

# Amanda Edmiston Schaetzel, Ph.D.

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## EDUCATION

2000	University of Colorado, Boulder, CO	Ph.D.	Environmental, Population, and Organismic Biology; Certification in Neuroscience
1988	Boston University, Boston, MA	B.A.	Biology
1986	Kansas State University, Manhattan, KS		Biochemistry
1985	University of Tampa, Tampa, FL		Biology

## ACADEMIC POSITIONS, TEACHING EXPERIENCE, & RELEVANT POSITIONS

- 2021 – Present      **Teaching Assistant Professor**, Integrated Physiology Department (CU Boulder)
- Introduction to Human Anatomy (IPHY3410, 001, 002), Developed and co-taught large (500+ students) lecture course remotely (during pandemic); also independently taught 250 students remotely
  - Introduction to Human Anatomy (IPHY3410, 581, 582), online
  - CU Complete Liaison for IPHY Department
    - Helped instructors with online strategies
    - Developed a central hub (recorded lectures, syllabi, learning goals) for IPHY department in Canvas and Google Teams
    - Helped develop online Physiology lab (IPHY3437)
  - Medical Terminology (IPHY2400, 581), Developed and taught online version.
  - Medical Terminology (IPHY2400). Developed and taught in person class (110 students)
  - Education Abroad: History of Medicine class (in London); submitting (in March 2022) a course proposal for a 2023 Maymester class
- 2017 – 2020      **In-Class Lecturer**, Health Professions Residential Academic Program and Farrand Residential Academic Program
- University of Colorado, Boulder, CO
    - Human Physiology I (IPHY 3470, face-to face)
    - Introduction to Human Anatomy (IPHY 3410, face-to-face)
    - Nutrition for Health and Performance (IPHY 2420, face-to-face)
- 2014 – Present      **In-Class and Online Lecturer**, Division of Continuing Education and Professional Studies
- University of Colorado, Boulder, CO
    - Developer and Lecturer, Introduction to Human Anatomy (IPHY3410, online)
    - Lecturer, Nutrition for Health and Performance (IPHY 2420, hybrid)
    - Developer and Lecturer, Biology: A Human Approach I and II (EBIO 1030 and 1040, online)

- Lecturer, Advanced Ecology (EBIO 4100, online)

2008 – 2016

**Adjunct Faculty**

- Front Range Community College, Longmont, CO
  - Instructor, Anatomy and Physiology I (BIO 201)
  - Instructor, Basic Anatomy and Physiology, online and face to face (BIO106)
  - Instructor, Science of Biology (BIO 105)
  - Nominee for Master Teacher (2011 & 2012)
  - Online Instructor Certification (Blackboard and D2L)
  - One-on-one tutor (BIO 201, BIO 202, BIO 106, BIO 105, BIO 111) and Walk-in Biology Tutor for all biology classes
  - Attendee of Teaching and Learning with Technology Conferences (5<sup>th</sup>-11<sup>th</sup> Annual meetings)
  - Participant of Teaching with Purpose Academy (2011)
  - FRCC Foundation Scholarship Reviewer (2011)

2015 – present

**Author, Reviewer, Consultant**

- Cengage Learning, Inc.
  - Reviewer for multiple editions of a non-majors biology text book
  - Author and reviewer for online test bank
  - Consultant for online platform: MindTap
  - Content expert and primary author, reviewer, and consultant for Cerego, online learning tool

2012

**Online Adjunct Faculty**

- Colorado Community College System, Denver, CO
  - Online Instructor, Anatomy and Physiology I (BIO201)

2003 – 2005

**Associate Faculty, Sciences**

- Boulder College of Massage Therapy, Boulder, CO
  - Lead of Human Sciences Department
  - Lecturer, Anatomy and Physiology I, II
  - Lecturer, Pathophysiology
  - Development of curricula for Anatomy and Physiology I, II and Pathology
  - Participant in hiring committees
  - Interviewer for prospective students
  - Lead Research Associate for two studies:
    - Effects of Massage on Carpal Tunnel Symptoms and Recovery
    - Recovery Following the Bolder Boulder: the Effects of Massage
      - Responsibilities for both included: study design, recruitment, data acquisition, analysis, and manuscript preparation

2002

**Adjunct Faculty**

- Front Range Community College, Longmont, CO
  - Instructor, Basic Anatomy and Physiology (BIO 106)

2000 – 2001

**Lecturer**

- University of Colorado, Boulder, CO

- Biology, A Human Approach I and II (EPOB 1030, 1040, in the classroom)

1992 – 2000

**Teaching Assistant**

– University of Colorado, Boulder, CO

- Introduction to Human Anatomy (EPOB 3420)
- Cadaver dissection
- Biology, A Human Approach Lab (EPOB 1050)
- General Biology Lab I & II (EPOB 1230, 1240)

## OTHER POSITIONS HELD

2006 – 2008

**Unit Coordinator, Certified Nurse Aide** – Longmont United Hospital (ICU, Telemetry floors), Longmont, CO

1994

**Participant in the Neural Systems and Behavior Course** – Marine Biological Laboratories, Woods Hole, MA

1994

**Member of Departmental Hiring Committee** – Department of Environmental, Population, and Organismic Biology, University of Colorado, Boulder, CO

1992 – 2000

**Advisor and Mentor, Independent Undergraduate Research Projects** – University of Colorado, Boulder, CO

1992 – 1997

**Research Assistant to Anne Bekoff, Ph.D.** – Department of Environmental, Population, and Organismic Biology, University of Colorado, Boulder, CO

1990 – 1992

**Quality Control Technician** – Syntex Chemicals, Inc., Boulder, CO

1988 – 1989

**Research Technician** – Joslin Diabetes Center, Boston, MA

1988

**Research Assistant to Tom Kunz, Ph.D.** – Department of Biology, Boston University, Boston, MA

1987 – 1988

**Intern – Boston Museum of Science**, Boston, MA

- Development and design of exhibits
- Training of employees and volunteers (Biological Sciences)

## CONTINUING EDUCATION

2019

Attendee, Faculty Teaching Excellence Program (FTEP)

2017, 2019

Attendee, Human Anatomy and Physiology (HAPS) Conferences

2017

Attendee, Diversity & Inclusion Summit, University of Colorado

2015

Attendee, USDLA (United States Distance Learning Association) Conference

2014 -2019	Attendee, COLTT (Colorado Learning and Teaching with Technology) Conference, University of Colorado
2008-2014	5 <sup>th</sup> – 11 <sup>th</sup> Annual FRCC Teaching and Learning with Technology Conference, Front Range Community College, Boulder County Campus Skills learned: <ul style="list-style-type: none"><li>▪ Screencasting</li><li>▪ Podcast development</li><li>▪ Animation development</li><li>▪ Videotaping lectures</li><li>▪ Online teaching strategies</li></ul>
2010	Desire2Learn and Blackboard training, Front Range Community College
2007	Pharmacology, University of Missouri
2007	Developmental Psychology, University of Northern Colorado
2007	Longmont United Hospital CMEs <ul style="list-style-type: none"><li>▪ Intro to EKG, Basic EKG</li><li>▪ Rhythm Strip Interpretation Review (EKG)</li><li>▪ Psych Skills Labs (Crisis Intervention, Side Effects of Antipsychotic Medication, Boundary Issues, Music Therapy)</li></ul>
2006	Medical Terminology, Front Range Community College
2005	Certified Nurse's Aide Course, Front Range Community College

## HONORS AND AWARDS

2011 & 2012	Nominee Master Teacher – Front Range Community College
1999	University Woman's Club Scholarship – University of Colorado
1998	Nominee for Outstanding Graduate Teaching Assistant – University of Colorado
1998	Graduate School Travel Grant – Department of Environmental, Population, and Organismic Biology – University of Colorado
1997	Graduate School Travel Grant – Department of Environmental, Population, and Organismic Biology – University of Colorado
1994	Departmental Research Grant – Environmental, Population, and Organismic Biology – University of Colorado
1988	Cum Laude with Distinctions – Boston University
1984	Dean's List, Full Army ROTC Scholarship, Phi Eta Sigma Honor Society – University of Tampa

## PRESENTATIONS AT MEETINGS

- 2004            *Pain: A Biological Perspective*. American Massage Therapy Association  
Massage Awareness presentation, Boulder College of Massage Therapy,  
Boulder, CO
- 1999            *What is the role of the neck muscles (complexus and spinalis cervicus) in the  
hatching of the domestic chick?* Environmental, Population, and Organismic  
Biology Symposium, Boulder, CO
- 1998            *Preventing domestic chicks from hatching: A kinematic analysis of effects on  
post-embryonic walking*. The Fifth International Congress of Neuroethology,  
LaJolla, CA
- 1997            *What is the role of neck muscles (complexus and spinalis cervicus) in the  
hatching of the domestic chick?* Society for Neurosciences, New Orleans, LA
- 1997            *A neuroethological look at hatching: The role of the "hatching muscle" in the  
hatching of the domestic chick*. Rocky Mountain Regional Neuroscience Group  
Meeting, Denver, CO

## PUBLICATIONS

- Moraska, A., Chandler, C., Edmiston Schaetzel, A., Franklin, G. Calenda, EL, and Enebo, B.  
Comparison of a targeted and general massage protocol on strength, function, and symptoms  
associated with carpal tunnel syndrome: a randomized pilot study. *J Alt. Comp. Med.* **14** (3):  
259-267.
- Edmiston, A.S., Gallager, A.W., Fisher, S., and Bekoff, A. (1998). Preventing domestic chicks from  
hatching: A kinematic analysis of effects on post-embryonic walking. *Fifth Int. Cong.  
Neuroethol.* **5**: 274.
- Edmiston, A.S., Hernandez, T.D., and Bekoff, A. (1997). What is the role of neck muscles (complexus  
and spinalis cervicus) in the hatching of the domestic chick? *Soc. Neurosci. Abstr.* **23**: 2136.

## MEMBERSHIPS

- 2017- present            Human Anatomy and Physiology Society (HAPS)
- 2016                        Textbook and Academic Authors Association (TAA)
- 2015                        United States Distance Learning Association (USDLA)