

KEVIN V. YOUNG, PhD

Biology Lecturer

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EDUCATION

2010 PhD, Biology, Utah State University, Logan, UT
1995 B.S., Zoology, minor: French, Brigham Young University, Provo, UT

TEACHING EXPERIENCE

2020-present Lecturer, Biology, Utah State University, Brigham City, UT
2016-2020 Assistant Professor of Biology, Sul Ross State University, Del Rio, TX
2016 Adjunct Biology Faculty Southwest Texas Junior College, Del Rio, TX
2011-2014 Biology Professor, Arizona Western College, Yuma, AZ
2009-2010 Biology Professor, Snow College, Ephraim, UT
2003-2009 Biology Instructor, Utah State University, Brigham City, UT
1996-2002 Teaching Assistant, Utah State University, Logan, UT

COURSES TAUGHT

Human Anatomy	Human Physiology	Microbiology	Ecology
Cell Biology	Genetics	General Biology I and II	Evolution
Herpetology	Mammalogy	General Survey of Science	Permaculture
Phys Ecol of Vert	Vertebrate Nat Hist	Animal Behavior	Cons Biology

RECENT PROFESSIONAL DEVELOPMENT AND CERTIFICATION

2019-2020 Quality Enhancement Plan Faculty Navigator
2018-2020 Faculty Senate Secretary
2018 Texas Distance Learning Association Conference, Dallas, TX
2018 Quality Matters, "Applying the QM Rubric" certificate
2017 Joint Meeting of Ichthyologists and Herpetologists, Austin, TX
2017 Digital Education Summit, Sam Houston State University, Huntsville, TX
2017 Blackboard Modules: trained on 4 modules from Blackboard representatives
2017 Online Course Development Training. 3 days training at SHSU
2016 Southwest Partners in Amphibian and Reptile Conservation meeting, Alpine, TX
2013 Permaculture Design Certificate. The Permaculture Institute, NSW Australia.

PROFESSIONAL ASSOCIATIONS

Current memberships

Human Anatomy and Physiology Society
National Science Teachers Association
Partners in Amphibian and Reptile Conservation

Past memberships

Texas Distance Learning Association
Texas Blackboard Users Group
Herpetological Society
American Society of Ichthyologists and Herpetologists
National Association of Biology Teachers
Southwestern Association of Naturalists

Reviewer for *Herpetological Review*, *Herpetologica*, *Western North American Naturalist*, *Horned Lizard Conservation Society*, *Southwestern Association of Naturalists*, and *Research Foundation of the City University of New York (RFCUNY) Peer Review Program*

PUBLICATIONS (INCLUDING POPULAR LITERATURE)

2020 Research Gate indicates my publications have been read >2,400 times and cited >340 times. https://www.researchgate.net/profile/Kevin_Young20/stats

- Young, K.V., and students. 2018. Science: An Elementary Teacher's Guide. Open Educational Resource textbook for General Survey of Science. Written and hosted at [Wikibooks](#).
- Rogers, Nala. 2017. What the 'Game of Thrones' Dragons Might Really Look Like, According to Science. *Inside Science*. August 2017. (I was a consultant and my research cited)
- Brady, M., J. Koprowski, R. Gwinn, Y-S. Jo, and K.V. Young. 2015. Eastern fox squirrel (*Sciurus niger*, Linnaeus 1758) introduction to the Sonoran Desert. *Mammalia*.2015.0162
- Young, K.V., and A.T. Young. 2013. Results and Conclusions from Two Years of Biological Monitoring and Removal Surveys. Final Report submitted to ICF. 34 pp.
- Young, K.V., and R.E. Lovich. 2012. King of Horned Lizards Keeps the Victor's Crown. *Year of the Lizard News*, No. 5, July 2012.
- Young, K.V. 2010 Comparative Ecology of Sympatric Horned Lizards Under Variable Conditions. Dissertation, Utah State University.
- Young, K.V. 2010 Flat-tailed Horned Lizard Pre-construction Surveys on the Imperial Valley Solar Project Site. Report to the Bureau of Land Management. 14 pp.
- Rorabaugh, J. and K.V. Young. 2009 Flat-tailed Horned Lizard. Species account in Jones, L. L. C., and R. E. Lovich, eds. 2009. *Lizards of the American Southwest*. Rio Nuevo Publishers, Tucson, AZ.
- Royle, J.A., and K.V. Young. 2008. A Hierarchical Model for Spatial Capture-Recapture Data. *Ecology* Vol 89, No. 8:2281-2289.
- Young, K.V., and students. 2006. Human Physiology. Open Educational Resource textbook for Human Physiology course. Written and hosted at [Wikibooks](#).
- Young, K.V., and J.A. Royle. 2006. Abundance and site occupancy of flat-tailed horned lizard (*Phrynosoma mcallii*) populations in Arizona and California. Report to: U.S. Navy and U.S. Bureau of Reclamation. 21 pp.
- Young, K.V., and A.T. Young. 2005. Indirect Effects of Development on the Flat-tailed Horned Lizard. Final report submitted to AZ Game and Fish Dept., Yuma. 11 pp.
- Young, K.V., E.D. Brodie III, and E.D. Brodie, Jr. 2004. How the Horned Lizard Got its Horns. *Science* 304:65.
- Brodie, E.D. III, K. V. Young, and E. D. Brodie, Jr. 2004. How Did the Horned Lizard Get its Horns? Response. *Science* 305:1909-1910.

- Gardner, T. J., D.H. Foley III, E.D. Brodie, Jr., and K.V. Young. 2004. Barrier Fences Prevent Road Mortalities in the Flat-tailed Horned Lizard (*Phrynosoma mcallii*). *Herpetological Review* 35:250-251.
- Young, K.V., A.T. Young, and H. Spitzer. 2004. Comparison of Three Monitoring Techniques for Flat-tailed Horned Lizards: Trapping Web, Mark-Recapture, and Presence-Absence. Final report submitted to AZ Game and Fish Dept., Yuma. 32 pp.
- Flat-tailed Horned Lizard Interagency Coordinating Committee. 2003. Flat-tailed horned lizard rangewide management strategy, 2003 revision. 78 pp. plus appendices. [coordinated the revision between 13 federal and state agencies and acted as editor of the document]
- Young, K.V. and A.T. Young. 2000. Final report: scientific study of the flat-tailed horned lizard, *Phrynosoma mcallii*. U.S. Dept. of Navy Contracts N68711-95-LT-C0032, N68711-95-LT-C0035. 72 pp.
- Young, K.V. 1999. Final report: scientific study of the flat-tailed horned lizard, *Phrynosoma mcallii*, at Ocotillo Wells SVRA, 1998 Field Season. California State Parks Off-Highway Motor Vehicle Division, Sacramento ,CA. 20 pp.

RESEARCH AND PROFESSIONAL PRESENTATIONS

- Using FlipGrid to Connect to Students in Online Environments. Workshop for Texas Blackboard Users Group. Proposal accepted for October 2018 conference.
- Improving Mark-Recapture Studies: Lessons Learned from Horned Lizards. *Angelo State University BioLunch*, San Angelo, TX. October 2016.
- Creativity as a Means to Problem Solving. Presentation to *Arizona Western College Faculty Development Conference* on critical thinking. February 2013.
- Conservation and management of an almost-listed reptile. Invited presentation at the *37th Annual Meeting and Symposium of the Desert Tortoise Council*. February 2012.
- Comparative Ecology of Sympatric Horned Lizards Under Variable Conditions. Dissertation defense at *Utah State University*. March 2010.
- Use of a Wiki Site to Promote Sustainable Actions Among Students. *Association for the Advancement of Sustainability in Higher Education Conference: Working Together for Sustainability – On Campus and Beyond*. November 2008.
- It's a Wiki World! Instructional Strategies and Technologies presentation to *National Association of Biology Teachers Professional Development Conference*. October 2008.
- Nomadic Movements and Lack of Home Range in the Flat-Tailed Horned Lizard (*Phrynosoma mcallii*). *4th Horned Lizard Symposium of the Horned Lizard Conservation Society*, Portal, AZ, 20-21 October 2000.
- Horn Length in Horned Lizards: Shrikes as a Selective Agent. *79th Annual Meeting of the American Society of Ichthyologists and Herpetologists*, State College, PA, 24-30 June 1999.
- Horned Lizard Diet and Drought: A Scat-Based Dietary Comparison of *Phrynosoma mcallii* and *Phrynosoma platyrhinos*. *Current Research on Herpetofauna of the Sonoran Desert*, Phoenix, AZ, 9-10 April 1999.
- Scat Analysis of Two Sympatric Species of Horned lizards. Poster presented at the *77th Annual Meeting of the American Society of Ichthyologists and Herpetologists*, Seattle, WA, 26 June-2 July 1997.
- Road Track Surveys of Black Bears in Utah. Poster presented at the *10th International Bear Conference*, Fairbanks, AK, 16-20 July 1995.

GRANTS RECEIVED

- 2014 While at Arizona Western College. Habitat Improvement Project for the Science, Technology, and Engineering Reptile Shelter. *Arizona Game and Fish Department Heritage Fund*. \$10,000.
- 2005 While at Utah State University. Flat-tailed Horned Lizard Combined Presence-Absence and Mark-Recapture Surveys at the Marine Corps Air Station, Yuma, AZ and Presence-Absence Surveys at the Naval Air Facility El Centro, El Centro, CA. *Southwest Division, Naval Facilities Engineering Command*. \$52,435.

INDEPENDENT CONSULTANT (YOUNG ENVIRONMENTAL CONSULTING) 2001-2016

Responsibilities included: hiring and training field crews, designing research protocols, inputting and analyzing data, writing reports, and giving presentations. I led the revision of the *Flat-tailed Horned Lizard Rangeland Management Strategy* and coordinated with personnel from 13 state and federal agencies. I won contracts to test three different sampling methods in Arizona and to test indirect effects of agriculture on the lizard populations. I helped University of Arizona with the design of their sampling and monitoring techniques, as well as helped train their field crew. I have conducted mark-recapture studies, scat transects, telemetry, data analysis, and reporting. I have conducted pre-construction surveys, removed Flat-tailed Horned Lizards at an airstrip construction site, and worked as a biological consultant during construction of a solar power plant.

RECENT VOLUNTEER EFFORTS

Member of the Val Verde Border Humanitarian Coalition
Faculty Sponsor, Sul Ross Biology Students Club
Various service positions in Boy Scouts of America
Member, Del Rio Community Garden
Field Assistant to Dr. Daniel Foley for ongoing studies of the Rio Grande River Cooter, *Pseudemys gorzugi* (a local species considered "Near Threatened" on the IUCN Red List).
Sub-licensed Wildlife Rehabilitator
Beta Tester: GridPals. Connected my General Survey of Science class (BIO3300) with 1st grade classrooms in Chicago and Ohio using FlipGrid software