

Provost's Seminar on Teaching
Tuesday, March 15, 2011, 8:30 a.m. – 1:30 p.m.
Michigan League Ballroom

Connecting 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

Naomi Silver – Sweetland Center for Writing

Deborah Meizlish – CRLT

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	Jeffrey Sanchez-Burks
Patricia King	Priti Shah
Thad Polk	

Fellows in the Science of Learning

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

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**Participants in the CRLT-Sweetland
Metacognition Project**

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

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