

UNAVCO Faculty-in-Residence Summer Program

Position description:

UNAVCO seeks an enthusiastic and energetic college or university faculty member who is an active member of the UNAVCO community. The selected faculty member will work with the UNAVCO education and outreach staff to develop educational materials for general education/introductory college geoscience classrooms. In addition, the faculty-in-residence will assist two master teachers in developing educational materials for middle/high school Earth science classrooms. The faculty-in-residence will work for one week this summer at UNAVCO headquarters in Boulder, CO. UNAVCO is a non-profit organization that uses high-precision GPS to measure crustal deformation that results from plate movement.

Timeframe:

This is a full-time, one week position (with the possibility of extension) that will begin between June 5 and June 16, 2006. Exact dates are negotiable and will be agreed upon by the faculty member, middle/high school master teachers, and UNAVCO education and outreach staff. Preference will be given to candidates who are able to be flexible in selecting dates.

Faculty-in-Residence Roles:

- Work independently and with UNAVCO education and outreach staff to develop classroom materials for introductory/general education geoscience courses.
- Share GPS and plate tectonics content knowledge with middle/high school master teachers.
- Prepare a brief oral presentation and written report describing project results.
- Pilot-test project materials in his/her classroom during 2006-2007 school year and provide UNAVCO with resulting student work for assessment purposes.
- Interact with UNAVCO in the future in the context of professional development activities, dissemination of classroom materials, etc. (To be decided)

Compensation:

- Stipend
- Round trip airfare to and from Denver
- Lodging for one week in Boulder
- Rental car (fuel not included)
- Per diem rate for meals

Qualifications:

- Doctorate in Earth science or related field
- Research experience in geodesy or related discipline
- At least 3 years experience teaching introductory/general education geoscience courses at the college/university level
- Demonstrated ability to effectively teach diverse student populations, large enrollment courses, and non-science majors

- Adept at communicating scientific principles to non-scientists
- Experience developing lectures, homework, and/or lab materials for undergraduates
- Desire to work cooperatively on a team with two middle/high school teachers and UNAVCO staff members
- Excellent oral and written communication skills
- Experience using technology in the classroom

Required application materials:

- Application (available at http://www.unavco.org/edu_outreach/highlights/2006/fir/fir.html)
- Letter of interest including teaching philosophy and how candidate fits the qualifications outlined in the position description. Not to exceed 2 pages.
- CV

Complete application packages must be received by Monday, April 17, 2006.

Please address inquiries and application materials to:

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This program is funded
in part by the National
Science Foundation.