San Mateo

  - Creating a Course: Results by Design
    - Stephanie Walker
    - Pearson

  - Online Learning Programs and Developmental Math Students – Making a Marriage That Works
    - Stephanie Walker
    - Pearson

  - MapMaths: Working with Students, Building Your Support Courses
    - Missy Anderson
    - Pearson