

# 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**, Integrative Physiology Department (CU Boulder)

- Introduction to Human Anatomy, IPHY 3410
  - Modalities
    - Online, Continuing Education, each spring, summer, and fall semesters since 2014
    - Remote and flipped, IPHY Department, co-taught (fall, spring 2020) and taught (fall 2021) flipped, large classes during pandemic
    - In-person, IPHY Department, taught on campus (spring 2022, 2023; fall 2022)
  - Undergraduate Teaching Assistants (UGTAs)
    - Utilized as peer mentors each semester (fall 2020 to fall 2024)
    - Numbers ranged from 1 and 50 through the semesters
- Introduction to Medical Terminology for Future Health Professionals, IPHY 2400
  - Modalities taught
    - Online, Continuing Education and Main Campus, summer 2021, 2022, 2023, 2024; fall 2021,
    - In-person, IPHY Department, fall 2022, 2023, 2024; spring 2023, 2024 (2 sections)
- History of Medicine, IPHY 4040
  - Education Abroad Global Seminar taught in London, 2023, 2024
    - 16-18 students, 3 week intensive; co-taught with Ruth Heisler

### **Online Liaison for the IPHY Department**

- Supported instructors with online strategies and online class development

- Helped with the finalization of class development to support CU Complete

**Service member**

- Served as an Academic Advisor for the Diabetes Link (CU branch), 2023-present
  - Activities included mentoring student members, helping members secure guest speakers, and developing and running a 5K to fund Type I Diabetes research
- Served on the Academic Technologies and Services Committee of the Boulder Faculty Assembly (2023-2024)
- Committee member on the A&S Undergraduate Online Strategy Ad Hoc Working Group (2023)
  - Tasked to develop a robust online presence at CU for undergraduate students
  - Recommendations to be submitted prior to the end of fall 2023

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, in-person)
  - Introduction to Human Anatomy (IPHY 3410, in-person)
  - Nutrition for Health and Performance (IPHY 2420, in-person)

2014 – 2021

**In-Class and Online Lecturer**, Division of Continuing Education and Professional Studies

- University of Colorado, Boulder, CO
  - Introduction to Human Anatomy, IPHY 3410, online
  - Nutrition for Health and Performance IPHY 2420, hybrid format
  - Developer and Lecturer, Biology: A Human Approach I and II, EBIO 1030 and 1040, online
  - 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 (BIO 106)
  - Instructor, Science of Biology (BIO 105)
  - Nominee for Master Teacher Award (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 – 2018

**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	<b>Research Assistant to Anne Bekoff, Ph.D.</b> – Department of Environmental, Population, and Organismic Biology, University of Colorado, Boulder, CO
1990 – 1992	<b>Quality Control Technician</b> – Syntex Chemicals, Inc., Boulder, CO
1988 – 1989	<b>Research Technician</b> – Joslin Diabetes Center, Boston, MA
1988	<b>Research Assistant to Tom Kunz, Ph.D.</b> – Department of Biology, Boston University, Boston, MA
1987 – 1988	<b>Intern – Boston Museum of Science</b> , Boston, MA <ul style="list-style-type: none"><li>• Development and design of exhibits</li><li>• Training of employees and volunteers (Biological Sciences)</li></ul>

## CONTINUING EDUCATION

2014 -2023	Attendee, COLTT (Colorado Learning and Teaching with Technology) Conference, University of Colorado
2022	Attendee, The Reacting Consortium
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
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 for Master Teacher Award – 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- 2019	Human Anatomy and Physiology Society (HAPS)
2016	Textbook and Academic Authors Association (TAA)
2015	United States Distance Learning Association (USDLA)