**Course Information**

Course Title: Research Methods in Behavioral Sciences

Course Number and Section: PSY 5015 01

Semester: Spring 2019

Course Meeting Days/Times: Th 7:30-10:15PM

Course Meeting Location: East Campus

Instructor  Name:  Craig Eben

Office Location: East Campus 144

Office Hours:  East Campus 144

Phone:  908.737.5874

**Kean Email:**    ebenc@kean.edu

**Course Description**: Explores experimental and nonexperimental designs including descriptive and inferential statistics. Students will develop research projects, analyze their results, and write reports.

Prerequisites: PSY 3200 or Equivalent

**Course Objectives:**

As outcome of this course, it is expected that each student will have developed minimum entry level skills in:

1. Compute and apply basic descriptive and inferential statistics
2. Master discipline specific software [Statistical Package for the Social Sciences (SPSS)]
3. Describe hypothesis testing and its underlying assumptions
4. Differentiate experimental, quasi-experimental research and non-experimental research
5. Critically evaluate research methodology with regard to internal and external validity
6. Enumerate the assumptions and applications of analysis of variance
7. Distinguish, compute and interpret one way, repeated, mixed and factorial analyses of variance
8. Distinguish, compute and interpret multiple regression and partial correlation

**Instructional Methods**

Methods:

This course is taught using a variety of instructional approaches including lecture, class discussions, small group work, project creation, and electronic discussion (email and website chat room).

**Textbook & Materials**

Textbook Title: None, all content will be provided by the instructor.

ISBN: N/A

Publisher: N/A

**Topics and Assignments**

The below dates are subject to change at the instructor’s discretion.

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Day** | **What we are doing in class today:** | **What is due today:** |
| 1/24 | Thursday | Introduce Class and Syllabus |  |
| 1/31 | Thursday | Introduction to research design |  |
| 2/7 | Thursday | Review of basic statistics |  |
| 2/14 | Thursday | Hypothesis testing |  |
| 2/21 | Thursday | Experimental design |  |
| 2/28 | Thursday | Simple experiment |  |
| 3/7 | Thursday | Repeated measure |  |
| 3/14 | Thursday | **No Class-Spring Break** | **No Class-Spring Break** |
| 3/21 | Thursday | Mixed designs |  |
| 3/28 | Thursday | Analysis of variance | **Project Due** |
| 4/4 | Thursday | Simple and multiple regression |  |
| 4/11 | Thursday | Significance tests |  |
| 4/18 | Thursday | Outliers |  |
| 4/25 | Thursday | Residual analysis |  |
| 5/2 | Thursday | Partial Correlation |  |
| 5/9 | Thursday | **Final Project Due** | **Final Project Due** |

**Important Dates**

Last day to withdraw: April 12, 2019

For important dates, please consult the Academic Calendar via the following link: [http://www.kean.edu/KU/Academic-Calendar-Registrar](http://www.google.com/url?q=http%3A%2F%2Fwww.kean.edu%2FKU%2FAcademic-Calendar-Registrar&sa=D&sntz=1&usg=AFrqEze-uumQh9AEgGhhgLRuoTu4p3ujLA)

**Assessment:**

# *Project (30 pts)-*Students will complete 1 project. Further information will be given in class.

*Final Project (30 pts)-*Students will develop, execute, write an APA report, and present their own project.

*Participation/Class Assignments/Attendance (40 pts)*-Student is actively engaged in class discussions and coursework.

**Policies**

If a student is absent on the day an assignment is due, they must hand it in the following class period they are present. Only excused absences will be considered for make-ups. (Otherwise a grade of “0” will be assigned) There will be no make-up exams/labs. If you arrive after your name is called for attendance, you will be considered absent. With special circumstances, and the instructor’s consent, a student can arrange an alternate date to hand in an assignment. It is the student’s responsibility to seek out the instructor. All material submitted to the instructor must be typed (Or it will not be accepted.) Any questions about the syllabus or course should be addressed to the instructor as soon as they occur. As with all courses, the school policies should be consulted if any information is in question. Please frequently reference my website: craigeben.com. From this website you will have access to important course information/assignments.

**Important University Policies and Information**

Students are responsible to review and understand the *University Academic Integrity Policy* (available at the Center for Academic Success or at [http://www.kean.edu/admin/uploads/pdf/AcademicIntegrityPolicy.pdf](http://www.google.com/url?q=http%3A%2F%2Fwww.kean.edu%2Fadmin%2Fuploads%2Fpdf%2FAcademicIntegrityPolicy.pdf&sa=D&sntz=1&usg=AFrqEzfVP8hfIHHWUZ1-gHHUWPjKTRKaDQ)

Students should review the *Student Code of Conduct*, as it discusses expectations of appropriate conduct in the classroom:  [http://www.kean.edu/KU/Code-of-Conduct](http://www.google.com/url?q=http%3A%2F%2Fwww.kean.edu%2FKU%2FCode-of-Conduct&sa=D&sntz=1&usg=AFrqEzd-aASsSTzxFiyADcoMpMnJ-LrXMg).

Students are strongly encouraged to register for the University's emergency notification system (http://www.kean.edu/campusalert) in order to be informed of campus emergencies, weather notices, and other announcements.

All students must have a valid Kean email account.  For those who do not already have one, forms are available on-line at http://www.kean.edu/offices/ocis/forms; click on E-mail Account Request Form.

**Americans with Disabilities Statement** **& Non-Discrimination Statement:**

Kean University is an affirmative action, equal opportunity institution.  Students with documented disabilities who may need special instructional accommodations or who may need special arrangements in the event of an evacuation should notify the instructor as soon as possible, no later than the second week of the term.  Students may contact the Office of Disability Services in Downs Hall Room 122 or call 908-737-4910 to discuss special needs.

**Title IX**

Title IX of the Education Amendments of 1972 (Title IX) prohibit discrimination on the basis of sex in education programs or activities.  Sexual harassment in any form will not be tolerated at Kean University.  Sexual harassment by students should be reported to the Office of Affirmative Action

Programs, Office of the Vice President for Student Affairs or the Office of Community Standards and Student Conduct immediately.  Information about the University’s Sexual Misconduct Policy may be found at the following:  http://www.kean.edu/policies/sexual-misconduct-policy.

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