

**Mentoring Best Practices:  
Activities of Participating UW Departments in the  
2012-13 Mentoring Initiative**

**Animal Science and LIFE program**

- 1.5 day Teaching and Learning Symposium for LIFE graduate assistants, with a focus on engaging students through inquiry-based learning.
- Weekly meetings of LIFE graduate assistants with the supervising AP faculty to prepare for upcoming laboratories and discussions
- GRAD 5910: Teaching Methodologies and Applications (Course in College Teaching), a course to prepare graduate students for the teaching profession.

**Atmospheric Science**

- Recruiting strategies including
  - Career table at American Meteorological Society annual meeting
  - Prospective graduate student visited campus all at the same time
  - Graduate student offers of admission made after campus visit, included multiple choices of research project and advisor
- Supported graduate student attendance at scientific meetings and trainings
- ATSC 5880: Research Ethics and Methods, a 1-credit course, was offered Fall 2012
- Department social events for graduate students, faculty and staff

**Geology and Geophysics**

- Weekly graduate student seminar with lunch when students report research progress or practice for talks and posters that they will present at upcoming scientific meetings
- GEOL 5020: Fundamentals of Research prepares students by introducing them to departmental resources and activities, and having them design a research project and write proposals, hone oral and written communications skills, and learn to interview for jobs, write resumes and identify funding sources
- A graduate handbook is in progress
- One faculty member serves as graduate student program director

**Haub School**

- Mentoring and advising networks composed of Haub administrators, faculty and staff
- Building cohorts of joint degree students
- Supporting internships and experiential learning in graduate academic experiences
- Developing co-curricular experiences such as guest lectures and attendance at professional meetings

**Kinesiology and Health**

- Provide clear expectations from day one
- Provide departmental resources including faculty mentors, senior GA mentors, access to lab and computer facilities, and to ECTL teaching and learning programming, and K&H faculty expertise in pedagogy
- Explain mission of department and role of graduate students
- Graduate student membership of intra-department graduate faculty committee
- Graduate student orientation

- Graduate student handbook
- Assessment of graduate program, based in part on solicited feedback from GAs

#### **Mathematics Education**

- Graduate students recruiting and advising led by a graduate coordinator
- Greater interaction between EMAT and Math faculty, including cross-college teaching
- Doctoral orientation seminar for all new PhD students
- Doctoral research seminar on designing research, presentations, proposals, thesis
- Weekly or biweekly meetings of graduate students with advisors
- UW Mathematics Education Student Association connects undergraduates and PhD students

#### **Molecular Biology**

- New student orientation
- MOLB 5050: graduate seminar and participation of graduate students in lunches with outside scientific visitors
- Graduate student presentations in the departmental seminar series
- Professional development opportunities, such as graduate students developing modules for online course delivery
- Standardized reporting of graduate committee activity on which to base graduate program assessment

#### **Veterinary Sciences**

- Graduate student retreat with faculty mentors
- Graduate student participation in grant proposal preparation and IACUC protocol development

#### **Zoology and Physiology**

- Weekly brown bag seminars for faculty and graduate students
- ZOO 5890: Skill sets for Graduate Study, 2 credit hours
- ZOO 5890: College science teaching, 2 credit hours
- Expanded graduate student resource page on departmental website