

## **Cory L. Butts, Ph.D.**

Department of Health Promotion & Human Performance  
Weber State University  
Office 307F  
1435 Village Dr. Dept. 2801  
Ogden, UT 84408  
O: (801) 626 – 6887  
C: (605) 490 – 0597  
[corybutts@weber.edu](mailto:corybutts@weber.edu)

### **EDUCATION:**

**Ph.D., Kinesiology with Exercise Science Emphasis      August 2018**  
Graduate Certificate, Educational Statistics & Research Methods

Dissertation Title:

**M.S., Exercise Physiology      May 2013**

**B.S., Exercise Science,      May 2011**

### **ACADEMIC APPOINTMENTS:**

- Assistant Professor, Exercise & Sport Science  
(      2018-Present)
  - Responsibilities include:
    - Teaching Exercise Physiology Lectures, Laboratories, & Measurement and Statistics in Exercise Science
    - Perform service related to department and university goals and mission.
    - Conduct research to enhance learning opportunities for undergraduate students.
    - Mentor and advise undergraduate students in Exercise and Sports Science Program.
  
- Graduate Research and Teaching Assistant  
(      2014-2018)
  - Responsibilities include:
    - Leading and assisting various research protocols in the Exercise Science Research Center.

- Providing guidance to undergraduate and graduate students completing research, such as methodological, technical, and statistical support.
  - Teaching coursework in the undergraduate Kinesiology program including lecture, laboratory, and activity classes.
- Enhanced Graduate Teaching & Research Assistant (2011-2013)
  - Responsibilities included:
    - Leading and assisting with research in Cardiovascular and Pulmonary Research Laboratory.
    - Teaching laboratory courses in the undergraduate Kinesiology program.
    - Serving as a teaching assistant and tutoring assistant in the Physiology of Exercise course.

**TEACHING EXPERIENCE:**

**Weber State University: Instructor of Record Courses**

<b>Term</b>	<b>Course Title</b>	<b>Course Number</b>	<b>Student Enrollment</b>	<b>Student Rating</b>
Fall 2018	Exercise Physiology	ESS 3510	48	N/A
Fall 2018	Measurement & Statistics in Exercise Science	ESS 3600	22	N/A

**University of Arkansas: Instructor of Record Courses**

<b>Term</b>	<b>Course Title</b>	<b>Course Number</b>	<b>Student Enrollment</b>	<b>Student Rating</b>
Spring 2018	Performance & Drugs	EXSC 4773	95	4.76 / 5.0
Spring 2018	Beginning Jogging	PEAC 1221	17 (Section 1) 21 (Section 2) 20 (Section 3)	4.36 / 5.0 4.57 / 5.0 4.77 / 5.0
Spring 2018	Fitness Walking	PEAC 1391	20 (Section 1) 21 (Section 2) 18 (Section 3)	4.88 / 5.0 4.39 / 5.0 4.55 / 5.0
Fall 2017	Performance & Drugs	EXSC 4773	62	4.08 / 5.0
Fall 2017	Laboratory Techniques	EXSC 3553	21	4.68 / 5.0
Spring 2017	Laboratory Techniques	EXSC 3553	20	4.84 / 5.0
Fall 2016	Laboratory Techniques	EXSC 3553	20	4.82 / 5.0

Spring 2016	Laboratory Techniques	EXSC 3553	18	4.68 / 5.0
Fall 2015	Fitness Concepts	PEAC 1621	97 (8 wk 1) 97 (8 wk 2)	4.52 / 5.0 4.54 / 5.0
Spring 2015	Fitness Concepts	PEAC 1621	38 (8 wk 1) 29 (8 wk 2)	4.88 / 5.0 4.53 / 5.0
Spring 2015	Fitness Walking	PEAC 1391	27	4.88 / 5.0
Fall 2014	Fitness Concepts			

- Responsibilities: Lecturing on select content, grading exams, quizzes, managing Blackboard content, preparing clicker quizzes
- Tutoring Coordinator: University of Texas at Arlington
  - KINE 3315: Physiology of Exercise
    - Spring 2013, Fall 2012, Spring 2012
      - Responsibilities: Provided tutoring hours for course material review, hosted exam reviews

## **PUBLICATIONS:**

### ➤ *Peer-reviewed journal publications*

18. Caldwell AR, Burchfield JM, Moyon NE, Tucker MA, **Butts CL**, Elbin RJ, Ganio MS. Obesity, But Not Hypohydration, Mediates Changes in Mental Task Load During Passive Heating in Females. , 2018 EPUB. DOI 10.7717/peerj.5394

9. Yates BA, Ellis LA, **Butts CL**, McDermott BP, Williamson KH, Armstrong LE. Factors Associated with Pre-Event Hydration Status and Drinking Behavior of Middle-Aged Cyclists. 22(3), 335-340., 2018.
8. **Butts CL**, Smith CR, Ganio MS, McDermott BP. Physiological and



15. Caldwell A, Tucker M, **Butts C**, McDermott B, Vingren J, Kunces L, Lee E, Munoz C, Williamson K, Armstrong L, Ganio MS. Effect of Caffeine on Recovery from an Endurance Cycling Event.

. 11 (3), 39.

(2015)

14. Lühring KE, **Butts CL**, Smith CR, Bonacci JA, Ylanan R, McDermott BP. Cooling Effectiveness of Modified Cold-Water Immersion Method Following Exercise Induced Hyperthermia.

. 50 (6), 59-60. (2015)

13. **Butts CL**, Lühring KE, Smith CR, Burchfield JM, Moyen NE, Tucker MA, Bonacci JA, Ganio MS, McDermott BP. Effects of Mild Hypohydration on Cooling During Cold Water Immersion Following Exertional Hyperthermia. ACSM, 2015

12. Smith CR, **Butts CL**, Adams JD, Bonacci JA, Ganio MS, Moyen NE, Tucker MA, McDermott BP. Effect of a Cooling Vest on Perceptual, Physiological, and Performance Measures Following Exercise in the Heat. ACSM, 2015

11. Tucker MA, Moyen NE, Burchfield JM, Treece K, **Butts CL**, McDermott BP, Kavouras SA, Ganio MS. Effect of Passive Heat Stress and Hypohydration on Arterial Compliance in Females. ACSM 2015

10. Burchfield JM, Elbin RJ, McDermott BP, Moyen NE, **Butts CL**, Treece K, Tucker MA, Ganio MS. Effects of Mild Dehydration and Hyperthermia on Cognition and Mental Task Load in Females. ACSM, 2015

9. Moyen NE, Burchfield JM, **Butts CL**, Glenn JM, Tucker MA, Treece K, McDermott BP, Ganio MS. Effects of Mild Dehydration and Passive Heat-stress on Sudomotor Function in Obese and Non-Obese Females. ACSM, 2015

8. **Butts CL**, McDermott BP, Ridings CB, Demartini, EM, Grant J, Moyen NE, Burchfield JM, Ganio MS, Kavouras SA. Effects of Breathing Cool Air During Exercise in the Heat on Thermoregulation, Perception and Cycling Performance.

11 (2), 7. (2014)

7. Smith CR, **Butts CL**, Adams JD, Bonacci JA, Ganio MS, Moyen NE, Tucker MA, McDermott BP. Effect of a Cooling Vest on Perceptual, Physiological, and Performance Measures Following Exercise in the Heat.

11 (2), 55. (2014)

6. Burchfield JM, Ganio MS, McDermott BP, Moyen NE, **Butts CL**, Treece K, Tucker MA. Additive Effects of Mild Dehydration and Hyperthermia on Mood in Females.

11 (2), 6. (2014)

5. **Butts CL**, Adamus H, Keller DM, McDonough P. The Effects of Creatine Loading on Oxygen Uptake Kinetics During Heavy Exercise. FASEB, 2013

4. Allen DR, **Butts CL**, Krnjajic D, Keller DM, McDonough P. The Effects of Creatine Loading on Oxygen Uptake Kinetics During Heavy Exercise. FASEB, 2013





Role: Lead-Doctoral Student

American College of Sports Medicine Foundation Grant - Effects of Hypohydration and Muscle Damage on Biomarkers of Acute Kidney Injury Following Exertional Hyperthermia. (2017) (Budget: \$4,979,

rebreathing), EasyElectrolytes ion selective electrode analyzer, Enzyme linked immunosorbent assays, Colorimetric assays

- ***Physiological Techniques & Assessment:***
  - Perfusion suits (whole body heating), Rectal thermometry (Physitemp), Gastrointestinal temperature (HQ ingestible thermistor), Skin thermometry (iButtons & Physitemp), Laser Doppler flowmetry, Local sweat rate capsule, 3M sweat patch, Sweat gland activation, Whole body sweat rate, Microdialysis, Linear array Doppler ultrasound (GE Logiq E), ParvoMedics metabolic system, Tango+ automated blood pressure, Polar heart rate monitor, Neck Pressure/Neck Suction hardware, Finapres finometer, Lower body negative pressure, Quinton Q-Stress, Cold water immersion, Can-Trol environmental chamber, Lode cycle ergometer, Velotron cycle ergometer, Monark cycle ergometer, DXA, Biodex isokinetic dynamometer, Hydrostatic weighing
  
- ***Computer Software:***
  - AcqKnowledge, LabChart 7, CardioCard, BioPack, PowerLab SigmaPlot

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