

**Course Number:** MPSY 5600

**Course Title:** Statistics for Behavioral Sciences

**Course Description:**

This course is a survey of the statistical techniques commonly used in psychological research including such topics as correlation, linear regression, t-tests, ANOVA and Chi Squares. Introduction to a computer-based statistical software package will be presented given the computation intensive nature of these techniques. 3 credits

**Prerequisites:** None.

**Credit hours:** 3

**Learning Outcomes:**

Upon the successful completion of this course, students will be able to:

1. Demonstrate knowledge of basic statistical concepts typically presented in psychological research.
2. Select and apply appropriate statistical techniques using a computer based statistical package.
3. Interpret results of the statistical techniques presented throughout the course.

**Indiana Tech**  
*College of Professional Studies*  
**Psychology 5600 – Statistics for Behavioral Sciences**  
**Online Syllabus Course Content**

**Instructor Information:**

Please see the Professor Profile tab on the Blackboard site for this course for details.

**Course Schedule:**

Please see Course Schedule in the Course Syllabus tab of the Blackboard site for this course.

**Online Course Policies:**

All of the online courses taken by students are required to follow the policies posted online at <https://online.indianatech.edu/tech-policies/policies/>. Please review the posted policies carefully. If you are unable to abide by the policies listed, please contact the Warrior Information Network (WIN) at 888.832.4742 and request to withdraw from this course.

**Required Texts:**

Cohen, B.H. (2013). *Explaining psychological statistics* (4<sup>th</sup> ed.). Hoboken, NJ: Wiley and Sons, Inc.

**Required Software:**

IBM SPSS Statistics Grad Pack Version 22.0 Software Program – STANDARD Version (or higher).

You are required to purchase this software on your own. Indiana Tech offers discounts on software through their IT Services webpage at <http://its.indianatech.edu/studentdiscounts/>.

In addition, you can search the web for the best discount for graduate students. One website which offers such discounts is studentdiscounts.com. There are others available as well just ensure you purchase the version as listed above.

**Grading Events & Grading Criteria**

**Unless otherwise specified, all assignments must be submitted via Blackboard.**

**GRADING EVENTS**

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Course Preparation Quiz	20 points	20 points
Quizzes	(6 @ 75 points each)	450 points
Homework Assignments	(7 @ 50 points each)	350 points
Total Points		820 points

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## **Grading Events/Course Requirements:**

### **I. Quizzes (450 points)**

There will be six quizzes throughout the course of the session that will be based on readings for the course and lecture materials. The quizzes will generally consist of multiple choice questions and solving problems. Quizzes will have a time limit placed upon them so you will need to plan to set aside the appropriate block of time to complete them. Once a quiz is opened and started in Blackboard you will need to complete it in one setting.

### **II. Homework Assignments (350 points)**

There will be seven weekly homework assignments to assist you in mastering the material of the course. The homework assignments are based on the material being presented in lecture that week. The assignments are typically due at the end of the week and answers to the assignments will be posted for you in order for you to use them to help you study for the weekly quizzes which will typically be during the middle of the following week.

Scores from each component of the class will be added together and then numerical grades will be converted to letter grades based on the table below.

#### GRADING SCALE

90.00 – 100% = A

80.00 – 89.99% = B

70.00 – 79.99% = C

69.99 % or below = F

### **Late Assignments**

All assignments and required online activities are due according to the deadline listed in the course schedule. Granting deadline extension is the course instructor's autonomy.

### **Incompletes**

If you are unable to complete the requirements for this course due to extenuating circumstances, an Incomplete grade (I) may be granted if you meet the general guidelines stated below.

General Guidelines for submitting a course incomplete request:

- More than 50% of the course session has elapsed.
- The student has encountered an unexpected situation that is beyond his or her control.
- The student is ○ in good academic standing -- up-to-date on all of the course assignments and has at least an overall passing grade,

- able to complete all of the remaining coursework within a session (5 weeks for a undergraduate course and 6 weeks for a graduate course) that immediately follows the session the student is currently enrolled, and
- able to provide support documentations to substantiate the need for extra time should a session is not enough to complete the course requirements.

If an Incomplete is granted, the instructor will set a deadline for all work to be completed. **The deadline cannot go past one (1) session.** All incomplete grades are subject to approval by the designated university authority.

### **Course Related Communication:**

Online courses are conducted in an accelerated format. Timely communication is very important. When you receive emails from your classmates or instructor, please respond as soon as you can.

Students are REQUIRED to use their Indiana Tech email account for all course related communication. The most direct, and effective, way to email your course instructor, and classmates, is by using the Send Email function from the Blackboard course site. When you use the Send Email function, you automatically receive a carbon copy of the email you sent. In the event when you need to substantiate your claim that you emailed your classmates or instructor, you can show that carbon copy to the person(s) who requested it.

Please note that Blackboard only permits you to send email, it does not provide you with the check email function. All of the emails your classmates and instructor send to you will be delivered to your Indiana Tech email account. You are strongly encouraged to check your Indiana Tech email account regularly, preferably several times a week, to minimize the likelihood of miscommunication.

The University policy requires each online course instructor to respond to a student's email within 24 hours. Unless there is an extraneous situation that prevents the instructor from following this rule, you can expect to hear from the instructor within 24 hours. If you don't receive a reply within 24 hours, please do not hesitate to follow up with another email or forward the carbon copy of the email you sent to [OnlineSupport@IndianaTech.edu](mailto:OnlineSupport@IndianaTech.edu) with a note "Please help. It's been 24 hours and I have not heard from my instructor" and the University support staff will act on your behalf to contact your course instructor.