

CURRICULUM VITAE - ROBERT RAY RECTOR

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EDUCATION

California Single Subject Teaching Credential – Geosciences - August 2001

California State University, San Marcos, CA

- 35 graduate-level semester units completed; GPA = 3.9
- Cross-Cultural Language and Academic Development (CLAD) emphasis
- Additional emphasis of technology in the classroom

Earth Science Doctoral Program – Cordilleran Tectonics 1994 - 1998

University of California Riverside, Riverside, CA.

- 38 graduate-level semester units completed; GPA = 3.9
- Graduate Division Fellowship 1996 school year
- Mineralogical Society of America scholarship, 1994 and 1995

Master of Science Degree – Igneous Petrology - August 1994

San Diego State University, San Diego, CA

- 35 graduate-level semester units completed; GPA=3.9
- Achievement Rewards for College Scientists (ARCS) Scholarship.

Bachelor of Science Degree - Magna Cum Laude - Geology, , May 1989

San Diego State University, San Diego, CA

- 172 semester units completed; GPA = 3.8
- Outstanding Senior Research Award--College of Sciences
- Outstanding Research Award—Department Of Geological Science

Engineering Undergraduate Program 1977 - 1979

California State University, Northridge, CA

- Marine Engineering emphasis

EXPERIENCE

Oceanography Instructor - 2013 - Present

Cuyamaca College, El Cajon, CA –

- Instruct Introductory Oceanography Lecture
- Develop and lead coastal fieldtrips in San Diego County
- Design and maintain oceanography web page for students

Earth Science Instructor - 2007 - Present

University of San Diego, San Diego, CA

- Instruct Earth Science Laboratory
- Develop hybrid laboratory course curriculum
- Develop and lead fieldtrips in San Diego County

Oceanography Instructor - 2004 - Present

MiraCosta College, Oceanside, CA –

- Instruct Introductory Oceanography Lecture and Laboratory
- Instruct online Introductory Oceanography
- Develop hybrid lecture and laboratory course curriculum and activities
- Develop and lead coastal fieldtrips in San Diego County
- Design and maintain oceanography web page for students

Oceanography and Geology Instructor - 2003 – Present

San Diego Miramar College, San Diego, CA

- Instruct General Geology (Laboratory)
- Instruct Physical Oceanography (Lecture)

- Develop hybrid lecture and laboratory course curriculum
- Develop and lead fieldtrips in San Diego County
- Outfit new geology laboratory classroom with equipment and supplies
- Design and maintain oceanography and geology web pages for students

Geology Instructor - 2002 - Present
San Diego Mesa College, San Diego, CA

- Instruct General Geology (Lecture and Laboratory)
- Develop lecture and laboratory course curriculum
- Develop and lead fieldtrips in San Diego County
- Design and maintain geology web page for students

High School Earth Science Student Teacher - 2001
La Costa Canyon High School, Carlsbad, CA

- Instruct 9th and 10th Grade Earth Science Courses
- Tutor and counsel college-bound underprivileged students

High School Earth Science Student Teacher - 2000
Oceanside High School, Oceanside, CA

- Instruct 9th and 10th Grade Earth Science Courses
- Instruct Sheltered ESL Earth Science Course
- Tutor and counsel college-bound underprivileged students

Graduate Teaching Assistant - 1994-1997
University of California Riverside, Riverside, CA

- Instruct general geology, historical geology, mineralogy, optical mineralogy, igneous petrology, and metamorphic petrology laboratory courses.
- Develop and implement laboratory curriculum.

Graduate Teaching Assistant – 1991-1993
San Diego State University, San Diego, CA

- Instruct general geology laboratory courses
- Co-instruct advanced field geology course in Baja, Mexico.

PRESENTATIONS

- 1) Rector, R. Nov 1989. Magnetic susceptibility in the Long Potrero Pluton, San Diego County, CA – GSA Annual Meeting - Saint Louis, Mo.
- 2) Rector, R. Oct 1991. The internal nature of the Long Potrero Pluton, San Diego County, CA -- GSA Annual Meeting - Boston, MA.

PUBLICATIONS

- 1) Gastil, G., Rector, R., Hazelton, G., Al-Riyami, R., Hanes, J., Farrar, E., Boehnel, H., Ortega-Rivera, A., and Garcia Guzman, J. 1999. Late Cretaceous pillow basalt, siliceous tuff and calc-turbidite near Porohui, northern Sinaloa, Mexico.
 GSA Special Paper 340

SCHOLASTIC AWARDS

- 1) Baylor Brooks Scholarship, Fall 1982
- 2) R. C. Baker Scholarship, Fall 1983
- 3) Outstanding Senior Research—SDSU College of Sciences, May 1989
- 4) Outstanding Research—SDSU Geology Department Spring 1989.
- 5) College of Sciences Research Scholarship Spring 1989.
- 6) Achievement Rewards for College Scientists (ARCS) Scholarship 1990
- 7) UCR Graduate Division Fellowship 1996

8) Mineralogical Society of America scholarship, 1994 and 1995

RESEARCH INTERESTS

- 1) Petrology and emplacement history, and paleotectonic modeling ramifications of the transitional-age plutons in San Diego County and other Cordilleran arcs
- 2) Paleotectonic reconstruction of Southwestern North America
- 3) Isotopic dating of the major plutonic units across the Peninsular Ranges batholith, San Diego County
- 4) Coastal erosion in Northern San Diego County, CA

AFFILIATIONS

National Association of Geosciences Teachers - NAGT
National Science Teachers Association - NSTA
American Geophysical Union – AGU
San Diego Association of Geologists - SDAG

PROFESSIONAL ACTIVITIES

Monthly SDAG Meetings
Annual SDAG Fieldtrip
Annual SDSU Geology Department Alumni Fieldtrip

TEACHING-RELATED SKILLS

- 1) Research, design, organization, and leading of geology and oceanography fieldtrips
- 2) Design, building, and maintenance of educational websites
 - ✓ www.terrasonics.com
 - ✓ www.oceansci.com
- 3) Advanced computer literacy in Windows operating systems, MS Office programs, Adobe Photoshop, and ARC-GIS
- 4) Competence in instructing online science courses including familiarity with ETUDES, Web-CT and Blackboard platforms
- 5) Experience in student tutoring and counseling

INTERESTS

Surfing, snowboarding, skateboarding, running, yoga, mountain biking, scuba diving; hiking; rock climbing; traveling, field geology; computers; Internet learning; environmental awareness; holistic health practices; cooking with organic foods.

OCCUPATIONS

Full-time Community College Geology and Oceanography Instructor
Part-time Geotechnical Driller – Pacific Drilling Company
Part-time Massage Therapist

PROFESSIONAL REFERENCES

References available upon request