

PEBBLE E. BARBERO

3737 Motley Dr. Mesquite, TX 75150 (972)860-8343 pbarbero@dcccd.edu

Education

MS: Biology California State University, Long Beach, CA 1998

BA: Biology/Chemistry Southwestern University, Georgetown, TX 1992

Teaching Experience

Biology, Eastfield College, Mesquite, TX 2009-present

- Teach the following courses:
 - Biology 1408/1409**: General Biology for Non-Science Majors I/II, lecture and lab
- Developed new courses: Online BIOL 1408 and Online BIOL 1409; Hybrid BIOL 1408 and Hybrid BIOL 1409
- Develop online lecture materials, as well as supplemental lab kit materials for BIOL 1408 and BIOL 1409. These materials include Power Point lecture notes to supplement course textbook, weekly homework assignments, class assignments, and tests using eCampus. Podcasts of lecture material, discussion boards, and on-line collaboration are also used. Work closely with eScience to develop the accompanying lab kit for the lab portion of these classes.
- Conduct a classroom that uses the Socratic Method and cooperative learning techniques to enhance the learning experiences of students and to encourage their thinking and problem-solving skills. Draw on multiple scientific techniques, materials, and technology to accommodate different learning styles.
- Motivate students through enthusiastic teaching and creative lessons using manipulatives and unique materials. Prepare examinations, which included a practicum section and a short-answer section.

Biology, Richland College, Dallas, TX 2002-2009

- Taught the following courses:
 - Biology 1406/ 1407**: General Biology for Science Majors I/II, lecture and lab
 - Biology 1408/1409**: General Biology for Non-Science Majors I/II, lecture and lab
- Developed new courses: Hybrid BIOL 1406, Hybrid BIOL 1407, Hybrid BIOL 1408, and Hybrid BIOL 1409.

Biology and Life Science, Cistercian Preparatory School; Irving, TX

Biology, Highland Park High School; Dallas, TX

Biology Teaching Assistant, CSU – Long Beach, Long Beach, CA

Biology Graduate Assistant, CSU – Long Beach, Long Beach, CA

Research Assistant, STARS Program, Southwestern Medical Center; Dallas, TX

Biology and Chemistry, Naaman Forest High School; Garland, TX

Publications

Barbero, P.E. and J. Flores. (2017). *Lab Manual for BIOL 1408 – Biology for Non-Science Majors I*

Barbero, P.E. and J. Flores. (2017). *Lab Manual for BIOL 1409 – Biology for Non-Science Majors II*

Barbero, P.E. and S.L. Manley. (2001). Physiological and Environmental Constraints on Bromoform Production in *Ulva Lactuca*. *Limnology and Oceanography*.

Brockette, P.E. (1998). *Physiological and Environmental Constraints on Bromoform Production in Ulva lactuca*. California State University – Long Beach. MS Thesis.

Brockette, P.E. and S.L. Manley. (1998). Physiological and Environmental Constraints on Bromoform Production in *Ulva Lactuca*. *Eos*. (Abstract).

Presentations	Cooperative Learning 101	2014-2017
	Case Based Teaching Workshop	2014
	Using the Common Book: <i>One Amazing Thing</i>	2013
	Using the Common Book: <i>Fast Food Nation</i>	2012
	Cooperative Learning Foundations Workshop	2011
	Cooperative Learning: Base Groups	2011
Awards	DCCCD Mentor	2016
	Eastfield College Innovation of the Year Award	2015
	BIOL 1408 Biology for Non-Science Majors: QM Certification	2012
	Who's Who Among America's Teachers	2006
	Richard B. Loomis Research Award	1997
Professional Organizations	National Association of Biology Teachers	
	National Science Teachers Association	
	Eastfield Faculty Association	
Institutional Service	EFC Faculty Association	
	▪ Vice President	2018-present
	▪ Secretary	2013-2017
	Teaching Enrichment Program	2017-present
	EFC Book Club	2016-present
	EFC Permanent Art Collection Committee	2015-present
	Cooperative Learning Committee	2011-present
	Cooperative Learning Mentor	2011-present
	Distance Learning Committee	2010-present
	SLO Assessment Committee	2014-2016
	District Biology Curriculum Committee	2015-2018
	Common Book Co-Chair – <i>Fast Food Nation; One Amazing Thing</i>	2012-2014
	EFC Clicker Committee	2011-2013
	Online BIOL 1408 District Advisory Committee	2010-2013
	Common Book Committee member	2010-2015
	QEP Focus Group Facilitator and Scribe	2010
	Mentor new faculty	
Search Committee Member (Speech, Psychology, English, Dean, Biology)		
Professional Development	Quality Matters Review Certification	
	Evergreen National Teaching and Learning Institute	
	DCCCD Mentor certification	
	Case Based Teaching – University of Buffalo	
	Foundations Leadership – Cooperative Learning Institute	
	Foundations of Cooperative Learning – Cooperative Learning Institute	
	Quality Matters Review Training	
	Visions of Excellence Completer	
	Tegrity Training	
	Student Learning Outcomes I - IV	
	Visiting Scholar Mock Interview	
ThunderBolt eCampus Training (I - IV)		