

Connie Phillips Russell
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A. Professional Preparation

Rich Mountain Community College		A.G.S., 1991
Henderson State University	Biology	B.S.E., 1993
Henderson State University	Biology	M.S.E., 1995
Oklahoma State University	Zoology	Ph.D., 1999

B. Appointments

1999-present	Associate Professor, Department of Biology, Angelo State University
Summer 1999	Visiting Assistant Professor, Oklahoma State University
1997-1999	Research Assistant, Oklahoma State University
1996-1997	Teaching Assistant, Oklahoma State University
1995-1996	Research Assistant, Oklahoma State University

C. Publications

Peer Reviewed

- French, D.P. and C.P. Russell. 2006. "Improving Student Attitudes Toward Biology" In J.J. Mintzes and W.H. Leonard, (Eds.), *Handbook of College Science Teaching*. Chapter 2. National Science Teacher's Association. NSTA Press.
- French, D.P. and C.P. Russell. 2006. "Converting Laboratories from Verification to Inquiry" In J.J. Mintzes and W.H. Leonard, (Eds.), *Handbook of College Science Teaching*. Chapter 21. National Science Teacher's Association. NSTA Press.
- French, D.P. and C.P. Russell. 2002. "Do Graduate Teaching Assistants Benefit from Teaching Inquiry-Based Laboratories?" *BioScience*. 52(11): 1036-1041.
- Russell, C.P. and D.P. French. 2001. "Factors Affecting Participation in Traditional and Inquiry-based Introductory Biology Laboratories as Determined by Behavioral Observations and Qualitative Interviews." *The Journal of College Science Teaching* 31(4): 225-229.
- French, D.P. and C.P. Russell. 2001. "The Lecture Facilitator: An Aid to Collaboration in the Large Lecture Environment" *The Journal of College Science Teaching*. 31(2): 116-121.

Editorials

- Russell, C.P. 2010. Society for College Science Teachers: "Perpetually Updating" *The Journal of College Science Teaching*. 39(5): 82-83.
- Russell, C.P. 2009. Society for College Science Teachers: "it sais i have a D how that be?" *The Journal of College Science Teaching*. 39(2): 84,86.
- Russell, C.P. 2009. Society for College Science Teachers: "Wearing Too Many Hats" *The Journal of College Science Teaching*. 38(6): 78,80.
- Russell, C.P. 2004. Society for College Science Teachers: "Do You Need an Introductory Science Specialist?" *The Journal of College Science Teaching*. 33(7): 63-64.

Laboratory Manuals

Russell, C.P. and D.P. French. 2009 Edition. Biological Investigations: A Laboratory Resource Manual. Fountainhead Press, Fort Worth, TX.

D. Synergistic Activities

1. I been coordinating and teaching the introductory biology course designed for biology majors and minors at ASU since 1999. In that time, I have revised the course from a traditional lecture format without a mandatory laboratory section to an inquiry-based format with a mandatory inquiry-based laboratory. In the lecture component of the course, I have adapted the scenario approach that I helped to design while at OSU. In addition to using several of the scenarios produced there, I have also written scenarios and a set of tutorials for use here and have introduced the use of a Personal Response System (clickers) for use in collecting formative and summative assessments for adjusting curricula to meet student needs.
2. In recent years, I have been active in ASU's partnership with the Texas Collaborative for Excellence in Teacher Preparation. I have conducted workshops for faculty involving the introduction of inquiry-based activities into their classrooms, in web site development, and in the use of Personal Response Systems (clickers) as well as other means of facilitating large lecture section instruction and have made more than 30 presentations at national and regional conferences organizations such as the National Science Teachers Association and the National Biology Teachers Association.
3. In addition to the research I conducted at OSU on the relationship between attitude, achievement and behavior in inquiry-based laboratories, I have also conducted research on the relationship among self-efficacy, motivation, attitude and practice of science process skills in inquiry-based biology lectures and laboratories at ASU. My current research focuses on the use of clickers to facilitate student learning and success of First Year Experience Programs.