Class meetings:  
PSYC 3020.01: Mondays & Wednesdays 10 – 10:50 am  
PSYC 3020.02: Mondays & Wednesdays 11 – 11:50 am

Lab meetings: Fridays (times will vary based on lab section)

Professor: Lisa M. Bauer, Ph.D.  
Email: bauerlm@missouri.edu  
Telephone: 882 – 3675  
Office: 215 McAlester Hall  
Office Hours: Please feel free to email me to schedule an appointment. I will be happy to meet with you at a time (Monday through Friday) that is convenient for both of us.

Teaching Assistants:  

Prerequisites  
✓ PSYCH 1000  
✓ C or better in PSYCH 3010  
✓ C or better in STAT 1300 or equivalent

Course Objectives  
In this course, you will learn how to (1) generate descriptions of measurements and analyses of psychological data and (2) make decisions or inferences based upon those data.

Course Structure  
Class meetings (Mondays & Wednesdays) will consist of lectures and discussions designed to give you a conceptual understanding of statistics. Lab meetings (Fridays) are intended to help you understand the course material and become more comfortable with statistics by actually DOING computations and statistical analyses on a computer.

Required Textbook  

Recommended Textbook  

Other Course Material Information  
It will be useful in class to have a calculator that can add, subtract, divide, multiply, and compute squares and square roots; a complex calculator is not necessary. No cell phone calculators are allowed. You should bring your calculator to every class period.

The following website will also be helpful at various points throughout the semester:  
http://faculty.vassar.edu/lowry/VassarStats.html
Classroom Requirements
Your attendance is strongly encouraged. Regardless of attendance, you are responsible for all announcements made, policies set, and materials covered in class. Please note that the exams will include material covered in both the text and material covered in class (some of which will not be in your text). An absence does not mean that you can turn in any assignments late.

You are expected to respect others. Disrespectful behavior of any kind (e.g., text messaging, searching the web, talking to friends during class, sleeping in class) will not be tolerated and will lead to the lowering of your course grade. Academic dishonesty (e.g., cheating, plagiarism) of any kind will not be tolerated.

I encourage you to actively participate in class and to ask relevant questions.

Assignments (100 possible points)
Assignments will consist of (1) short answer problems calculated by hand and (2) computations and analyses to be conducted using SPSS. If there are concepts from the lectures or readings that I want you to pay particularly close attention to (e.g., will help you on the exams and/or future classes), then the assignments may also include multiple-choice or short-answer questions covering that material.

These assignments will occur on a weekly basis, for the most part, and will be due on the assigned due dates by midnight. These due dates should give you sufficient time to work on the assignment on your own or in lab. All assignments will be available and can be turned in on the course website: http://bblearn.missouri.edu.

There will be eleven (11) assignments throughout the semester. Each assignment will be worth 10 points, and will primarily be graded for an understanding of the material. Only ten (10) of the assignments will be counted toward your grade, for a total of 100 possible points corresponding to the assignments.

Assignments turned in late will ONLY be accepted by midnight of the day after the due date. Such late assignments will be subject to a 3 point reduction in grade. Assignments turned in after this late grace period will not be accepted. This is to ensure that the solutions to the assignment can be distributed to the class in a timely manner.

Exams (300 possible points)
There will be three (3) interim exams throughout the course of the semester. The exams may consist of multiple-choice and short-answer questions, along with some statistical problems to be completed on the computer.

There will also be a comprehensive final exam during finals week. The final exam will take place in our regular classroom, unless otherwise specified.

Each exam, including the final, will be worth 100 possible points. Only your top three exam grades will be counted toward your grade for the course. So, if you’re happy with your grades on the first three exams, you might choose to skip the final exam, without it affecting your course grade. Alternatively, if you miss or perform poorly on one of the exams, rest assured that it will not be counted toward your grade for the course, assuming that you’ve completed and scored better on the remaining three exams. Due to this flexibility, no make-up exams will be administered.
Grading Summary
Assignments = 100 points (10 points each × best 10 of 11 grades)
Exams = 300 points (100 points each × best 3 of 4 grades)
TOTAL = 400 points

Grading Rubric
Of the 400 possible points available during the semester, your point total will earn you a grade as follows:
A+ = 392+
B+ = 348+
C+ = 308+
D+ = 268+
F = <240
A = 372+
B = 332+
C = 292+
D = 252+
A- = 360+
B- = 320+
C- = 280+
D- = 240+

Qualifiers
In the event that I feel any assignments or exams were too difficult, the grades will potentially be curved in favor of the entire class (by giving everyone extra points). Assignment and exam grades will never be curved against you. I reserve the right to change the nature, number, and weights of the course requirements. Any changes will be announced in class and posted on Blackboard before they take effect.

Tentative Course Schedule
Below is the tentative schedule for topics that will be covered in class. In order to make sure you understand the material, please read the readings ahead of time.
GW = Gravetter & Wallnau
C = Cronk (optional)

<table>
<thead>
<tr>
<th>Week</th>
<th>Day</th>
<th>Date</th>
<th>Topic</th>
<th>Reading</th>
<th>Assignment DUE (by midnight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M</td>
<td>1/21</td>
<td>Classes do not meet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>1/23</td>
<td>Introduction to Statistics</td>
<td>GW 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>1/25</td>
<td>LAB: Introduction to SPSS</td>
<td>C 1 &amp; 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>M</td>
<td>1/28</td>
<td>Introduction to Statistics</td>
<td>GW 1</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>1/30</td>
<td>Frequency Distributions</td>
<td>GW 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>2/1</td>
<td>LAB: Frequency Plots</td>
<td>C 3 &amp; 4</td>
<td>Assign. 1 DUE</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>M</td>
<td>2/4</td>
<td>Frequency Distributions &amp; Central Tendency</td>
<td>GW 2 &amp; 3</td>
<td>Assign. 2 DUE</td>
</tr>
<tr>
<td>W</td>
<td>2/6</td>
<td>Central Tendency &amp; Variability</td>
<td>GW 3</td>
<td>Assign. 2 DUE</td>
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<tr>
<td>F</td>
<td>2/8</td>
<td>LAB: Central Tendency</td>
<td>C 3</td>
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<tr>
<td>4</td>
<td>M</td>
<td>2/11</td>
<td>Variability</td>
<td>GW 4</td>
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<tr>
<td>W</td>
<td>2/13</td>
<td>Variability &amp; Standardization</td>
<td>GW 4 &amp; 5</td>
<td>Assign. 3 DUE</td>
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<tr>
<td>F</td>
<td>2/15</td>
<td>LAB: Variability</td>
<td>C 3</td>
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<tr>
<td>5</td>
<td>M</td>
<td>2/18</td>
<td>Standardization</td>
<td>GW 5</td>
<td>Assign. 4 DUE</td>
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<tr>
<td>W</td>
<td>2/20</td>
<td>Standardization &amp; Probability</td>
<td>GW 6</td>
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<tr>
<td>F</td>
<td>2/22</td>
<td>LAB: Standardization</td>
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<tr>
<td>6</td>
<td>M</td>
<td>2/25</td>
<td>Probability &amp; Review</td>
<td>GW 6</td>
<td>Assign. 5 DUE</td>
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<tr>
<td>W</td>
<td>2/27</td>
<td>EXAM 1</td>
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<tr>
<td>F</td>
<td>3/1</td>
<td>EXAM 1 (in Lab)</td>
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<td>7</td>
<td>M</td>
<td>3/4</td>
<td>The Distribution of Sample Means</td>
<td>GW 7</td>
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<tr>
<td>W</td>
<td>3/6</td>
<td>Introduction to Hypothesis Testing</td>
<td>GW 8</td>
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<tr>
<td>F</td>
<td>3/8</td>
<td>Introduction to Hypothesis Testing &amp; Introduction to the t-statistic</td>
<td>GW 8 &amp; 9</td>
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<tr>
<td>8</td>
<td>M</td>
<td>3/11</td>
<td>Introduction to the t-statistic</td>
<td>GW 9</td>
<td>Assign. 6 DUE</td>
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I will do my best to present the material as clearly as possible. If anything is unclear, please ask me to clarify the information. I will be available after class and during my office hours (and am more than willing to make a separate appointment with you) to answer any questions that you may have.

**Please Note:** This syllabus is subject to change. Any changes will be announced in class and posted on Blackboard. Depending on how long it takes to discuss each topic, changes may or may not be made to this tentative schedule.

**Other Policies and Resources**

**Academic Honesty**
Academic honesty is fundamental to the activities and principles of the University. All members of the academic community must be confident that each person’s work has been responsibly and honorably acquired, developed, and presented. Any effort to gain an advantage not given to all students is dishonest whether or not the effort is successful. The academic community regards academic dishonesty as an extremely serious matter. Sanctions for such a breach may include academic sanctions from the instructor, including failing the course for any violation, to disciplinary sanctions ranging from probation to expulsion. When in doubt about plagiarism, paraphrasing, quoting or collaboration, please ask me.
For Students with Disabilities
If you anticipate barriers related to the format or requirements of this course, if you have emergency medical information to share with me, or if you need to make arrangements in case the building must be evacuated, please let me know as soon as possible.
If disability related accommodations are necessary (for example, a note taker, extended time on exams, captioning), please register with the Office of Disability Services (http://disabilityservices.missouri.edu), S5 Memorial Union, 882-4696, and then notify me of your eligibility for reasonable accommodations.
For other MU resources for students with disabilities, click on "Disability Resources" on the MU homepage.

Notice of Nondiscrimination
The University of Missouri System is an Equal Opportunity/ Affirmative Action institution and is nondiscriminatory relative to race, religion, color, national origin, sex, sexual orientation, age, disability or status as a Vietnam-era veteran. Any person having inquiries concerning the University of Missouri-Columbia's compliance with implementing Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Americans With Disabilities Act of 1990, or other civil rights laws should contact the Assistant Vice Chancellor, Human Resource Services, University of Missouri-Columbia, 130 Heinkel Building, Columbia, Mo. 65211, (573) 882-4256, or the Assistant Secretary for Civil Rights, U.S. Department of Education. For more information, see: http://diversity.missouri.edu/resources/equity.html.

Intellectual Pluralism
The University community welcomes intellectual diversity and respects student rights. Students who have questions or concerns regarding the atmosphere in this class (including respect for diverse opinions) may contact the Departmental Chair or Divisional Director; the Director of the Office of Students Rights and Responsibilities (http://osrr.missouri.edu/); or the MU Equity Office (http://equity.missouri.edu/), or by email at equity@missouri.edu.

Electronic/Digital Recording
My lectures are protected by state common law and federal copyright law. Course materials prepared by the instructor, together with the content of all lectures and review sessions presented by the instructor, are the property of the instructor. Video and audio recording of lectures and review sessions without the consent of the instructor is prohibited. University of Missouri System Executive Order No. 38 lays out principles regarding the sanctity of classroom discussions at the university. The policy is described fully in Section 200.015 of the Collected Rules and Regulations. In this class, students may not make audio or video recordings of course activity, except students permitted to record as an accommodation under Section 240.040 of the Collected Rules. All other students who record and/or distribute audio or video recordings of class activity are subject to discipline in accordance with provisions of Section 200.020 of the Collected Rules and Regulations of the University of Missouri pertaining to student conduct matters. Those students who are permitted to record are not permitted to redistribute audio or video recordings of statements or comments from the course to individuals who are not students in the course without the express permission of the faculty member and of any students who are recorded. Students found to have violated this policy are subject to discipline in accordance with provisions of Section 200.020 of the Collected Rules and Regulations of the University of Missouri pertaining to student conduct matters.