



The **National Center** for
Academic Transformation

**COURSE REDESIGN WORKSHOP IN MATHEMATICS
AT
LOUISIANA STATE UNIVERSITY**

Pleasant Hall, LSU, Baton Rouge, LA
April 17, 2008

Agenda

All meetings will be held in 1155 Pleasant Hall unless otherwise designated.

8:30 – 9:00 Registration in 1240 Pleasant Hall

9:00 – 9:10 Welcome - Frank Cartledge, Vice Provost and Professor of Chemistry

9:10 – 9:20 Introductions of Math Administration, Faculty, and Staff - Phoebe Rouse, Redesign Program Coordinator and College Algebra Course Coordinator

9:20 – 9:40 NCAT Redesign Programs – Carolyn Jarmon, Senior Associate, NCAT

9:40 – 10:00 Why Redesign College Algebra at LSU? – Jimmie Lawson, Boyd Professor of Mathematics and Chair of the College Algebra Redesign Committee

LSU faced significant resource problems in a course that enrolled 3000 students annually because the institution experienced a reduction in the number of instructors in the math department. Jimmie Lawson will provide an overview of that situation at LSU and how the redesign project got started.

10:00 – 11:00 The Process of Course Redesign at LSU - Phoebe Rouse

Three courses are offered in this redesign model with a total enrollment of over 4000 students annually. Phoebe Rouse will describe the process LSU used in developing and implementing the redesign of precalculus mathematics and how the current math learning experience evolved. She will share the challenges LSU faced as they developed this new learning environment and how they have overcome these in one of the largest courses taught at LSU. She will also share the learning results that students have experienced in this redesign course and how this will affect retention and graduation rates.

11:00 – 11:30 Tour of the LSU Math Lab - 1155, B155, and B149 Pleasant Hall

11:30 – 12:30 Lunch in 1240 Pleasant Hall

12:30 – 1:30 Break-out Session #1

Participants will choose to attend Group A, Course Management or Group B, Administration.

- Group A: Discussion of Course Management with Course Coordinators
Phoebe Rouse, Karla Neal (Trigonometry Course Coordinator), and Gerry Fitch (Precalculus Course Coordinator) will discuss how the courses are managed including syllabus development, preparation of daily schedules, pedagogy of assignment settings, faculty workshops, lecture preparation, and customization of *MyMathLab*.
- Group B: Discussion of Administration in B149 Pleasant Hall

Jimmie Lawson, Guillermo Ferreyra (Dean, College of Arts and Sciences), Larry Smolinsky (Chair, Department of Mathematics) and George Cochran (Associate Chair for Instruction, Department of Mathematics) will discuss various administrative topics such as grants and funding for the math lab, university and faculty buy-in for such a major change, and personnel assignments in this new learning environment.

1:30 – 2:00 Break in 1240 Pleasant Hall

2:00 – 3:00 Break-out Session #2

Participants will choose to attend Group A, Lab Management or Group B, Administration.

- Group A: Discussion of Lab Management

Debra Kopcsó (Math Instructor and Lab Tutor Supervisor), Stephanie Kurtz (Math Instructor and Data Manager), and Bogdan Oporowski (Math Professor and Video Producer) along with tech support staff will discuss such important implementation topics as tutor selection, scheduling and training, time clock set-up, maintenance and reports, technical support, and development of course videos.

- Group B: Discussion of Administration in B149 Pleasant Hall

Jimmie Lawson, Guillermo Ferreyra (Dean, College of Arts and Sciences), Larry Smolinsky (Chair, Department of Mathematics) and George Cochran (Associate Chair for Instruction, Department of Mathematics) will discuss various administrative topics such as grants and funding for the math lab, university and faculty buy-in for such a major change and personnel assignments in this new learning environment.

3:00 – 3:30 Panel Discussion – Carolyn Jarmon, Jimmie Lawson, and Phoebe Rouse