Connect the College Teaching with the Science of Learning

Agenda

9:00-10:00  Plenary Session .......................................................... Ballroom

Welcome and Opening Remarks
Constance Cook – Associate Vice Provost; Executive Director, CRLT
Lester Monts – Senior Vice Provost for Academic Affairs and Arthur F. Thurnau Professor of Music

Keynote Address
How What We Know about Human Memory Can Help All Students Learn
Robert Bjork – Distinguished Professor of Psychology, University of California, Los Angeles

Learning in a Diverse Environment
Patricia Gurin – Arthur F. Thurnau Professor, Nancy Cantor Distinguished University Professor Emerita of Psychology and Women's Studies, University of Michigan

Program Overview
Crisca Bierwert – Associate Director, CRLT

10:10-11:10  Concurrent Sessions 1: Summary of Research and Implications for Teaching

Brief presentations will be followed by Q&A.

- Cultivating Memory in Large Lecture Courses ................................................ Vandenberg Room
  Research on the mind's processes of recall and retention of information can benefit both instructors and students in a lecture (or mini-lecture) setting.
  Robert Bjork – Psychology, UCLA
  with comments from Thad Polk – Psychology, UM; and Priti Shah – Psychology, UM

- Understanding How Students Learn to Know – and Then Know Better .............. Hussey Room
  Research findings on students' development provide a framework for rethinking progress in student work, especially in areas that challenge their preconceptions.
  Patricia King – Higher Education

- Enhancing Student Learning Through Classroom Dialogues ......................... Kalamazoo Room
  Research on student learning in courses where dialogue and dialogue skills were the focus suggests implications for more traditional discussion courses.
  Patricia Gurin – Psychology, Women’s Studies, and Intergroup Relations

- Using Metacognition to Foster Students’ Disciplinary Thinking and Writing Skills  Michigan Room
  Research has identified brief, easily implemented reflective activities to help students better understand discipline-specific modes of thinking and writing.
  Matt Kaplan – CRLT
  Deborah Meizlish – CRLT
  Naomi Silver – Sweetland Center for Writing
  Danielle LaVaque-Manty – Sweetland Center for Writing
11:20-12:10 Concurrent Sessions 2: Faculty Experiences Using Research on Learning

In each of the following sessions, UM faculty members will present the insights they gained and teaching practices they developed as a result of participating in projects on the science of learning.

- Strategies for Lecture Settings ................................................................. Vandenberg Room
  Laura Olsen – Molecular, Cellular, and Developmental Biology
  Maria Cotera – American Culture and Women’s Studies
  Brenda Gunderson – Statistics

- Rethinking the Scaffolding of Teaching .................................................. Kalamazoo Room
  Angela Dillard – Afroamerican and African Studies, Residential College
  Brian Noble – Computer Science and Engineering
  Jesse Hoffnung-Garskof – History and American Culture

- Cultivating Student Interaction in Gateway Classes ..................................... Hussey Room
  Mark Banaszak-Holl – Chemistry
  Karen Rhea – Mathematics
  Perry Samson – Atmospheric, Oceanic and Space Sciences

- Engaging Students in Metacognitive Writing Practices ................................. Michigan Room
  Mika LaVaque-Manty – Political Science
  Margaret Evans – Psychology

12:20-1:30 Lunch and Discussion ........................................................................ Ballroom
Lester Monts – Senior Vice Provost for Academic Affairs and Arthur F. Thurnau
Professor of Music

Robert Bjork and Pat Gurin will respond to questions submitted earlier.

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Thanks to the Teagle Foundation for support of the CRLT Colloquium on the Science of Learning and the CRLT-Sweetland Metacognition Project, and for partial support of this Provost’s Seminar.

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Resources

For more information on the CRLT Colloquium on the Science of Learning and the CRLT-Sweetland Metacognition Project, including bibliographies, see http://www.crlt.umich.edu/faculty/scilearning.php

Articles and presentation materials will be available to participants on the CTools site named "Provost's Seminar."
Participants in the CRLT Colloquium on the Science of Learning

Science of Learning Scholars

Patricia Gurin
Patricia King
Thad Polk
Jeffrey Sanchez-Burks
Priti Shah

Fellows in the Science of Learning

Marc Ammerlaan
Mark Banaszak-Holl
Liz Cole
Maria Cotera
Jasmine Crumsey
Vince Diaz
Angela Dillard
Matthew Elsey
Gus Evrard
Anna Gilbert
Brenda Gunderson
Jesse Hoffnung-Garskof
Josephine Kurdziel
Rebecca Lahti Matz
Tiya Miles
Isabel Millan
Eric Mueggler
Susan Najita
Brian Noble
Laura Olsen
Karen Rhea
Desdamona Rios
Perry Samson
Amy Stillman

Participants in the CRLT-Sweetland Metacognition Project

James Adams
Matthew Backus
Daniel Choe
Kyla Day
Reid Dorsey-Palmateer
Margaret Evans
Michael Gough
Stephanie Guthrie
Jon Lane
Danielle LaVaque-Manty
Mika LaVaque-Manty
Daniel Marcin
Scott McCann
Rika Meyer
Naomi Silver
Benjamin Stearns
Elizabeth Thomason
Samantha Worzalla
Brendan Wright

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