

Arthur Ornelas, Jr.

EDUCATION

Doctoral Candidate, Educational Technology; Arizona State University, Tempe AZ; Committee Chair, Dr. Wilhelmina Savenye (willi.savenye@asu.edu)

- Anticipated graduation, between May and August 2014

Master of Arts, Curriculum and Instruction; Minor in Educational Administration; New Mexico State University, Las Cruces, NM 88003; May 1999

Bachelor of Science, Secondary Education; Minor in History; New Mexico State University, Las Cruces, NM 88003; May 1994

Associate of Arts, University Studies; Eastern New Mexico University-Roswell, Roswell, New Mexico 88202; December 2002

EXPERIENCE

TEACHING ASSISTANT: TEL 313 *Technology in the K-12 Curriculum* Aug 2011 to May 2012 and EDT 321 *Computer Literacy* Aug 2012 to Present

- TEL 313: Implementation of technology in the K-12 Curriculum
- EDT 321: Basic and advanced skills in MS Office and web design

RESEARCH ASSISTANT: National Science Foundation (NSF) funded, through the NSF's Transforming Undergraduate Education in Science (TUES) initiative, January 2011 to Present; Dr. Sandra Houston (sandra.houston@asu.edu), Principle Investigator

- Assist with interdisciplinary team (Education and Engineering) in the development and design of learning material and the collection and analyzing of data for Geotechnical Engineering undergraduate curriculum
- Write and publish material for American Society of Engineering Education (ASEE) national conferences

RESEARCH ASSISTANT: Cyber-learning, November 2013 to present, Dr. Robert Atkinson (robert.atkinson@asu.edu), Principle Investigator

- Ran undergraduate participants
- Collection, entry and analysis of data

ADJUNCT INSTRUCTOR: History 368: *Teaching History*, New Mexico State University; Face to Face (fall, 2006 to spring, 2008), Hybrid (fall, 2009) and online (fall, 2008 to December 2013)

- Designed, from previous classes and using my own ideas, an upper-division/graduate level college class: *Teaching History*
- Develop syllabus and curriculum for 30 to 60 undergraduate (4 to 7 graduate students from 2006 to 2010) with traditional and technology-based materials and activities
- Facilitate lessons in how to teach history in the elementary, middle and high school levels in both a live, online and hybrid setting
- Developed a multidisciplinary curriculum (Education and History)

CLASSROOM TEACHER: 2001 to 2011; 8th Grade Lang. Arts, (7 years total) and 7th grade Lang. Arts (3 years total); Michael Montoya, (mmontoya@lcps.k12.nm.us) Principal; Picacho M. S., Las Cruces, NM 88005 (575) 527-9455; Fax (575) 527-9459

- Instructed approx. 80 students over 3 class periods annually in Language Arts
- Developed and implemented lesson plans in regular and advanced Language Arts, including cross-curricular units with team members and Pre-AP methods
- Chair: administrator evaluation committee
- New teacher selection committee member
- Educational Plan for Student Success (EPSS) committee member (2006-2011)

CLASSROOM TEACHER: Fifth grade (Aug. 1997-Aug. 2001) and Sixth Grade (Aug. 1996-May 1997), All subject areas, Desert Trail Intermediate School, Gadsden Independent School District, Anthony, NM 88021; Tom Bulger (tbulger@lcps.k12.nm.us), Principal; (575) 824-6500; Fax (575) 824-6550.

- Instructed approx. 20-30 students in all disciplines
- Developed and implemented lessons and assessments in Math, Science, Social Studies and Language Arts
- New teacher mentor
- District calendar committee member
- Chair: Team leader committee (1997-1999)

STUDENT TEACHING: Tenth Grade World History, Las Cruces High School, Las Cruces Public Schools, Las Cruces, NM 88001; January to May, 1994; Michael Thayer, supervising teacher

- Instructed approx. 100 students over 5 different class periods of Developmental and Regular World History
- Developed and implemented own lesson plans and tests in the Social Studies curriculum

PUBLICATIONS

Ornelas, A., Savenye, W., Sadauskas, J. D., Houston, S., Zapata, C., & Ramirez, E. (2013). *An engineering and educational technology team approach to introducing new unsaturated soil mechanics material into introductory undergraduate geotechnical engineering courses: Cross-curricular coordination and working outside of your comfort zone.* In Proceedings of the 120th ASEE Annual Conference and Exposition, held in Atlanta, GA, June 23 - 26, 2013.

CONFERENCE PRESENTATIONS

Ornelas, A., Savenye, W., Sadauskas, J. D., Houston, S., Zapata, C., & Ramirez, E. (2013). *An engineering and educational technology team approach to introducing new unsaturated soil mechanics material into introductory undergraduate geotechnical engineering courses: Cross-curricular coordination and working outside of your comfort zone.* Poster presentation, 120th ASEE Annual Conference and Exposition, held in Atlanta, GA, June 23 - 26, 2013.

Houston, S., Zapata, C., Savenye, W., Ramirez, E., Ornelas, A. & Sadauskus, J., (2013). *Advancement of unsaturated soils theory into the undergraduate civil engineering curriculum.* Poster presentation, National Science Foundation Transforming Undergraduate Education in Science award # 1044012. CCLI-TUES PI Conference, Washington, D.C., January 23 - 25, 2013.

LICENSURE

New Mexico State Department of Education (NMSDE)

- Level III Instructional Leader
 - Endorsements: Elementary Education, K-8, Social Studies Specialist K-12, and Language Arts Specialist, K-12
- NMSDE Level 3B Administrative, K-12

Arizona Department of Education (ADE)

- Provisional Secondary History (7-12)

RELATIVE SKILLS

- Speak, read and write Spanish moderately well
- Web design
- Advanced computer skills

REFERENCES

Reference letters, names, addresses and phone numbers are available upon request.

PERSONAL INFORMATION

Born January 26, 1970, Roswell, New Mexico, USA
Citizenship: USA