

CARRIBETH L. BLIEM

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Education:

1985-1989 M.S. Chemistry, University of Colorado, Boulder
1981-1985 B.S. Chemistry, University of Utah, Salt Lake City, UT

Professional Experience:

2018-Present Teaching Assistant Professor, Department of Chemistry, University of North Carolina, Chapel Hill, NC
Instructor-of-record for three lecture courses (CHEM 101, 102 & CHEM 480) and two lab courses (CHEM 102L & CHEM 481L)

2002-Present Visiting Lecturer, Department of Chemistry, University of North Carolina, Chapel Hill, NC
Instructor-of-record for four lecture courses (CHEM 101, 102, 291 & CHEM 480) and two lab courses (CHEM 102L & CHEM 481L), total enrollment: more than 9200 undergrads.

1997 Adjunct faculty, School of Education, University of Colorado at Denver, Denver, CO
Instructor-of-record for REM 5300: Introduction to Measurement for School Psychologists

1996-1991 Research Assistant, School of Education, University of Colorado at Boulder, Boulder, CO
Conducted research on K-12 classroom assessment as part of larger research project funded by Center for Research on Evaluation, Standards and Student Testing, UCLA.

1990-1991 High school teacher, Accelerated Schools, Denver, CO

PUBLICATIONS

1. Chrystal D. Bruce, Carribeth L. Bliem, and John M. Papanikolas, "Partial Derivatives: Are you kidding? Teaching thermodynamics using Virtual Substance", in "Advances in Teaching Physical Chemistry", Edited by M.D. Ellison and T.A. Schoolcraft, ACS Symposium Series 973, **2008**, 194-206. Refereed.

2. Hilda Borko, Kathryn H. Davinroy, Carribeth L. Bliem, and Kate Cumbo, "Exploring and Supporting Teacher Change: Two Third-Grade Teachers' Experiences in a Mathematics and Literacy Staff Development Project", *Elementary School Journal*, **2000**, v100 n4, 273-306. Refereed.
3. Lorrie A. Shepard and Carribeth L. Bliem, "Parents' Thinking about Standardized Tests and Performance Assessments", *Educational Researcher*, **1995**, v24 n8, 25-32. Refereed.
4. Lorrie A. Shepard and Carribeth L. Bliem, "An Analysis of Parent Opinions and Changes in Opinions regarding Standardized Tests, Teacher's Information, and Performance Assessments: Technical Report", Center for Research on Evaluation, Standards and Student Testing, UCLA, **1995**.
5. Lorrie A. Shepard and Carribeth L. Bliem, "Parent Opinions about Standardized Tests, Teacher's Information, and Performance Assessments: Technical Report", Center for Research on Evaluation, Standards and Student Testing, UCLA, **1993**.

PRESENTATIONS

1. "Less Lecturing, More Learning", UNC-CH Center for Faculty Excellence Fall 2012 Faculty Showcase **Nov 2012**.
2. "It's not enough to get the right answer: Understanding matters, too", Teacher Workshop Series through UNC-CH Office of Admissions **Feb 2012**.
3. "Preservice Teachers' Beliefs about Assessment", Annual Conference of the American Educational Research Association in Chicago, IL **Mar 1997**.
4. "Teacher Change in Reform-Based Education", Annual Conference of the American Educational Research Association in New York, NY **Apr 1996**.
5. "Teachers' Beliefs about Assessment and Instruction in Literacy", Annual Conference of the American Educational Research Association in New York, NY **Apr 1996**.
6. "An Analysis of Parent Opinions and Changes in Opinions regarding Standardized Tests, Teacher's Information, and Performance Assessments", National Conference on Large-Scale Assessment in Phoenix, AZ **June 1995**.
7. "'How Does my Teacher Know What I Know?' Third Graders' Perceptions of Math, Reading, and Assessment", Annual Conference of the American Educational Research Association in New Orleans, LA **Apr 1994**.
8. "Parent Opinions about Standardized Tests, Teacher's Information and Performance Assessments", National Conference on Large-Scale Assessment in Albuquerque, NM **June 1993**.
9. "Parent Opinions about Standardized Tests, Teacher's Information and Performance Assessments", Annual Conference of the American Educational Research Association in Atlanta, GA **Apr 1993**.

CHEM ED RESEARCH SUPPORT

1. Center for Faculty Excellence, UNC-CH, "CFE 100+ Large Course Redesign Grant for CHEM 101," (5/12-5/13), \$8500, with Jen Krumper.
2. Dreyfus Foundation, "Virtual Substance - A Tool for Teaching Science Inquiry from Middle School to Physical Chemistry," (6/07-9/09), \$33000, with John Papanikolas (PI) and Crystal Bruce.

TEACHING RECORD AT UNC-CH

Year	Semester	Course(s)	Enrollment
2017	Fall	Chem 101	403
		Chem 102	225
	Summer I	Chem 102	65
		Chem 102L	58
2016	Spring	Chem 102	420 (2 sections)
	Fall	Chem 102	380 (2 sections)
		Summer II	Chem 102
	Spring	Chem 102L	~60
		Chem 102	166
Chem 291		~100	
2015	Fall	Chem 481L	19
		Chem 101	191
		Chem 480	95
	Summer II	Chem 102	100
		Chem 102L	60
	Spring	Chem 102	206
		Chem 291	~40
2014	Fall	Chem 102 (cotaught)	200
		Chem 291	~40
		Chem 480 (cotaught)	76
		Chem 481L	60
	Summer II	Chem 101 – Bridge Program	13
	Summer I	Chem 102	100
	Spring	Chem 102	200
2013	Fall	Chem 481L	30
		Chem 101	163
		Chem 480	75
	Summer II	Chem 101 – Bridge Program	19
	Summer I	Chem 101	120
	Spring	Chem 101	153
		Chem 481L	26
2012	Fall	Chem 101	350
		Chem 480	65

	Summer II	Chem 101 – Bridge Program	19
	Summer I	Chem 101	85
2012	Spring	Chem 102	202
		Chem 481L	26
2011	Fall	Chem 102	212
	Summer	Chem 101	115
	Spring	Chem 101	190
		Chem 481L	32
2010	Fall	Chem 101	398
		Chem 481L	54
	Summer	Chem 101	89
	Spring	Chem 101	202
		Chem 481L	24
2009	Fall	Chem 102	204
		Chem 481L	59
	Summer	Chem 101	102
	Spring	Chem 101	162
		Chem 481L	32
2008	Fall	Chem 481L	55
	Summer	Chem 101	85
	Spring	Chem 102	198
2007	Fall	Chem 102	222
		Chem 481L	63
	Summer	Chem 101	90
	Spring	Chem 101	203
2006	Fall	Chem 101	160
		Chem 481L	65
	Summer	Chem 101	94
	Spring	Chem 11	208
2005	Fall	Chem 181L	54
	Spring	Chem 11	204
2004	Fall	Chem 21	173
		Chem 181L	76
	Spring	Chem 11	197
2003	Fall	Chem 11	150
	Spring	Chem 21	~200
2002	Fall	Chem 11	~200

OUTREACH/COMMUNITY SERVICE

1. "Tips for success in science courses and beyond", Presentation to UNC-CH Minority Association of Pre-health Students **Jan 2009**.
2. Taught Advanced Chemistry at Carolina Friends School, Durham, NC
Four students earned 5, 5, 3 and 2 on AP Exam upon completion of course
F2010-Sp2011 and **F2015-Sp2016**