

**2013 PNW Section NExT Schedule  
Willamette University**

**April 11 & 12 2013  
Salem, OR**

**Thursday, April 11, 2013**

7:00 p.m. Informal Gathering Venti's Café and Taphouse  
2840 Commercial St SE [www.ventiscafe.com](http://www.ventiscafe.com)

**Friday, April 12, 2013**

Ford 102 (Kremer Board Room) at Willamette University  
<http://www.willamette.edu/about/visit/index.html>

8:00 a.m. Registration/Coffee

8:05 a.m. Greeting and Introduction of New Fellows

8:10 a.m. Session 1: Keeping It Fresh

9:10 a.m. Coffee Social

9:40 a.m. Session 2: Keeping Your Research Alive

10:40 a.m. Session 3: Variations on a Theme: Flipping the Classroom

11:45 a.m. Lunch: Sponsored by the Dolciani Foundation  
The Sassy Onion Grill, 1244 State Street [www.sassyonion.com](http://www.sassyonion.com)

1:15 p.m. Session 4: Teaching Beyond Mathematics

2:15 p.m. Session 5: What's NExT

2:30 p.m. Project NExT Meeting Adjourns. (MAA Minicourses begin at 3:00 p.m.)

5:45 p.m. Dinner (no-host) The Ram Restaurant and Brewery  
515 12th Street [www.theram.com/oregon/salem.html](http://www.theram.com/oregon/salem.html)

8:00 p.m. PNW MAA Evening Lecture: Liz McMahon (Lafayette College)  
Montag Center

**Session 1: Keeping It Fresh**

Organizer and Moderator: Janet Shiver (Central Washington University)

This session will focus on ways to keep courses fresh. During this session, participants will be asked to form small groups and share ideas about new, innovative ways to teach courses. Topics that will be covered include, online learning, assessment, pedagogical changes, and ways to make your classroom more efficient. Each participant will be asked to investigate one to two ideas of interest, develop a brief action plan, and discuss obstacles that might prevent the idea from being implemented. If time permits, participants will be asked to share with the entire group.

**Session 2: Keeping Your Research Alive**

Organizer: Bill Breslin (Pacific University)

Speakers: Gary Gordon (Lafayette College), Kelly McKinnie (University of Montana), Dave Perkinson (Reed College)

You finish your PhD or postdoc at a large research university with an active group in your field and move to a school with few or no researchers in your field. How do you keep your research going when there is no one down the hall to talk to about it? During this session, our panelists will discuss how to keep your research program alive under these circumstances.

**Session 3: Variations on a Theme: Flipping the Classroom**

Organizer: Allison Henrich, Seattle University

With the popularity of websites like Khan Academy on the rise, more and more faculty are experimenting with "flipping" their classrooms. In other words, faculty are requiring students to come to class having already learned a portion of the material to be covered in class. Students typically learn by watching videos, reading their textbook, and/or completing pre-assignments. In a flipped course, there is more time in the classroom for group work, IBL and POGIL teaching techniques, and lecturing at a higher level of sophistication. In this session, we'll discuss peoples' experiences with flipping classes, ideas for improving the implementation of a flipped classroom, and costs/benefits of this style of teaching.

**Session 4: Teaching Beyond Mathematics**

Organizer: Nancy Ann Neudauer (Pacific University)

Speakers: Frank Farris (Santa Clara University), Gary Gordon (Lafayette College), David Kung (St Mary's College of Maryland), Elizabeth McMahon (Lafayette College)

Teaching outside of mathematics can afford you the opportunity to explore an area that interests you or to tie mathematics to another field. After years of teaching the same classes, this might excite you. Many colleges offer First-year Programs taught by faculty in all departments. What if you are assigned to teach one of these? How do you design a course and effectively teach outside of mathematics?