

California Mathematics Council Community Colleges South (CMC³-South)



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2015 Annual Spring Conference Ignite[®] Event; 19:00 Friday, March 13, 2015
 DoubleTree by Hilton Hotel Anaheim – Orange County; 100 The City Drive; Orange, California; 92868



1	<p>FRED FELDON, <ffeldon@coastline.edu>, Coastline Community College</p> <p style="text-align: center;"><i>SCOT – Helping Good Teachers Get Better</i></p> <p><i>Students Consulting on Teaching (SCOT) trains students to provide confidential feedback and student perspectives on your class. This faculty driven, highly effective program also benefits the students involved.</i></p>
2	<p>JENNIFER GIDDINGS, <jmeyersg@gmail.com>, Santa Ana College and Orange Coast College</p> <p style="text-align: center;"><i>The Mathematical Disease</i></p> <p><i>There is a negative attitude towards math in our culture. We need to change this attitude in favor of one which truly accepts mistakes and failure as stepping stones to success. If we don't address this cultural issue, we will only ever treat the symptoms, not the underlying disease.</i></p>
3	<p>TUYETDONG PHAN-YAMADA, <tphanyamada@yahoo.com>, Glendale Community College</p> <p style="text-align: center;"><i>Hypocycloids, Hypotrochoids and Polar Curves</i></p> <p><i>This talk compiles several theorems relating to Hypocycloids and Epicycloids with the aim of providing a project for calculus students interested in a further understanding of polar curves. Relationships with circulant graphs and ancient Greek models of planetary orbits are also described.</i></p>
4	<p>JEREMIAH A. GILBERT, Ph.D., <jgilbert@valleycollege.edu>, San Bernardino Valley College</p> <p style="text-align: center;"><i>A History of Modern Mathematical Symbols (In Twenty Slides)</i></p> <p><i>Curious when long division was first written in its (near) present form or who added the vinculum to the radical symbol? In twenty slides (including title and references), this brief presentation will document the earliest known uses of several modern mathematical symbols.</i></p>
5	<p>JOHN THOO, <jthoo@yccd.edu>, Yuba College</p> <p style="text-align: center;"><i>Waves</i></p> <p><i>The mathematical theory of waves is a rich source of PDEs that are accessible to students taking multivariable calculus. We present suitable examples of waves that include traveling waves, solitons, shocks, and tsunamis.</i></p>
6	<p>HELEN BURN, <hburn@highline.edu>, Highline College</p> <p style="text-align: center;"><i>The Gender Variable in Statistics</i></p> <p><i>The thesis of this presentation is that statistics instructors should be thoughtful in their use of a binary variable for gender (e.g., man/woman). Recognizing that disaggregating data by gender can be important, the presentation makes recommendations for changing instruction in order to educate students about the gender variable and current thinking about gender identity.</i></p>
7	<p>RACHEL WINSTON, Ph.D., <rwinston@cerrocoso.edu>, Cerro Coso College MICHELLE TAHAN, <michelletahan@gmail.com>, George Washington University</p> <p style="text-align: center;"><i>Demystifying the Production of Dynamic Videos</i></p> <p><i>Academic videos are not designed to replace the teacher, but rather enhance instruction. Thus, they are used as an aid in helping students develop an understanding through context, history, and examples so that ideas resonate. The goal is to engage students by showing locations, events, or experiments they could not see otherwise. We present five basic steps to creating academic videos.</i></p>
8	<p>JEFFREY SAIKALI, <newtonian_calculus@yahoo.ca> (not “.com”), San Diego Miramar College</p> <p style="text-align: center;"><i>19 Areas to Excel in Academic Maturity</i></p> <p><i>Greatly missing from today's academic curricula is long-term instruction to students on how to be productively studious across subjects and throughout their post-secondary schooling. I will share advice that we can give students regarding good study habits, self-discipline, and a general striving for excellence in their work.</i></p>