



2000 Tower Street · Everett, WA · 98201-1390 · 425.388.9100



AMATYC Statistics Traveling Workshops

Sponsored by CAUSE

Everett Community College will host an AMATYC *Statistics Traveling Workshop* on Saturday, **October 25** from 9:00 AM to 4:00 PM on the campus of EvCC in Everett, WA. The workshop is designed with instructors of Introductory Statistics courses in mind. The focus will be on current strategies, resources and research about the teaching and learning of introductory statistics. The workshops are activity oriented and participants will develop classroom activities aligned with both the recommendations in *Beyond the Crossroads* and the *American Statistical Association* endorsed guidelines for Assessment and Instruction in Statistics Education (GAISE; www.amstat.org/education/gaise).

Sample topics for the workshop include:

- The recommendations of national organizations of statistics education for teaching introductory statistics courses;
- Development of an introductory statistics course structured around the Guidelines for Assessment and Instruction in Statistics Education (GAISE);
- Strategies for teaching an introductory statistics course when emphasizing conceptual understanding;
- Development of statistical literacy and thinking;
- Implementation of classroom activities that enhance student learning.

Workshop participation is limited to 40. Please make your reservations today!

For more information, please contact:

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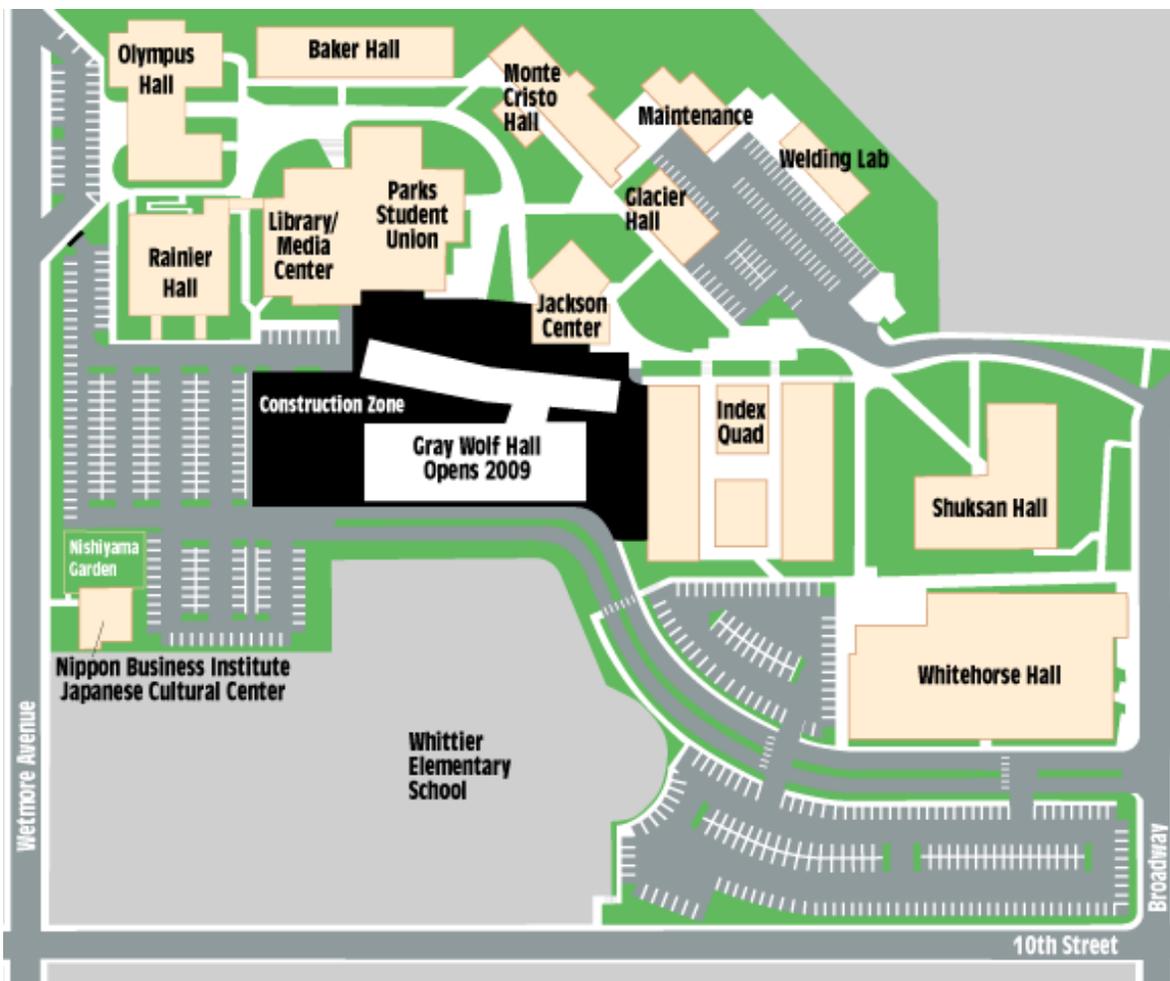
Workshop Presenter Information



Bob delMas is an Associate Professor, Department of Educational Psychology, University of Minnesota. He is a co-PI of the NSF funded project, Assessment Resource Tools for Improving Statistical Thinking (ARTIST), and of the NSF-funded project Adapting and Implementing Innovative Materials in Statistics Courses (AIMS). He has made several presentations with Joan Garfield and Beth Chance on their joint research into the effective use of software to promote students statistical thinking and reasoning. Their work has been published in the Journal of Statistics Education (JSE) and is highlighted in the book "Statistical Thinking, Reasoning, and Literacy" (Kluwer) that provides an international perspective on current statistics education research. Bob also conducts research on students understanding of the standard deviation, which has been published in the Statistics Education Research Journal (SERJ). He is an associate editor for the Journal of Statistics Education, a research consultant for CAUSE (Consortium for the Advancement of Undergraduate Statistics Education), and the current chair of the Joint ASA/AMATYC committee on Statistics Education.

EVERETT COMMUNITY COLLEGE, Everett, WA

CAMPUS MAP AND DIRECTIONS: <http://www.everettcc.edu/visitors/maps/>



The BEST of STATISTICS

Everett Community College

October 25, 2008



MORNING SESSION

Time	Session Title	Location
9:00 – 12:00	Statistical Literacy and Statistical Thinking	Shuksan 223

Every morning when you read the newspaper or listen to the radio you read and hear statistical information on topics as wide-ranging as the economy, education, medicine, food and sports. This information guides our decision making and helps us to meet our responsibilities as citizens. But what do these numbers tell us? As teachers we are responsible for helping students develop “statistical literacy” – the ability to use sound statistical reasoning. In the last few decades we have seen an extraordinary level of activity focused on how students learn statistics, and on how teachers can be more effective in helping them to learn. Not only have the “what, why, who, and when” of introductory statistics been changing, but so has the “how.” In this activity oriented session participants will develop definitions for statistical literacy and statistical thinking and apply these definitions to examples of desired student behaviors.

12:00 – 1:00	LUNCH	Shuksan Lobby
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AFTERNOON SESSION

Time	Session Title	Location
1:00 – 4:00	Active Learning in the Statistics Classroom	Shuksan 223

The surest way to help students develop the necessary skills for understanding statistics is by doing statistics. This session provides a more theoretical perspective followed by some concrete suggestions on how to foster the recommended kind of statistical thinking and statistical literacy in classroom activities emphasizing discovery. Participants will experience active learning by working on exercises designed for students. In particular, these activities will aid students in discovering the concepts of the shapes of distributions and sampling distributions.