

NES/MAA Short Course on Integrating the Web Into Math Instruction

Cathy M. Frey, Gerard LaVarnway, and Robert Poodiack, from Norwich University will present at the NES/MAA annual short course at Plymouth State College in New Hampshire June 23-27th. The topic is “Integrating the Web into Mathematics Instruction.” Cost is \$225 for single occupancy, \$235 for double occupancy. These prices include a room in the residence hall and three full meals on Tuesday and Wednesday and breakfast and lunch on Wednesday and Thursday. Short course and meals only cost \$150. Send name, address, institution, phone, and e-mail with check made out to Plymouth State College by June 1st to

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For information, contact Paul Estes at (603)535-2486 or e-mail him at ple@mail-plymouth.edu.

Course schedule is:

Sunday 6/23/02

5-8 pm Registration

Monday 6/24/02

9:00 am Welcome and introductions

9:15-10:30 Overview of Short Course

10:45-12:00 Using Word2000© and MathType5 © to create Web pages.

2:00-4:30 Using FrontPage ©2002 and MathType5 © to create Web pages

Tuesday 6/25/02

Morning Sess Introduction to Mathematica ©

1:30 pm Depart for outing at Cannon Mountain

Wednesday 6/25/02

Morning Sess Creating animated Web pages

Afternoon Sess Introduction to LiveMath ©

Thursday 6/27/02

On-line assessments

Individual project time

Depart by 3 pm

Abstract:

The World Wide Web has significantly changed the landscape of graduate and undergraduate education. Student access to the Internet makes distance-learning modules a preferred method of instruction for some students and faculty. Mathematics is one discipline that has lagged behind this trend in education. The development of meaningful mathematical modules is critical to distributing mathematics education over the Web.

This short course will demonstrate websites that have been successfully delivered a variety of mathematical topics from typical undergraduate PreCalculus and Calculus courses. The course will introduce the software and techniques used to develop the demonstrated sites, such as Mathematica©, MathType©, WebEQ©, FrontPage© and JavaScript©. Several sessions will provide participants an opportunity to develop proficiency in using these tools. By the end of the

four-day course participants will be able to develop Web pages for presenting mathematics over the World Wide Web. If time permits, participants will be introduced to online assessment.

To preview a site created with these methods look at

<http://www2norwich/frey/TaylorPolynomials/> .

The course is designed to accommodate participants of all skill levels. However, only familiarity with use of computers is necessary for participation. High School mathematics educators through post-graduate with an interest in mathematics education on the Web should find this course useful.