

## Science 2009-10

### Accomplishment Description:

**Faculty and staff engaged in professional development** and sharing their expertise. On campus, Science faculty and staff are leaders in numerous campus committees, work groups, and councils. Faculty organized, gave presentations and participated in numerous local, regional and national professional conferences and workshops.

Faculty and staff completed professional development activities to stay current and gain skills and knowledge. This past year, the Science Division hosted several Science Teaching Seminars; faculty members completed Moodle training courses and several participated in the T2T program, sharing student success strategies and bringing new ideas back to their classes and colleagues. A number of Faculty Interest Groups (FIGs) were initiated, including a joint physics and calculus discussion group exploring commonalities and differences in language, goals, methods and problem solving; a Physics FIG involving General Physics and areas of mutual interest among physics education researchers at UO and OSU; and, an interdisciplinary science FIG exploring student engagement strategies. These activities involve both part-time faculty and full-time faculty.

Anatomy and Physiology (A&P) faculty member Brian Nichols completed the Nursing program and completed a sabbatical leave. Botanist Gail Baker gave several presentations, both at Lane and in the community, about her sabbatical botany trip to Western Australia. Earth and Environmental Science faculty member Claudia Owen completed the third edition of her geology lab book, which has been adopted at Lane. Two Science faculty members were awarded sabbatical leaves for Fall 2010: Bert Pooth and John Thompson. Part-time faculty member Melissa Kilgore received a teaching recognition award.

Science faculty members were active in general education assessment. Gen Ed projects were funded for Chemistry (Brooke Taylor), A&P (Joan Young-Cheney), and Biology (Lisa Turnbull and Christine Andrews). Paul, Lisa and Christine participated in developing Lane's General Education Assessment plan, along with Sarah Ulerick, Dean, and long-time assessment leader. SRC Coordinator, Star Glass, participated in the year-long Aspiring Leaders program at Lane.

Beyond the Lane campus, faculty attended a wide range of state and national conferences. Bert Pooth and Star Glass attended the Student Success and Retention Conference in Portland. Two faculty members attended the American Association of Physics Teachers (AAPT) summer meeting. Paul Bunson was awarded a grant to attend. (Sponsored by Oregon Department of Community Colleges and Workforce Development, the Oregon section of AAPT and Vernier Software.) Dennis Gilbert served on the Two Year College committee which meets biannually at the summer and winter meetings. Several faculty members also regularly attend and contribute to the

ORAAPT who meet twice a year. Katie Morrison-Graham presented at Northwest Bio and participated in workshops on hybrid instruction. Stacey Kiser participated in BioQUEST C3 (Cyberlearning at Community College NSF grant) and the BSA C3 workshop; she continues her national leadership as a voice for science teaching in two-year colleges. John Thompson continued his national leadership in implementing Green Chemistry. Brooke Taylor worked on a committee to rewrite a national chemistry exam. Carrie Newell conducted an OMSI Science Pub in July featuring her nationally recognized work with Oregon's resident gray whales.

### Strategic Direction

- Commit to a culture of assessment of programs, services and learning.
- Create a diverse and inclusive learning college: develop institutional capacity to respond effectively and respectfully to students, staff, and community members of all cultures, languages, classes, races, genders, ethnic backgrounds, religions, sexual orientations, and abilities.
- Build organizational capacity and systems to support student success and effective operations.
- Promote professional growth and provide increased development opportunities for staff both within and outside the College.

### Learning Plan Goals

- Provide on-going technology training for faculty and staff.
- Organize scholarship and other staff development efforts in areas of adult learning and motivation in the context of the current social, economic, and cultural environments.
- Expand discipline-oriented faculty professional development, with care to include professional-technical faculty.

### Student Affairs Plan Goals

- Commit to a culture of routinely assessing programs, services, and learning to encourage continuous quality improvement.
- Enhance the Lane workforce to best promote student success.
- Create innovative, flexible, and collaborative programs that are responsive to the needs of students and employers and facilitate a smooth transition from college to the workplace.

### College Council Priorities

- 1.b. Enrollment Management: Recruitment and Retention
- 1.f. Enrollment Management: Partnerships with 4-year Colleges and Universities
- 2. Mandates: Assessment
- 4.1 Responding to unit plans/council plans: Innovation