

BIOL 4750/6750

Scientific Teaching

Spring 2016

M 14:30-15:20

Instructor: Dr. Becky Williams

Office: BEERC 221B

Email: toxwilliams@gmail.com

Office Hours: 16:00-17:00 Wed **or by appointment**

Office Phone: 435 722 1787

Website: Some course materials will be available on Canvas. You may login with your A number and password. <https://canvas.usu.edu/> There is no required text; however, required and recommended readings will be available on Canvas. Links to other web resources are also available on Canvas.

Catalog Description: This is a one-credit graduate seminar on incorporating scientific teaching methods into your classes. We will survey primary literature on active learning, inclusive teaching, how people learn, assessment, and other topics. Each student will develop learning outcomes for one of the lessons they teach. Each student will be expected to lead 1–2 discussion sections.

Americans with Disabilities Act: Reasonable accommodation will be provided for all persons with disabilities in order to ensure equal participation within the program. If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center (797-2444), preferably during the first week of the course. Any request for special consideration relating to attendance, pedagogy, taking of examinations, etc., must be discussed with and approved by the instructor. In cooperation with the Disability Resource Center, course materials can be provided in alternative format, large print, audio, diskette, or Braille.

Academic Integrity: Full university policies regarding student conduct may be found in the student code: <http://www.usu.edu/studentservices/studentcode/>

<u>Grading:</u>	Participating in Discussions (10)	100 pts (10 pts ea)
	Leading a Discussion	100 pts
	Learning Outcomes	50 pts
	Total	250 pts

The following is a breakdown of grade assignments.

<u>Grade</u>	<u>% of Total Pts</u>	<u>Grade</u>	<u>% of Total Pts</u>
A	93% and above	C	73–75%
A-	90–92%	C-	70–72%
B+	86–89%	D+	66–69%
B	83–85%	D	60–65%
B-	80–82%	F	59% and below
C+	76–79%		

Tentative Schedule		BIOL 4750/6750 Scientific Teaching	Spring 2016
Date	Topic	Presenter	
Jan 11	Organizational Meeting	Becky	
Jan 18	Holiday (No Class)		
Jan 25	Scientific Teaching Principles	Becky	
Feb 1	Resource Sharing Brainstorming	Andrew	
Feb 8	Backward Design	Chris	
Feb 15	Holiday (No Class)		
Feb 22	Active Learning	Sammy	
Feb 29	Inclusive Teaching	Kim	
Mar 5	Spring Break (No Class)		
Mar 14	How People Learn	Calvin	
Mar 21	Assessment	Danielle	
Mar 28	To Be Determined^		
Apr 4	Learning Outcomes	All	
Apr 11	Learning Outcomes	All	
Apr 18	To Be Determined^		
Apr 25*	Wrap Up		

^Topics & schedule are flexible

*There is no final exam associated with this seminar class.