

**Intermediate Statistics Laboratory (STA 3163L)**  
**Spring 2012 - BU 401 -1 credit hour**  
**Fridays 2:00 p.m.-3:20 p.m.**

**Instructor:** Karin Machluf  
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**Office:** BS 109  
**Office Hours:** M & F 1:00-2:00  
or by appointment

**Prerequisites:** PSY 1012 General Psychology & PSY 3234 Experimental Design and Statistical Inference

**Course Description & Objectives:** This is a hands-on course designed to give students an understanding of the computer implementation of intermediate statistics. Over the course of the semester, students will learn to apply the theories and concepts of intermediate statistics using the computer software program SPSS. The course is intended to complement Experimental Design and Statistical Inference (PSY 3234). Therefore, Experimental Design and Statistical Inference should be taken either prior to or in conjunction with this lab.

**Required Materials:** There are no textbooks required for this course. However, students are required to carry funds on their Owl Card, so that they *may* print their assignments. It is also strongly suggested that students utilize a jump-drive (or USB device) to save their in-class assignments for further reference.

**Course Structure and Requirements:**

*Lectures:* Each class will center on a specific topic outlined in this syllabus. For instance, our second class meeting will consist of a lecture and activities pertaining to “Types of Data.” For the first 50 minutes of each class, I will lecture on the concepts and computer implementation of the topic scheduled for the day.

*Lab Assignments:* Each class, following the lecture, students will work independently on an assignment based on the day’s topic of interest. Each of these assignments is worth 5 points. The assignments will be made available on the Blackboard course website ([bb.fau.edu](http://bb.fau.edu)) under the “Assignments” tab. It will often be the case that a data set is required to complete the assignment. Data sets can also be found on Blackboard, under the tab labeled “Data Sets.” Given the cumulative nature of the course, it is strongly recommended that you complete all assignments, regardless of whether you are present when they are due.

*Exams:* There will be two required exams over the course of the semester (March 2<sup>nd</sup> and April 20<sup>th</sup>). Each of these exams will be worth 25 points. These exams may not be taken late or early under **ANY** circumstances. However, there will be an optional final (by appt.), which may replace *one* low exam score or *one* missed exam.

*Lab Use:* Computers with the appropriate software will be made available to you during class. However, you are strongly encouraged to use other computer labs on campus (CM 142, BU 109, AC 124, LY 201) outside of the class period to study or catch up on material you may have missed. Go to [http://www.fau.edu/irm/labs/open\\_labs/index.php](http://www.fau.edu/irm/labs/open_labs/index.php) to view the available hours of each lab.

**Grading and Evaluation:** Final grades will be based on two exams (25 points each) and 11 in-class assignments (5 points each). Therefore, there are 105 points possible in this course. However, grades will be based on a 100 point scale. Therefore, if you miss one of your in-class assignments, it will not negatively affect your final grade. Letter grades will be assigned as follows:

<i>Points</i>	<i>Letter Grade</i>
90 – 105	A
80 – 89	B

70 – 79	C
60 – 69	D
Below 69	F

**Use of Blackboard:** It is **essential** that you have access to the Blackboard website throughout the course of the semester. Here, you'll find your assignments, relevant data sets, and lecture slides. Grades will also be posted and kept current on the Blackboard course website. When necessary, emails will be sent through Blackboard to your MyFAU email account. For this reason, you are required **to regularly check** your MyFAU email account and the Blackboard site for course updates and important information.

Please plan for tech issues and take steps to avoid them. Computer / tech issues are ultimately your responsibility. As much as some of you will want me to make exceptions (and I may even want to), I cannot do so due to the size of each. Again, I ask that you act professionally, meaning you **taking responsibility for individual actions** as well as meeting all deadlines in the course for assignments and acknowledging the importance of clarity of expression in written and oral communication.

### **Classroom Rules:**

**Students violating the classroom rules will not be permitted to attend class.**

**Professional Conduct:** To foster a more professional learning environment, and to develop habits that lead to success in the business work, all participants must engage in professional behavior, including:

**1. Taking responsibility for individual actions. Checking your grades is your responsibility! E-mailing me about issues and concerns in a timely manner is your responsibility!**

2. Attending each class session, including arriving promptly and leaving at the designated time.

3. Being attentive and an active participant in group activities and class discussions.

**4. Respecting diversity in the classroom and treating everyone involved in the class in a civil manner.**

5. Planning outside activities to avoid conflicts with the activities outlined in the syllabus.

**6. Meeting all deadlines in the course for assignments, projects, etc.**

7. Acknowledging the importance of clarity of expression in written and oral communication.

If you feel that there is an error on my part please let me know in a courteous e-mail or personal communication and I am happy to look into it!

**Civility:** Both in class and in e-mail I ask that you are courteous and respectful in your personal communications with me as well as others in the class. University policy is that "Students are expected to conduct themselves in a manner which exemplifies respect for people of all races, religions, and ethnic groups, and to adhere to one's personal values without unduly imposing them on others. Respect for one's own mind and body, is essential. In interpersonal relationships, students are expected to respect the rights of others, particularly their right to refuse to participate in any activity. Students should take responsibility to serve as leaders in promoting compassion for others and challenging prejudice." I ask that we extend this to all communication we have within the classroom. There is no reason to be uncivil or rude towards each other.

**Honor Code:** Violations of the university honor code will not be tolerated in this course and will be immediately reported according to FAU procedures. That is, while you are all encouraged to study and work together as much as possible throughout the course, e.g., preparing for exams and discussing assignments, all exams and papers are to be completed **individually**. No notes or books may be used during **any** exam and if plagiarism is suspected I reserve the right to utilize Turnitin.com. See the policy at:

[http://www.fau.edu/divdept/honcol/academics\\_honor\\_code.htm](http://www.fau.edu/divdept/honcol/academics_honor_code.htm)

“Cheating” includes, but is not limited to:

- Copying from another student’s test paper
- Using during a test, materials not authorized by the person giving the test
- Failure to comply with instructions given by the person administering the test
- Possession during a test of materials, which are not authorized by the person giving the test, such as class notes or specifically designed “crib notes”. The presence of textbooks constitutes a violation if they have been specifically prohibited by the person administering the test
- Using, buying, stealing, transporting, or soliciting in whole or part the contents of an unadministered test, test key, homework solution, or computer program
- Collaborating with or seeking aid from another student during a test or other assignment without authority;
- Discussing the contents of an examination with another student who will take the examination
- Divulging the contents of an examination, for the purpose of preserving questions for use by another, when the instructor has designated that the examination is not to be removed from the examination room or not to be returned or to be kept by the student
- Substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment
- Paying or offering money or other valuable thing to, or coercing another person to obtain an unadministered test, test key, homework solution, or computer program, or information about an unadministered test, test key, homework solution or computer program
- Falsifying research data, laboratory reports, and/or other academic work offered for credit

**Incomplete policy:** an “Incomplete” is not a substitute for a poor grade and is rarely granted. In accordance with the policy of the College of Science, an “Incomplete” will be given only under the following circumstances: The student is otherwise passing the course (at least a C). If there is an issue prior to the drop period, students will be encouraged to drop the class & take it in a semester in which they are more able to focus on the class. See the university policy at :

[http://www.fau.edu/universitycatalog/pdf\\_revisions/CombAcadPol.pdf](http://www.fau.edu/universitycatalog/pdf_revisions/CombAcadPol.pdf)

**Petitions for late withdrawal:** It is the policy of this course that if you need to petition for a late withdrawal due to extraordinary circumstances that it must be done in a timely manner. This petition is NOT a substitute for a failing grade! This is an option for students that have an extraordinary issue that arises after the late withdrawal deadline! (for example there is a violent crime that occurs after the drop deadline but before the end of the semester that makes it impossible for the student to successfully complete the semester – they could petition for a late withdrawal). If a petition is needed you will need to request it promptly. The request must be made as soon after the event occurs & within 1 week of the end of semester. See policy at:

[http://www.science.fau.edu/student\\_services/new/forms/Instructorpetitions.pdf](http://www.science.fau.edu/student_services/new/forms/Instructorpetitions.pdf)

**Students with Disabilities Policy:** “In compliance with the Americans with Disabilities Act (A.D.A.) - Students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in Boca Raton in SU133 (297-3880), and follow all OSD procedures.” See fill policy at: <http://www.osd.fau.edu/>

**Athletics policy:** If you are an athlete that will be traveling this semester you have 1 week from the start of class to provide me with the letter Keva gave you! If you do not have the letter within 1 week of the start of the semester you must have Keva contact me so that we can make arrangements. Do NOT come to me the day before an exam and say, “I’m traveling”!

**Counseling Center:** Sometimes things happen in a semester, or you get stressed at midterms, and you need to talk to someone. Many students encounter situations that are difficult to handle. Counseling here at FAU is caring, confidential and FREE to currently enrolled students. All of our counselors have had training and experience specific to working with college students. Counseling can help you make sense of your problems and create new ways of looking at situations. The website is: <http://www.fau.edu/counseling/> and the extension on campus is 297-3540.

**Personal Communication Devices:** Personal communication devices such as pagers, beepers, iPods, and cellular telephones are not to be used during class meetings (although they may remain on so long as they are in silent/vibration mode). In extenuating circumstances, however, you may leave the classroom to answer/respond to a page or call but only if you obtain permission ahead of time. Adherence to this policy is expected. If your personal communication device disrupts a class meeting, you will be asked to leave the classroom. **If your personal communication device or an accessory thereof is seen or heard from during an exam (this includes headphones and bluetooth) you will: 1) be asked to forfeit your exam and leave the room immediately and 2) receive an F on the exam. In regards to classroom etiquette: University policy is clear** “In order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular telephones and pagers, are to be disabled in class sessions.”

**List of Class Topics and Important Dates:**

<b>Date:</b>	<b>Lecture Topics</b>	<b>Assignment Due</b>
1/13	Introduction	
1/20	Types of Data	<i>Assignment 1</i>
1/27	Creating and Working with PASW Data Files	<i>Assignment 2</i>
2/3	Descriptive Statistics	<i>Assignment 3</i>
2/10	<b>No Class</b>	
2/17	Distributions and Graphing	<i>Assignment 4</i>
2/24	Graphing cont. and Review	<i>Assignment 5</i>
3/2	<b>Exam 1</b>	
3/9	<b>No Class- SPRING BREAK!</b>	
3/16	Comparing Means with t-tests	<i>Assignment 6 +7</i>
3/23	One-Way Analysis of Variance	<i>Assignment 8</i>
3/30	Two-Way Analysis of Variance	<i>Assignment 9</i>
4/6	Repeated Measures Analysis of Variance	<i>Assignment 10</i>
4/13	Correlations and Regressions	<i>Assignment 11</i>
4/20	<b>Exam 2</b>	

<b>Wednesday, May 2, 2012</b>	<b>OPTIONAL FINAL (1:15pm-3:45pm)</b>	
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\*\* Last day to drop/add is Friday January 13<sup>th</sup> at 5pm.

\*\*\*Last day to withdraw without receiving an "F" in the course is March 2<sup>nd</sup>.