

# P215 Laboratory Information

## Fall 2009

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**Lab Director** Jw Ramsey (ramseyj@indiana.edu)  
Classroom Office Building 207  
855 – 4774 (or 855 – 0616, Medical Sciences Office, Jordan 104)

**Assistant Lab Director** Andrew Notebaert, Ph.D. (anotebae@iupui.edu)  
010 Jordan Hall  
855 – 3788 (or 855 – 0616, Medical Sciences Office, Jordan 104)

**Associate Instructors** Ritika Bhawal, M.D. (rbhawal@indiana.edu)  
James McKenzie, M.S. (mckenzm@indiana.edu)

**Undergraduate Teaching Assistants** Jillian Badell  
Chelsea Bird  
Kayla Dawson  
Danielle DeGeeter  
Monica Idstein  
Anna Thomas

**Laboratory Location** Classroom Office Building 120

**Lab Guide** *P215 Basic Human Physiology  
Laboratory Guide, Fall 2009*

### General Information

**Attendance:** Attendance at the lab sessions and true participation in them gives students a chance to reinforce, apply and extend the physiology topics covered in lecture. Although most students won't be affected, it should be noted that coming late, leaving early and a choosing not to participate in the lab sessions will be detrimental to any student's best interests in the course. It's hoped that the accompanying loss of lab points will bring home the seriousness with which such choices are viewed.

**Laboratory Work Assignments:** Most laboratory exercises have an associated work assignment. There are a total of 12 lab work assignments given throughout the semester.

**Quizzes and Exams:** Beginning with the third lab, a short quiz is given at the beginning of the lab session. Several important elements from the labs, including basic ideas, procedures and data interpretation, are covered in the four course exams.

**Laboratory Paper:** A five-page paper with suitable references is required for the lab portion of the course. **The focus of the paper must be some aspect of physiology.** Two lab sessions (Lab #1 and Lab # 5) focus on the lab paper and on the research and resources needed for putting it together. The paper is due during the lab periods from November 9th to November 12th. It is worth 100 points. All lab papers, both draft and final versions, must be original work for this course and must be submitted to Turnitin.com. Turnitin.com is a tool for helping students write an original paper using information gained from a variety of sources while giving proper attribution for the sources of information. Papers with a Turnitin.com "similarity index" above 20% will receive zero points and cannot be resubmitted.

## **P215 Fall 2009 Laboratory Schedule**

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<b>August 31 - September 3</b>	<b>Lab 1</b>	<b>Introduction and Lab Paper</b>
<b>September 7 - 10</b>	<b>Lab 2</b>	<b>Enzymes</b>
<b>September 14 - 17</b>	<b>Lab 3</b>	<b>Energy Expenditure</b>
<b>September 21 - 24</b>	<b>Lab 4</b>	<b>Solutions, Osmosis, Filtration, Diffusion</b>

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**September 25**                      **Exam 1**

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<b>September 28 - October 1</b>	<b>Lab 5</b>	<b>Research and Resources</b>
<b>October 5 - 8</b>	<b>Lab 6</b>	<b>Brain and Neural Activity</b>
<b>October 12 - 15</b>	<b>Lab 7</b>	<b>Sensory and Reflex Physiology</b>
<b>October 19 - 22</b>	<b>Lab 8</b>	<b>Skeletal Muscle</b>

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**October 23**                      **Exam 2**

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<b>October 26 - 29</b>	<b>Lab 9</b>	<b>Electrocardiogram (ECG)</b>
<b>November 2 - 5</b>	<b>Lab 10</b>	<b>Blood Pressure</b>
<b>November 9 - 12</b>	<b>Lab 11</b>	<b>Blood *** Lab Papers due</b>
<b>November 16 - 19</b>	<b>Lab 12</b>	<b>Renal Function and Homeostasis</b>

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**November 20**                      **Exam 3**

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<b>November 30 - December 3</b>	<b>Lab 13</b>	<b>Respiratory Physiology</b>
<b>December 7 - 10</b>	<b>Lab 14</b>	<b>Last Quiz and Checkout</b>

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**December 18**                      **Exam 4**

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