

UConn ECE Math Communicator

Newsletter of UConn's Early College Experience Program in Mathematics

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Save the Date for the 2009 Annual Workshop

The 2009 Re-certification workshop will take place Monday, August 24, 2009, starting at 9:00am, room to be announced, with sign-in starting at 8:30am.

As in the past, application will be made for attendees of the complete program to receive the appropriate amount of CEUs for participating in the workshop. We anticipate that the application will again be approved and that we will provide forms at the meeting to obtain the CEU credits.

Our line up for the 2009 Re-certification workshop is Tim Craine, Fabiana Cardetti and yours truly:

Tim Craine, Professor of Mathematics and Chair of the Department of Mathematics at Central Connecticut State University will speak about "Matrix Representations of Geometric Transformations"

Abstract: Matrices are a powerful tool for representing geometric transformations. In this presentation we will explore their place in high school geometry and pre-calculus courses. Participants are encouraged to bring calculators with them. The presenter will be using a TI-83.

Fabiana Cardetti is a professor in the Department of Mathematics at UConn and a Teachers for a New Era (TNE) Fellow. The University of Connecticut's TNE project started with a \$5 million dollar grant awarded by the Carnegie Corporation of New York with support from the Ford and Annenberg Foundations. Fabiana is one among the many faculty members from the College of Liberal Arts and Sciences who work collaboratively with faculty and staff from the NEAG School of Education in the TNE initiative. TNE seeks to strengthen teacher education through the integration of liberal arts and education

curricula so that students receive thorough instruction in pedagogy and the subjects they intend to teach.

I will finish up the day talking about the changes to the UConn ECE Math Program.

Our May 2008 Re-certification workshop went very well. Thanks to our speakers: Dan Bochicchio (EO Smith HS, "Mathematics: Why Be 'Discrete' About it?"), Keith Conrad (UConn, "Patterns in Decimal Expansions") and our ECE staff: Jennifer Griffin and Erin Blanchette who put it all together.

The pdf versions of the talks are now posted online in the Certified Teacher Resources at <http://www.math.uconn.edu/ece>.

Thinking ahead, the 2010 re-certification workshop will be on Friday, May 21, 2010.

Stats from AY 2007-2008

In AY 2007-2008, we gave a total of 1442 grades to 897 students spanning 106 classes at a total of 44 high schools by 52 UConn certified adjunct professors. That's quite something! An incredible 82% of those grades were credit bearing grades that can be used for at UConn or transfer to other institutions.

In Fall 2007, we taught 3 sections of Math 103Q, 2 sections of Math 107Q, 28 sections of Math 112Q and 24 sections of Math 115Q.

In Spring 2008, we taught 3 sections of Math 103Q, 2 sections of Math 107, 28 sections of Math 113Q and 16 sections of Math 116Q.

Preliminary Stats For AY 2007-2008

In Fall 2008, we taught 1 section of 1030Q and 5 sections of 1040Q, 33 sections of 1120Q and 21 sections of 1131Q with a grand total of 850 students where 81% received credit granting

grades.

Although data for spring is not complete, we can say that our total Math ECE enrollment for AY 2008-2009 is 1550 students. That's a 7.5% increase over AY 2007-2008.

New Courses

Just as soon as you have gotten used to the new course numbering system, we go ahead and stop offering two of them and replace them with two others:

No longer offered as of Fall 2009:

Math 1120Q and 1121Q

New courses offered starting Fall 2009:

Math 1125Q (Calculus Ia)
and Math 1126Q (Calculus Ib)

For those who don't already know, Math 1125Q and 1126Q are each 3-credit courses which combined cover the material of Math 1131Q (Calculus I).

Information about these courses are posted online in the Teacher-Certified Resources section of the Math ECE web pages and at the August re-certification workshop.

So the UConn ECE course offerings for the 2009-2010 academic year are:

Math 1030Q (Elementary Discrete Mathematics)
Math 1040Q (Elementary Mathematical Modeling)
Math 1125Q (Calculus Ia)
Math 1126Q (Calculus Ib)
Math 1131Q (Calculus I)
Math 1132Q (Calculus II)

Math 1125Q and Math 1131Q are offered only in the Fall semester and Math 1126Q and Math 1132Q are offered only in the Spring semester. However, Math 1030Q and Math 1040Q will continue to be offered both semesters.

Please let all your students know.

Grade Assignment Process Change For Math 1030Q and 1040Q

Starting in Fall 2009, the process for assigning grades for Math 1030Q and Math 1040Q will change. The change will be more in-line with the process used for the Calculus Classes. It will be exactly the same and the exam will still be written by the partner high school instructor, but change somewhat similar that that used for Calculus and will enable the ECE program to quantify the comparability required by our NACEP accreditation.

Updated Web Look

If you haven't looked at the web pages lately, you will notice that there are slight differences in the Math ECE web pages. They should be easier to navigate. The login and password for the Certified-Teacher Resources is still the same.

Class Roster Accuracy

Please make sure that the class rosters are accurate. You can all now view your class rosters online. Please make sure that they are all correct. Keep in mind that the class roster and the grade roster are different. If a student was withdrawn after the grade roster was generated by the registrar's office, then it may not reflect the updated class roster. If so, let me know and we have the grade roster regenerated based on the updated class roster.

Come September, you and/or the site representative will have to sign and return the class rosters to the ECE office. Our records and yours need to be correct and if not, then as always, it's the student will pay – literally! So for all our sakes, please look these over carefully and let us know right away of any problems. Erin Blanchette, 860-486-1045, erin.blanchette@uconn.edu, in the ECE office can help with any registration issues.