

1999-2000 Project NExT Fellows Los Angeles Schedule

The Project NExT registration area is in the
Covel Commons on the UCLA campus.

TUESDAY, AUGUST 1

8:00 - 10:00 p.m. Social Event for all Project NExT Fellows and invited guests
Terrace of the Grand Horizon Room, Covel Commons

WEDNESDAY, AUGUST 2

7:00 - 8:00 a.m. BREAKFAST

8:15 - 9:30 a.m. TWO concurrent sessions

A. *Designing Computer Labs*
Salon BCD, Covel Commons

Panelists:

Afshin Ghoreishi, Weber State University
Tabitha Mingus, Western Michigan University
John Robertson, Georgia College and State University
James White, Bluejay Lispware and Stetson University
Cynthia Wyels, California Lutheran University

Integrating the use of computers into math courses has been one of the components of the reform movement. Yet, what makes a 'good' computer lab? We will examine different goals for a computer lab as well as aspects of successful (and not-so-successful) labs in precalculus, calculus, differential equations, and linear algebra.

Organizers: Karrolyne Fogel, California Lutheran University, and Terrell L. Hodge, Western Michigan University

B. *Improving Upper-Division Classes and Evaluating the Math Major Curriculum*

Salon EFG, Covel Commons

Panelists:

Thomas R. Berger, Colby College
Second presenter to be announced

This session will focus on two related, yet different, topics currently affecting many math departments: How to improve upper-division courses with the use of group activities and technology; and how the math major curriculum might be changed to give our students a deeper understanding of mathematics (and hence better prepare them for a job or graduate school). The session will begin with two main speakers, each addressing one of these topics. Then the session will split into two smaller discussion sections specific to these two topics. These discussion sections will allow discussion of issues and ideas that are specific to each topic. We encourage participants to bring materials that would contribute to these discussions (for example, group activities or labs developed for upper-division courses or examples of the math major curriculum used at your institution).

Organizers: Anneke Bart, Saint Louis University, and Mark A. Mills, Central College.

WEDNESDAY, AUGUST 2 (continued)

9:35 - 10:05 a.m. **BREAK**

10:10 - 11:25 a.m. **TWO** concurrent sessions

A. ***Career Counseling and Writing Letters of Reference***
Salon BCD, Covell Commons

Panelists:

G. Daniel Callon, Franklin College

Deanna Haunsperger, Carleton College

Luise-Charlotte Kappe, State University of New York, Binghamton

Stephen Kennedy, Carleton College

As academics, a large part of our career advancement is based upon peer review. Thus, it is in the best interest of the mathematics community to ensure all academics are well versed in the art of writing recommendation letters. Our students depend not only on the ideas we teach them, but also upon the opportunities and advice we give them when facing confusing career choices. Our panelists will guide us as we learn about these important, though often neglected, areas of responsibility.

Organizers: Sylvia Cook Forman, Mercer University, Blair F. Madore, State University of New York, Potsdam, and Beth Peterson, Lamar University

B. ***Strategies for Math for Liberal Arts***
Salon EFG, Covell Commons

Panelists:

Edward Burger, Williams College

Elena Marchisotto, California State University, Northridge

Carol Schumacher, Kenyon College

In this session, we will discuss strategies for teaching courses aimed at students who do not intend to major in mathematics or the sciences. The panelists will present several points of view, from covering a range of interesting topics, to focussing more in depth on one fairly accessible topic. There will also be time for members of the audience to exchange ideas about projects and other aspects of Math for Liberal Arts courses.

Organizers: Blake Mellor, Honors College, Florida Atlantic University, and Tamara Worner, Wayne State College

11:30 - 12:30 p.m. **Small Group Discussions with other Project NExT Fellows**

[We will be organized geographically for these sessions. Please see the accompanying sheet for room assignments.]

WEDNESDAY, AUGUST 2 (continued)

12:30 - 1:45 p.m. LUNCH

2:00 - 3:15 p.m. TWO concurrent sessions

**A. *Balancing Professional and Personal Life*
Salon BCD, Covell Commons**

Panelists:

Arthur Benjamin, Harvey Mudd College

Edward Burger, Williams College

Stephen Kennedy, Carleton College

Patti Frazer Lock, Saint Lawrence University

In this panel, we will discuss the ever-popular topic of balancing professional life and personal life. While there is no solution that will work for everyone, we can learn from those more experienced with this juggling act. Panelists will share advice about their successes and struggles in this area.

Organizers: Gretchen L. Matthews, University of Tennessee, and Melissa A. Sutherland, Lycoming College

**B. *Using the Web in a Course*
Salon EFG, Covell Commons**

Panelists:

Thomas F. Banchoff, Brown University

Kris Green, St. John Fisher College

Colm Mulcahy, Spelman College

Thomas E. Price, University of Akron

The focus of this session is to provide examples of how the world wide web can be used as a resource for the teaching and learning of mathematics. Panelists will discuss how and why they have used web based instructional materials, and the outcomes that they have observed in student learning. Some panelists may speak to the issues of generating and maintaining web-based instructional materials and the different web based environments that are available.

Organizer: Michelle D. Wagner, University of Wisconsin – La Crosse

3:15 - 3:45 p.m. BREAK

WEDNESDAY, AUGUST 2 (continued)

3:45 - 5:45 p.m. *Closing session*

Covel Commons Study Lounge

Overview of special activities at the Mathfest

Recognition of 1999-2000 Fellows

Presentation: *Finding your Niche in the Profession*

Joseph A. Gallian, University of Minnesota, Duluth

7:30 – 10:00 p.m. *Mathfest Opening Banquet*

Project NExT Short Courses during the Mathfest

Four hour special sessions meeting on **Thursday, August 3, and Friday, August 4, 4:10 – 6:00 p.m.** See accompanying sheet for short course assignments.

- A. *Applying for Research and Education Grants*, Lloyd Douglas, National Science Foundation, and *Getting your Research off to a Good Start*, Joseph A. Gallian, University of Minnesota, Duluth.
- B. *Undergraduate Research -- How to Make It Work*, Aparna Higgins, University of Dayton.
- C. *Teaching Mathematics with Hand-Held Technology, May You Live in Interesting Times*, Joseph Fiedler, California State University, Bakersfield.
- D. *Teaching Introductory Statistics: Active Learning, Data, and Concepts*, Allan Rossman, Dickinson University.
- E. *Strategies and Ideas for Improving Math Courses Designed for Prospective Teachers*, Dale Oliver, Humboldt State University.
- F. *College Algebra: What Can I Do With This Course?*, Linda Boyd, Georgia Perimeter College.