Attention!

This is a representative syllabus.

The syllabus for the course when you enroll may be different.

Use the syllabus provided by your instructor for the most up-to-date information. Please refer to your instructor for more information for the specific requirements for a given semester.

Feel free to contact the Psychology Advising Office for any questions regarding psychology courses either by email (psychadvising@osu.edu) or phone (614.292.5750).

Thank you!
Psychology 3321H

Quantitative and Statistical Methods (Honors)

Web site: This course will use Carmen. Electronic communications via Carmen use your OSU handle (e.g., “smith.9999@osu.edu”). Make sure you check your OSU email on a regular basis.

This class will not use a regular textbook. Links to all readings will be provided on Carmen. Some excellent resources include:


Software: 1. R (free download for all platforms). 
2. JASP, an open-source alternative to SPSS that incorporates some Bayesian procedures. 
3. Kahoot, an in-class response system. Download the app on your smartphone or register through your browser on your laptop.

Students with Disabilities

This syllabus is available in alternative formats upon request. In addition, if you may need an accommodation based on the impact of a disability, you should contact me immediately. Students with special needs should contact the Office of Disability Services (ODS) at 292-3307, TDD 292-0901, for certification if they have not already done so. Upon such certification, the ODS and I will make every effort to accommodate special needs. However, to ensure that evaluation of student performance in the course is conducted in a manner that is fair to all students, special accommodations will not be granted in the absence of ODS certification.
Sexual Misconduct and/or Relationship Violence

The Ohio State University is bound by Title IX, a federal law enacted in 1972. Title IX prohibits sex discrimination and recognizes that such discrimination includes sexual misconduct: harassment, domestic and dating violence, sexual assault, and stalking. Under this law, sexual misconduct is a civil rights offense, and perpetrators will be held accountable under the law in the same way as others who commit civil rights abuses against people who are protected because of their race, religion, national origin, sexual orientation, disability status, etc. Victims of sexual misconduct and/or violence are entitled to the same kinds of accommodations and support services as victims of other kinds of civil rights abuses.

As an instructor, one of my responsibilities is to help create a safe learning environment on our campus. As a professor of the Ohio State University, I also have a mandatory reporting responsibility. This means that I am required to share information regarding sexual misconduct or other crimes that may have occurred either on or off of the OSU campus with the University’s Office of Human Resources. If you or someone you know has been sexually harassed or assaulted, you may receive confidential counseling from the Office of Student Life’s Counseling and Consultation Service at 614-292-5766. You may also contact the Sexual Assault Response Network of Central Ohio (SARNCO) at 614-267-7020 (24/7 helpline). Other resources, confidential and non-confidential, may be found at the University’s Title IX Coordinator’s office or by contacting the Ohio State Title IX Coordinator at titleix@osu.edu.

Academic Misconduct

All students at the Ohio State University are bound by the Code of Student Conduct (see http://studentaffairs.osu.edu/resource_csc.asp) and are responsible for familiarizing themselves with the Code. In particular, Rule 3335-23-04 (Prohibited conduct), Section A, defines academic misconduct. Suspected violations of the code in this class will be dealt with according to the procedures detailed in that code. Any alleged cases of misconduct will be referred to the Committee on Academic Misconduct.

Specifically, the use of unauthorized materials during exams, the use of unauthorized assistance on a graded assignment, unauthorized collaboration such as working together on homeworks or sharing files, falsification of documents, serving as or enlisting the assistance of a substitute for an exam or graded assignment, or violation of course rules as contained in this syllabus, in addition to the other prohibited conducts described in Rule 3335-23-04 Section A, constitute academic misconduct.

If you have a question about whether or not an activity is or could be perceived to be academic misconduct, for this or any other class, please ask me.

All graded assignments in this course should be completed by you alone and not by or in collaboration with anyone else.

Is it misconduct?

1. If you have used your mouse to highlight text from a document/web site/etc. that you did not write, and moved/copied that text into a document of your own, it is academic misconduct. Take notes (without cutting and pasting) on the highlighted text in a separate document, then write the ideas in your own words in the document you intend to present as your own.

2. If you email files to another classmate, copy your files onto your classmate’s thumb drive, or similarly receive files from another classmate, it is academic misconduct. Studying together, discussing
material together, asking each other about specific problems and how to solve them is encouraged. Under no circumstances should these encouraged activities result in shared files. Guard your work! Do not share your computers or drives without making sure your work is secure.

3. Think about your assignments to be turned in using the same logic as papers to be submitted for publications. If your assignment should really acknowledge a co-author or two, you have committed academic misconduct.

**Grades**

This course will use the following fixed grading scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>93%</td>
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<tr>
<td>A-</td>
<td>90%</td>
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<tr>
<td>B+</td>
<td>87%</td>
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<tr>
<td>B</td>
<td>83%</td>
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<tr>
<td>B-</td>
<td>80%</td>
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<tr>
<td>C+</td>
<td>77%</td>
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<tr>
<td>C</td>
<td>73%</td>
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<td>C-</td>
<td>70%</td>
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<tr>
<td>D+</td>
<td>67%</td>
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<tr>
<td>D</td>
<td>60%</td>
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Your grade will be based on 4 homework assignments, each assignment worth 10 points for 45% of your grade, 5 quizzes, each worth 10 points for 45% of your grade, and class participation, worth 10% of your grade. Due dates appear on the class schedule. I reserve the right to modify the weights on the quizzes, assignments and class participation as I see appropriate.

**Homework**

Homework includes your daily reading assignment and exercises in the form of homework sets, in addition to other activities that will be given in class. The purpose of homework sets and activities is to give you the opportunity to practice computations and that illustrate theoretical concepts presented in class. Due dates are noted on the course schedule and the Assignments link on Carmen.

**Quizzes**

Quizzes will be closed-book, but you may prepare one 8.5”x11” page of notes to bring to the exam.

Please note carefully:

1. If, because of an emergency, you cannot take a quiz at the scheduled time, you must contact me BEFORE the quiz.
2. There will be NO EXCEPTIONS to (1.) above.
3. I have voice mail (688-4081) so you can leave me a message if I am not at my desk. Any message time-stamped before the beginning of the exam will satisfy Item 1 above. Voicemail is better than email; no chance that it could fail to be delivered or get overlooked.
4. You must provide DOCUMENTATION that verifies the emergency that prevented you from taking the quiz at the scheduled time. No documentation, no makeup.
<table>
<thead>
<tr>
<th>TUESDAY</th>
<th>THURSDAY</th>
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<tbody>
<tr>
<td><strong>Jan 9</strong></td>
<td>1</td>
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<tr>
<td>Introduction and Review</td>
<td>11</td>
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<td>16</td>
<td>3</td>
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<tr>
<td>T-test Review</td>
<td>18</td>
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<td>23</td>
<td>5</td>
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<tr>
<td>Regression Review</td>
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<td>30</td>
<td>7</td>
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<td>T-test as Regression</td>
<td>Feb 1</td>
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<td>6</td>
<td>9</td>
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<td>General Regression</td>
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<td>13</td>
<td>11</td>
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<td>F Distribution</td>
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<td>Repeated Measures</td>
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<td>Introduction to Probability</td>
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<td>Spring Break</td>
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<td>20</td>
<td>21</td>
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<td>Introduction to Bayesian Inference</td>
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<td>27</td>
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<td>The Replication Crisis</td>
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