

John L. Dobson, Ph.D.  
Florida GYM P.O. Box 118205  
Gainesville, FL 32611  
Telephone: Home - (352) 332-1256  
Office - (352) 392-0584 ext 1332  
E-mail: [jdobson@hhp.ufl.edu](mailto:jdobson@hhp.ufl.edu)

## **Educational Background**

- 1998 – 2001 Auburn University  
Doctor of Philosophy in Exercise Physiology  
Department of Health and Human Performance  
Dissertation: The Effect of Rhythmic Tetanic Skeletal Muscle Contractions  
on Peak Muscle Perfusion
- 1996 – 1998 Auburn University  
Master of Education in Exercise Science  
Exercise Physiology concentration
- 1992 – 1996 Gettysburg College  
Bachelor of Arts in Education  
Exercise Science major

## **Teaching Experience**

- 2008-Present University of Florida  
Senior Lecturer  
Department of Applied Physiology and Kinesiology  
Department Head: Mike Delp  
Teaching Responsibilities  
APK 2105 - Applied Human Physiology  
APK 2135 – Integrated Fitness Programming  
APK 3110 - Exercise Physiology  
APK 4112 – Advanced Exercise Physiology  
APK 4120 – Clinical Exercise Physiology
- 2005-2007 University of Florida  
Lecturer  
Department of Applied Physiology and Kinesiology  
Department Head: Steve Dodd  
Teaching Responsibilities  
APK 2105 - Applied Human Physiology  
APK 3110 - Physiology of Exercise  
APK 3115 - Strength and Conditioning  
PET 3771 - Personal Fitness Teaching Methods  
APK 4112 – Advanced Exercise Physiology  
APK 4125 - Fitness Assessment and Exercise Prescription  
APK 6116 – Physiology of Exercise and Sport  
APK 7105 - Environmental Stress Physiology

2003-2004 College of Charleston  
Assistant Professor  
Department of Physical Education and Health  
Department Head: Tom Langley  
Teaching Responsibilities  
PEHD 210 Concepts in Fitness Assessment and Exercise Prescription  
PEHD 340 Exercise Physiology and Lab

2001 - 2003 University of Florida  
Visiting Assistant Professor  
Exercise and Sport Science Department  
Department Head: Robert Singer (2001-2002) Scott Powers (2002-2003)  
Teaching Responsibilities  
PET 2350 - Applied Human Physiology  
PET 3351 - Physiology of Exercise  
PET 3771 - Personal Fitness Teaching Methods

1999 - 2000 Auburn University  
Graduate Assistant Teacher  
Supervisor: Dr. Dennis Wilson  
Teaching Responsibilities  
HHP 405 - Physiology of Exercise  
PHED 101 – Physical Fitness and Health Appraisal  
HHP 150 – Intermediate swimming

#### **Awards:**

Teacher of the Year in the College of Health and Human Performance, 2007-2008.

#### **Publications and Manuscripts:**

Dobson, J.L. Evaluation of a Virtual Physiology of Exercise Laboratory Program . *Advances in Physiology Education* In press

Dobson, J.L. The use of formative online quizzes to enhance class preparation and scores on summative exams. *Advances in Physiology Education* 32: 297-302, 2008.

Dobson, J.L. and Gladden, L.B. The effect of rhythmic skeletal muscle contractions on peak muscle perfusion. *Journal of Applied Physiology* 2003 94: 11-19.

Aschenbach, W.G., Brower, G.L., Talmadge, R.J., Dobson, J.L. and Gladden, L.B. Effect of myocardial volume overload on lactate transport in skeletal muscle sarcolemmal vesicles. *American Journal of Physiology* 2001 281: R176-R186.

#### **Presentations At Refereed Conferences:**

Harris, J.E., Grassi, B., Rossiter, H.B., Hogan, M.C., Goodwin, M.L., Dobson, J.L. and Gladden, L.B. (2007, May). *Skeletal muscle function with acute creatine kinase inhibition*. Presented at the annual Experimental Biology meeting.

Grassi, B., Hogan, M.C., Rossiter, H.B., Howlett, R.A., Harris, J.E., Goodwin, M.L., Dobson, J.L. and Gladden, L.B. (2006, June) *Effects of acute creatine kinase inhibition on skeletal muscle O<sub>2</sub> uptake kinetics*. Presented at the annual meeting of the American College of Sports Medicine.

Gladden, L.B., Hogan, M.C., Kelley, K.M., Dobson, J.L. and Grassi, B. (2002, June). *Metabolic response time of canine skeletal muscle*. Presented at the annual meeting of The American College of Sports Medicine.

Dobson, J.L. and Gladden, L.B. (2002, June) *The Effect of Rhythmic Tetanic Skeletal Muscle Contractions On Peak Muscle Perfusion*. Presented at the annual meeting of the American College of Sports Medicine.

Dobson, J.L. and Gladden, L.B. (2000, January). *Relationship Between Plasma and Whole Blood Lactate Concentrations In Various Exercise Protocols*. Presented at the annual meeting of the Southeast American College of Sports Medicine.

### **Non-refereed University of Florida Research Presentations:**

*Does Lactate Prevent Metabolic Acidosis?* Presented at the Center For Exercise and Sport Sciences Fall Seminar Series. (2007, September).

*Regulation of Skeletal Muscle Blood Flow During Exercise*. Presented at the Center For Exercise and Sport Sciences Fall Seminar Series. (2002, September).

### **Internal Grants:**

*Virtual Exercise Physiology Laboratory Activities*. Funded for 2007-2008 academic year. Principal investigator. University of Florida Faculty Development Technology Grant (\$10,000 funded). A copy of this grant proposal may be found in section # 32 below.

*Metabolic Gas Analysis System*. Funded for the 2004-2005 academic year at the College of Charleston. Principal investigator. College of Charleston's Office of the Provost Equipment Grant (\$25,000 funded).

### **Membership in Professional Organizations**

American College of Sports Medicine, 1999-present.

Southeast American College of Sports Medicine, 1999-present.

### **Service and Committee Work:**

- Member, University of Florida LBGT Committee, 2006-present.
- Member, Ad Hoc University of Florida Course Management Selection Committee, 2008-2009.
- University of Florida Minority Mentor, 2008-2009.

- Member, College of Charleston Curriculum Committee, 2004-2005.

### **College/Department Service**

- Chair, College of Health and Human Performance Curriculum Committee, 2005-present.
- Chair, Department of Applied Physiology and Kinesiology Curriculum Committee, 2005-present.
- Coordinator, APK 2105 Applied Human Physiology courses, 2005-present. This position involves:  
a) identifying, managing and evaluating all class teaching assistants, b) ordering material and supplies for the physiology lab, c) updating and maintaining the course materials used in all lecture sections of the class and d) orienting and coordinating the other professors that teach the course.
- Member, Ad Hoc College of Health and Human Performance Committee on Placement of Advising, 2006-2007.

- Member, Ad Hoc Department of Applied Physiology and Kinesiology Faculty Governance Committee, 2006-2007.
- Author and Coordinator, APK 2105 Applied Human Physiology lab changes, 2006-2007. Created and implemented significant changes to all of the lab components of the class, including: expanded the content and duration of the labs by 50%, incorporated virtual laboratory programs and developed an extensive series of online assessments to test the student's lab progress.
- Author, Department of Applied Physiology and Kinesiology's Student Learning Outcomes (SLOs), as well as the questions used to assess those SLOs on all internship evaluation forms, 2005-2006. These outcomes were requested by the state legislature and are listed in the University's online Undergraduate Catalogue.
- Member, Ad Hoc Department of Applied Physiology and Kinesiology Faculty Search Committee: Lecturer of Applied Physiology and Kinesiology Department, 2005-2006.
- Co-Author, Department of Applied Physiology and Kinesiology's new course codes, 2005-2006.
- Member, College of Charleston's Department of Physical Education and Health Curriculum Committee, 2003-2005.
- Author, College of Charleston's Office of The Provost grant that completely funded the purchase of a new Parvo Medics' TrueOne<sup>®</sup> 2400 metabolic gas analysis system for the Department of Physical Education and Health, 2005.
- Author, extensive revisions to the College of Charleston's Exercise Science Concentration curriculum, including the development of two new senior-level courses, 2004-2005.
- Member, College of Charleston' School of Education Workload Committee, 2003-2004.
- Member, Department of Exercise and Sport Science Curriculum Committee, 2001-2003.

2005-Present    University of Florida  
Service

Created and implemented extensive updates/changes to the lab course associated with APK 2105 Applied Human Physiology.  
Wrote the APK Department's official Student Learning Outcomes and developed the assessment tool used to measure those outcomes.  
Co-wrote the new APK course code system.

Committee Work

Ad hoc college committee to determine the placement of advising.  
Chair of the APK Departmental Curriculum Committee.  
Health and Human Performance College Curriculum Committee

2003-2004    College of Charleston

### Service

Primary author of substantial changes to department's ESS curriculum.

Primary author of three new courses:

PEHD 201 Introduction to Exercise Science

PEHD 439 Advanced Topics in Exercise Physiology

PEHD 498 Capstone in Exercise Science

### Committee Work

Physical Education and Health Department Curriculum Committee

School of Education Workload Committee

College of Charleston Curriculum Committee

2001-2002 University of Florida Departmental Curriculum Committee

### Primary References

- 1) Michael Delp, Ph.D.  
Chairman of the Department of Applied Physiology and Kinesiology  
Room 25 Florida Gym, P.O. Box 118205  
Gainesville, FL 32611  
(352) 392 - 9575 ext. 1338  
[mdelp@hnp.ufl.edu](mailto:mdelp@hnp.ufl.edu)
- 2) Tom Langley, Ph.D.  
Chairman of the Physical Education and Health Department  
26 George Street  
Charleston, SC 29401  
(843) 953-8249  
[langleyt@cofc.edu](mailto:langleyt@cofc.edu)
- 3) L. Bruce Gladden, Ph.D.  
Dissertation advisor  
Department of Health and Human Performance  
2050 Memorial Coliseum  
Auburn University, AL 36849  
(334) 844 - 1473  
[gladdlb@auburn.edu](mailto:gladdlb@auburn.edu)
- 4) Scott Powers, Ph.D.  
Former chairman of the Department of Exercise and Sports Science  
Room 25 Florida Gym, P.O. Box 118205  
Gainesville, FL 32611  
(352) 392 - 9575 ext. 1343  
[spowers@hnp.ufl.edu](mailto:spowers@hnp.ufl.edu)