MTE615/715 INTERDISCIPLINARY COLLOQUIUM SERIES IN STEM EDUCATION I/II

This course was set up as a year-long seminar series for students to participate in lectures offered at the Kaput Center’s Interdisciplinary Colloquium. This series provides a wide variety of perspectives on foundational issues in STEM educational research.

Aims of Course:
Over the course of one year a coherent synthesis of the themes presented in these talks and the related scholarly work of each speaker will be developed.

Requirements of course for all students:
1. Attend all presentations of the colloquium series for the present academic year – see appendix for the latest academic calendar of events.
2. Active participation in all presentations as led by the speaker and convenor (normally the Director of the Kaput Center)
3. Read all literature associated to each talk. This will be formally assigned at the Kaput Center site and might be supplemented by the speaker – see here for compulsory reading: http://www.kaputcenter.umassd.edu/events/cs/. If you cannot gain access to this material through the library then please contact the Chair.
4. Actively participate in the Blog associated to the colloquium speakers – see here: http://kaputcenter.blogs.umassd.edu/
5. Complete a report by the 20th May of the close of the academic year of no more than 5000 words formatted APA style (6th edition) synthesizing the main themes of all speakers and critically analyzing one paper/publication associated to one of the speakers. A member of the STEM Ed department and the Chair will review this report. It is expected that this assignment will help the student in compiling their evolving literature review hence we expect this course to largely be a self-directed learning experience drawing on the debate and interaction at each of the talks and through sustained discussion on-line through the Kaput Center Blog.

The STEM Ed Depm Chair is the Professor on record (unless otherwise stated) and will answer all questions related to the administration of this course. However, there are no office hours associated with this course. The Chair will maintain an attendance and participation record for the colloquia and in their absence appoint someone to maintain these records.
Attendance Policy: Students are required to attend all lectures. If you are absent then you are still required to attend on-line and be actively involved in discussion. Please contact the Chair directly for specific information regarding connectivity. UMassD is not responsible for your on-line connection but we guarantee offering video and text-conferencing facilities. If you are sick then you will need to offer a doctor’s report or a satisfactory form of excuse. All absences should be reported directly to the Chair. You will be notified of all on-line facilities prior to each talk via your UMassD email.

09.15.2010
Professor Stephen Hegedus
Chair, STEM Education Depm
CALENDAR OF EVENTS

2010-11 Interdisciplinary Colloquium Series

Title: How is Creativity in Schools? Remarks on Intimacy, Identity & Motivation
*Dr Stephen Hegedus*
University of Massachusetts Dartmouth
Wednesday 6th October 2010; 3:30-5pm, University of Massachusetts Dartmouth, 1st Floor, Library Browsing Area
[Abstract](#)

Title: The Forensic Science Crime Laboratory: CSI@URI
*Dennis Hilliard*
URI & The Rhode Island Crime Laboratory
Wednesday 27th October 2010; 3:30-5pm, Kaput Center
[Abstract](#)
Title: Perceiving and Conceiving in Mathematics & Science  
*Drs Robert Goldstone & Richard Lesh*  
Indiana University  
Wednesday 10th November 2010; 3:30-5pm, Kaput Center  
[Abstract](#)

Title: Data Games  
*William Finzer & Dr Cliff Konold*  
KCP Technologies & University of Massachusetts Amherst  
Wednesday 8th December 2010; 3:30-5pm, Kaput Center  
[Abstract](#)
Title: TBD

Dr Paul Goldenberg
Educational Development Center (EDC)
Wednesday 9th February 2010; 3:30-5pm, Kaput Center

Abstract

Title: Stars in the Classroom: Teaching Geometry Through Islamic Art

Dr Pamela Karimi
University of Massachusetts Dartmouth
Wednesday 9th March 2010; 3:30-5pm, Kaput Center

Abstract
Title: TBD
Dr G. Michael Barnett
Boston College
Wednesday 30th March 2010; 3:30-5pm, Kaput Center
Abstract

Title: Design, Research, and Design-Based Research Methods: How Can We Improve and Study How People Live and Learn with Their Technology?
Dr Chris Hoadley
New York University
Wednesday 20th April 2010; 3:30-5pm, Kaput Center
Abstract
Title: Designers Speak: Challenges in US Mathematics Education Through A Curriculum

developer lens

Dr Glenda Lappan
Michigan State University
Wednesday 4th May 2011; 3:30-5pm, Kaput Center

Abstract