

PROJECT NExT: New Jobs, New Responsibilities, New Ideas
Program for the Workshop at the University of Vermont
All Sessions in the Living/Learning Center (LLC)
August 3 - 5, 1995

[Note: A few presenters who have not yet confirmed their participation are listed as "TBA."]

Thursday, August 3

11 a.m. - 1:15 p.m. Arrival and Registration

1:30 - 1:45 p.m. *Welcome and Opening Remarks*
James R. C. Leitzel and T. Christine Stevens,
Project NExT Co-directors

2:00 - 2:45 p.m. Small group discussions

2:50 - 3:40 p.m. *The Construction of a Modern Calculus Course*
Sharon Ross, DeKalb College

3:45 - 4:10 p.m. BREAK

4:15 - 5:00 p.m. Small group discussions

6 - 7 p.m. DINNER

7:30 - 9:00 p.m. *Conversation With the Presidents*
Cathleen Morawetz, President, American Mathematical Society
Kenneth Ross, President, Mathematical Association of America

Friday, August 4

Breakfast in dorms

8:30 - 9:30 a.m. *Several Versions of Calculus Reform -- From the Teacher's Perspective*
Four simultaneous sessions:
Harvard Calculus Consortium : Robert Megginson, University of Michigan
Ostebee/Zorn (Saint Olaf Project) : Janet Andersen, Hope College
Project CALC (Duke Project) : TBA
Using Collected Resources : Anita Solow, Grinnell College

9:30 - 10:30 a.m. Repeat of previous sessions

10:30 - 10:50 a.m. BREAK

10:50 - 12:00 noon Panel: *How to Make the Classroom a Welcoming Environment for All Students*
Abdulalim Shabazz, Clark Atlanta University
Judy Green, Marymount University

12:15- 1:20 p.m. LUNCH

1:30 - 2:15 p.m. *Overview of Non-Traditional Methods of Assessment* (TBA)

2:20 - 3:40 p.m. *Break-out sessions: Assessing Writing, Projects, and Group Work*
Lolina Alvarez, New Mexico State University
Annalisa Crannell, Franklin & Marshall College
Barbara Reynolds, Cardinal Stritch College

3:45- 4:10 p.m. BREAK

4:15 - 5:15 p.m. Panel: *The Faculty Member as Teacher and Scholar*
Janet Andersen, Hope College
Raymond Johnson, University of Maryland, College Park
David Stone, Georgia Southern University

6 - 7 p.m. DINNER

7:30 p.m. - ?? Ben & Jerry's Ice Cream Party for all Project NExT Fellows and invited guests

Saturday August 5

Breakfast in dorms

8:15 - 9:15 a.m. *Using Computers and Calculators in the Classroom: Implications for Teaching and the Assessment of Student Learning*
John Kenelly, Clemson University

9:20 - 10:30 a.m. *Technology in Courses Other Than Introductory Calculus*
Five simultaneous sessions:
Differential Equations : Jean McDill, California Polytechnic State University, San Luis Obispo
Multivariable Calculus :TBA
Linear Algebra : TBA
Lower Division Courses : TBA
Statistics : George Cobb, Mount Holyoke College

10:30 - 10:50 a.m. BREAK

10:55 - 12:05 Repeat of previous sessions

12:15 - 1:20 p.m. LUNCH

1:30 - 3:00 p.m. *Beyond Errors and Misconceptions: What Does Research on Students' Thinking Have to Tell Mathematics Teachers?*
Stephen Monk, University of Washington

3:00 - 3:30 p.m. BREAK

3:30 - 5:30 p.m. *Closing Session*
Overview of special activities at the MATHFEST
Recognition of Exxon Education Foundation
Presentation: *Finding Your Niche in the Profession*
Joseph Gallian, University of Minnesota, Duluth

Evening MATHFEST Opening Banquet (Reception at 6:30 p.m.; Dinner at 7:30 p.m.)

Sunday, August 6 - Monday, August 7: During the MATHFEST, Fellows will choose among four-hour short courses that have been specially designed for them:

Bringing the Teaching of Pre-Calculus into the 21st Century : Pamela Matthews, Mt. Hood Community College

Cooperative Learning -- How To Make It Work : Barbara Reynolds, Cardinal Stritch College
Using Computers in the Teaching of Differential Equations : Jean McDill, California Polytechnic State University, San Luis Obispo

Proposal Writing Workshop : Florence Fasanelli, Mathematical Association of America
Undergraduate Student Research in Mathematics -- How To Make It Work : Aparna Higgins, University of Dayton

Issues in the Preparation of K-12 Teachers : TBA