

Kansas Mathematical Association of Two-Year Colleges

Spring Conference . . . March 8, 2014

Pratt Community College, Pratt, KS

Program

8:30 – 9:00	Registration and Light Snacks
9:00 – 9:15	Welcome and Introductions <i>Timothy Warkentin, KAMATYC President, Cloud County CC</i> <i>Dr. Michael Westerhaus, Vice President of Instruction, Pratt CC</i>
9:15 – 10:00	<i>Teaching All Hours of the Day (Even While You're Asleep!)</i> <i>Kent Craghead, Dodge City Community College</i> This will be a presentation on using the “Educreations” iPad app for recording a classroom activity or creating a lesson/tutorial that students can access outside of class time. The presentation will show features of the app for presenting content to students and will demonstrate how these lessons can be saved so students can access the material online.
10:05 – 10:25	<i>Customized Student and Learning Results</i> <i>Kevin Doherty, Pearson Education</i> Technology is changing the way instructors teach and students learn. As higher education moves toward more Competency Based Models, MyMathLab with Knewton Adaptive Learning can help by customizing standardized educational content to meet the unique needs of each student in the class, resulting in a more robust classroom experience and improved learning outcomes. Let’s explore some of the ways this adaptive technology can be used to improve student experience and results in the classroom using traditional, hybrid, flipped, emporium, and online classes.
10:25 – 10:40	Break
10:40 – 11:25	<i>Open Education</i> <i>Dylan Faullin, Dodge City Community College</i> In this talk, Dylan Faullin uses personal anecdotes to highlight changes in various industries brought on by advancements in technology and then considers how higher education might change in similar ways for similar reasons, ending with predictions about the future of higher education.
11:30 – 12:15	<i>Discussion: Elementary Statistics Core Outcomes</i> <i>Paul Walcher, Neosho County Community College</i> In September 2013, core outcomes were approved for Elementary Statistics at the Kansas Core Outcomes Group meeting. In the January 2014 meeting of the Transfer and Articulation Commission, the outcomes were approved with one significant exception. The TAAC requested that we move the statement requiring College Algebra as a prerequisite to the comments and change it to a recommendation rather than a requirement. During the presentation an update will be given on recent developments and the rest of the time will be given over to discussion.
12:15 – 1:15	Lunch

- 1:15 – 1:35 ***Curve Fitting Using Excel***
Timothy Warkentin, Cloud County Community College
This talk will demonstrate how Excel can be used to fit curves to sinusoidal data sets generated during a Mass-Spring Harmonic Motion experiment in my Trigonometry class. If time permits the new TI-84 Plus C Silver Edition calculator and its associated TI-SmartView Color emulation software will also be shown.
- 1:40 – 2:25 ***Barton ACEmath program: reflecting after the first year***
Brian Howe, Barton County Community College
At last year's KAMATYC, we shared about a recent developmental math redesign that we developed and implemented. Our pilot has been completed and we are starting a full implementation. In this talk, I will conduct a very quick overview about our redesign course for participants who weren't at last year's KAMATYC and share some student data (success rates among other things) and reflect on the year and where we are going with the project.
- 2:25 – 2:35 Break
- 2:35 – 3:20 ***And You Thought the Birthday Problem Was Only a Curiosity?***
Steve Wilson, Johnson County Community College
The birthday problem (how many people are needed so that the probability that two will share the same birthday is at least 50%?) is often presented as an interesting probability problem, but without much relationship to other topics. The presenter will expand your horizons on this problem, from Johnny Carson to extraterrestrial calendars to digital signatures, along with a healthy dose of approximation methods and probability distributions, sprinkled with a few historical tidbits.
- 3:20 – 3:25 Break
- 3:25 – 4:15 KAMATYC Business Meeting