

FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—NEW COURSE PROPOSAL

UGPC APPROVAL _____
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

DEPARTMENT NAME: PSYCHOLOGY COLLEGE OF: Science

RECOMMENDED COURSE IDENTIFICATION:
 PREFIX _PSY_ COURSE NUMBER _6206L_ LAB CODE (L or C) _L_
 (TO OBTAIN A COURSE NUMBER, CONTACT MJENNING@FAU.EDU)
 COMPLETE COURSE TITLE EXPERIMENTAL DESIGN 1 LAB

EFFECTIVE DATE
 (first term course will be offered)
FALL 2012

CREDITS: 1

TEXTBOOK INFORMATION: NO TEXTBOOK REQUIRED

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR ___X___ SATISFACTORY/UNSATISFACTORY _____

COURSE DESCRIPTION, NO MORE THAN 3 LINES:
 The primary goal of this course is to provide students with “hands-on” experience using SPSS, an advanced statistical software package used in the social and biological sciences. Students will gain experience in behavioral data entry, manipulation, analysis, interpretation, and visualization.

PREREQUISITES: NONE

COREQUISITES: NONE

OTHER REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL):

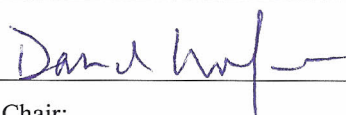
PREREQUISITES, COREQUISITES & REGISTRATION CONTROLS SHOWN ABOVE WILL BE ENFORCED FOR ALL COURSE SECTIONS.

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:
 M.A. OR M.S. IN PSYCHOLOGY, STATISTICS, OR A RELATED DISCIPLINE

Other departments, colleges that might be affected by the new course must be consulted. List entities that have been consulted and attach written comments from each. Dept. of Mathematical Sciences

David Wolgin, wolgindl@fau.edu, 561/297-3366
 Faculty Contact, Email, Complete Phone Number

SIGNATURES **SUPPORTING MATERIALS**

Approved by:
 Department Chair: 
 College Curriculum Chair: _____
 College Dean: _____
 UGPC Chair: _____
 Dean of the Graduate College: _____

Date: 9/22/11

Syllabus—must include all details as shown in the UGPC Guidelines.

 To access Guidelines and download this form, go to:
http://www.fau.edu/graduate/facultystaff/programs_committee/index.php

Written Consent—required from all departments affected.

Email this form and syllabus to diamond@fau.edu one week **before** the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website by committee members prior to the meeting.

<u>Instructor:</u> Dr. Ryan M. Moyer
<u>Office:</u> BS 203
<u>Phone:</u> (561) 297-0650
<u>E-Mail:</u> rmoyer3@fau.edu
<u>Office Hours:</u> Tuesdays 2:00 – 4:00pm, or by appt.

Course Overview: The primary goal of this course is to provide students with “hands-on” experience using SPSS, an advanced statistical software package used in the social and biological sciences. Students will gain experience in behavioral data entry, manipulation, analysis, interpretation, and visualization. By the end of the course, you should be able to quickly and efficiently examine quantitative data and conduct a wide variety of basic statistical procedures in SPSS. You should always consult your APA Manual for proper presentation when writing a paper that requires APA Style. No previous computer or statistics experience is necessary. This is a “stand-alone” course, and does not require any prerequisite or co-requisite courses. Laboratory exercises will be included to illustrate designs, to analyze data, which will follow the topics covered in Dr. Tom Monson’s Experimental Design I course (PSY 6206). It is impossible to touch upon all of statistical issues of interest used by research methodologists, however, we will obtain an overview of the basic statistical techniques used in the field.

Class Materials: This course is self contained. I will provide everything you need, including my lecture notes, class and homework assignments, and handouts. Copies of all class materials, PowerPoint lectures, Word *docx* files, and SPSS data files will be made available to you at your *FAU* login at “MyFAU” under the “My Courses” tab and clicking on “Gateway to course tools and academic info,” clicking on this course “Lab in Experimental Design I,” and then clicking on “Files” on the left side of the screen.

Required Lab Materials: You are required to come to every class with a Flash Drive (USB Drive) to save your data files and your output files. It is your responsibility to print out any required SPSS outputs. You should get in the habit of saving your SPSS data and output files regularly onto a disk that you bring to class or to your M Drive (available when you login at MyFAU), and, when required, print them out either in the Library, your home, or in this classroom.

Suggested Lab Materials: If you would like to purchase a student version of SPSS to complete your assignments on your own computer, you may do so. The student version does not contain all of the options that the professional version includes. Also, you can download an SPSS Demo at <http://www.spss.com/downloads>. This is a one-time, demo for evaluation purposes and is only active for a specific period of time. Having your own copy of SPSS is NOT a requirement and I do not recommend that you go out and spend money on this software.

Course Grading: Course grades will be based on Homework Assignments (40%) and three (3) exams (20% each). Final course grades will be based on the following scale. Please note that your final grade will not be rounded up, i.e. a grade of 92.49 will not be rounded up to a 92.50. This applies to the entire grading scale.

<u>Grade</u>	<u>Percent</u>	<u>Grade</u>	<u>Percent</u>	<u>Grade</u>	<u>Percent</u>
A	92.5 – 100	C+	77.5 – 79.99	D-	60.0 – 62.49
A-	90.0 – 92.49	C	72.5 – 77.49	F	Below 60.0
B+	87.5 – 89.99	C-	70.0 – 72.49		
B	82.5 – 87.49	D+	67.5 – 69.99		
B-	80.0 – 82.49	D	62.5 – 67.49		

Homework Assignments: Homework assignments are a critical part of this course. Homework assignments are due no later than the beginning of the class following the class the work was assigned. Typically, you will be given time at the end of class to work on the homework assignment for that week. Late assignments will be penalized 20% for every week past the original due date. For every assignment that involves an output from SPSS, you must hand in a printout of the SPSS output with your assignment sheets. Printing is not free so you will need to have at least \$10 on your OWL card.

Exams: There will be three in-class exams. Each exam will cover lecture material, your ability to maneuver in SPSS, and your ability to conduct and interpret analyses in SPSS. Each exam is 20% of your final grade. You will be allowed to use **one, hand-written, 8.5 X 11 page of notes** for each exam. There will be no make-up exams without proper documentation (i.e. doctor's note, notice of jury duty, etc.) Eligibility for make-up exams is at the discretion of the instructor.

Students With Disabilities: Students who have a disability are not required to register with the Office of Student Disabilities (OSD), but are encouraged to do so in order to receive academic accommodations from FAU. Due to the confidential nature of a student's disability, specific information cannot be released by the OSD to faculty members unless specifically authorized to do so by the student. In order for students with disabilities to be guaranteed appropriate academic adjustments they must be registered with the OSD. The students must register well in advance of obtaining the needed services. This will ensure that there is adequate time for their needs to be properly evaluated and appropriate services identified. Students with disabilities are obligated to use accommodations responsibly. For additional information, please contact OSD at (561) 297-3880 or visit their office at SU-133 (Student Support Services Building).

Honor Code: Students are encouraged to study and work together as much as possible throughout the course, e.g., preparing for exams and discussing homework assignments. Take the time to look around and make a friend with someone in the class who takes good notes and is likely to attend class regularly. Exchange contact information with that person. With that being said, all exams and homework assignments are to be written individually. Taping lectures is permitted. Violations of the Honor Code will not be tolerated in this course and will be immediately reported according to FAU procedures (6C5-4.001 Honor Code).

Course Outline

(This is an estimated schedule which may be changed as needed throughout the semester)

<u>Date</u>	<u>Topic</u>	<u>Assignments Due</u>
August 24	Basic Statistics & Data Entry	N/A
August 31	Data Screening	N/A
September 7	Composite Variables, Data Manipulation & Coding	Assignment #1
September 14	Tables, Graphs, and Charts	Assignment #2
September 21	EXAM 1	Assignment #3
September 28	Correlation & Regression	N/A
October 5	Reliability	Assignment #4
October 12	Chi-square	Assignment #5
October 19	T-tests: Independent & Dependent Samples	Assignment #6
October 26	One-way ANOVA & Post-hoc tests	Assignment #7
November 2	EXAM 2	Assignment #8
November 9	Two-way & Three-way ANOVA	N/A
November 16	Repeated Measures ANOVA	Assignment #9
November 23	Two-way Repeated Measures & Mixed Design ANOVA	Assignment #10

Important Dates During the Semester:

- August 27 - Last day to drop/add courses without consequences.
- September 6 - Labor Day (No Classes)
- October 15 - Last day to drop or withdraw without receiving an "F".
- November 11 - Veterans Day (No Classes)
- November 25-28 - Thanksgiving Recess (No Classes)
- December 2 - 8 - Final Exam Week
- December 2 - Your Final Exam
- December 10 - Semester Ends
- December 13 - Grades due at Registrar's Office (9:00 a.m.)

Charles Roberts

From: David L Wolgin [wolgindl@fau.edu]
Sent: Tuesday, May 10, 2011 10:57 AM
To: croberts@fau.edu
Subject: Fwd: Re: New Course Proposal
Attachments: Psych Grad Stat Lab Course Proposal.doc; Grad Stats Lab Master Syllabus.doc

Charles,

The Dept. of Psychology is submitting a proposal for a 1 credit graduate level statistics lab course. Attached are the new course proposal form and the syllabus. An email from the Mathematics department supporting the course proposal may be found below. We are sending over hard copies as well.

Dave

>Original-recipient: rfc822;wolgindl@mcmail.fau.edu
>X-AuditID: 835b1433-000000050000027b-49-4dc85f3c07c9
>Date: Mon, 09 May 2011 17:40:11 -0400 (EDT)
>From: Lee C Klingler <klingler@fau.edu>
>To: David L Wolgin <wolgindl@fau.edu>
>Subject: Re: New Course Proposal
>X-Brightmail-Tracker: AAAAAA==

>
>Dave,

>
>The mathematics department has no objection to the 1-credit lab course
>PSY 6930 (Graduate Statistics Lab) proposed by the psychology
>department.

>
>Regards,
>Lee

>
>> Lee,

>> A few years ago, the department voted to require its graduate
>> students to take a 1 credit stats lab course, which basically covers
>> the use of SPSS to analyze psychology data. We've been offering it
>> as a special topics course but have now reached the point where we
>> would like to put it into the catalog as a permanent graduate course.
>> I've attached a copy of the course proposal and would appreciate it
>> if you could provide us with a brief letter of support. If you have
>> any questions or issues with it, please let me know. Thanks.

>> Dave

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