UNIVERSITY of WEST Georgia® | College of Education

CEPD 9222 Quantitative Research in a Higher Education Environment Fall 2019

Instructor Information

Instructor: Dr. Shanna E. Smith
Class Meeting Time & Location: Online
Office Location: Ed Annex 249
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Online Hours: By Appointment
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Support for Courses

Hyperlinks are provided for accessibility throughout; full URLs are available at the end of the document.

CourseDen D2L Home Page

D2L UWG Online Help (8 AM – 5 PM)
Call: 678-839-6248 or 1-855-933-8946 or email: **online@westga.edu**

24/7/365 D2L Help Center
Call 1-855-772-0423

University Bookstore

Student Services

Center for Academic Success
678-839-6280

Distance Learning Library Services

Ingram Library Services

Accessibility Services
Call:678-839-6428 or email:
counseling@westga.edu

College of Education Vision

The College of Education at the University of West Georgia will be recognized for leading *Innovation in Teaching, Leadership, and Wellness*, with programs designed to transform lives and contribute to the betterment of society.

College of Education Mission

Locally connected and globally relevant, the Mission of the College of Education is to prepare graduates for professional careers in diverse settings within three dynamic areas of focus: *Teaching, Leadership, and Wellness*. With programs that range from undergraduate through doctoral study, the College of Education is committed to excellence in pedagogy, professional service, engaged partnerships, and applied research.

The vision and mission of the College of Education at UWG form the basis on which programs, courses, experiences, and outcomes are created. National and state standards are incorporated as criteria against which candidates are measured. This course's objectives, activities, and assignments are related directly to the appropriate standards.

Course Information

Course Description

This course introduces the graduate student to basic methods of empirical inquiry used in higher education. Quantitative research designs commonly used in higher education are emphasized. Students will learn how to select samples, identify appropriate measurement instruments, analyze data descriptively, and apply a variety of inferential statistical tests to answer research questions.

Credit Hours: 3
Prerequisites: N/A
Co-requisites: N/A

Texts, Readings, and Instructional Resources

Required Text(s)

Gravetter, Wallnau, & Forzano. *Essentials of Statistics for the Behavioral Sciences* (9th ed.) ebook with Mindtap.

Instructions for how to purchase and access this text are found within CourseDen, under Cengage MindTap within Content.

Required Material(s)

SPSS: IBM Corp. Released 2017. IBM SPSS Statistics for Windows, Version 25.0. Armonk, NY: IBM Corp. https://onthehub.com/spss/

Suggested Text(s)

Pallant, J. (2010). *SPSS survival manual: A step by step guide to data analysis using SPSS.* Maidenhead, Berkshire: McGraw-Hill.

Sriram, R. (2017). *Student affairs by the numbers: Quantitative research and statistics for professionals.* Sterling, VA: Stylus.

Required Instructional Resource: TK20 Subscription

Please select the link to access a pdf guide on how to purchase your account.
If you have purchased a subscription previously, DO NOT re-subscribe. For assistance, email tk20@westga.edu. You will receive account activation confirmation from Watermark Support as soon as your account has been activated, please select the link to access a pdf guide on how to log into your Tk20 account.
For additional information about this resource, and to access the "How to" guides, visit the Tk20 webpage.

Approaches to Instruction

Instruction in this course will be delivered 100% online. Online tools such as discussion boards and chat rooms are required. Students are expected to use CourseDen for information and communication.

Course Objectives and Learning Outcomes

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

1. Identify strengths and limitations of quantitative research methodologies (NASPA/ACPA Competency: Methodology, Data Collection, and Data Analysis)
2. Differentiate among quantitative methods for assessment and research (NASPA/ACPA Competency: Methodology, Data Collection, and Data Analysis)
3. Identify basic statistical methodologies and underlying concepts for the purpose of quantitative analyses in higher education (NASPA/ACPA Competency: Methodology, Data Collection, and Data Analysis)

Assignments

Always refer to CourseDen for additional assignment details and due dates.
Should there be a conflict between CourseDen and the syllabus, the syllabus typically wins. It is imperative you manage your time wisely with the assignments. The exams and SPSS assignments will not open or be posted until the assigned week, but you can work ahead as you have the readings and course materials. Because this course is covering all the information within a basic statistics course, as well as information and practice regarding how to apply this statistical knowledge through SPSS and research methods, it may sometimes feel like "information overload". It is *strongly* recommended you access ALL Cengage resources within MindTap and CourseDen, including practice problems, helpful videos and tools, and SPSS resources.

Attendance Quiz (10 points)

Please complete the attendance quiz, in the form of an introductory discussion post, within 72 hours of the start date for this course in order to be counted as "attending". Students will be awarded 10 points for the timely submission and completion of this assignment. Failure to complete the attendance quiz will result in a "Not attending" for the student in Banner.

Weekly Exams (10 points each)

Within this online course, you will have weekly exams for each chapter covered within your online ebook. You will have one opportunity and 60 minutes to complete each of these exams. It is my strong recommendation that you read, practice, and study prior to each exam. Passing these exams may not be possible if you do not follow my strong recommendations to fully prepare prior to accessing the exam. Do not access these exams until you are ready. All exams may be accessed through Cengage within the Weekly Assignments portion of Content within CourseDen.

SPSS Assignments (50 points each)

Students will be assigned three SPSS assignments throughout the course of the semester. Each assignment will be posted within CourseDen under SPSS Assignments.

Final Research Proposal (50 points) – TK20 Assignment

This summative assignment is a demonstration of your understanding of quantitative research in higher education. Students will complete an initial proposal (worth 10 points of the overall assignment) containing a literature review and quantitative research question and methodology. Students will receive feedback regarding their initial proposal, and then will submit their final product at the end of the course. Students will be assigned a database and will run an analysis based upon their research question; and will demonstrate their ability to appropriately select the statistical approach to data analysis congruent with their research question. Students will submit their final paper, complete with SPSS output, for their TK20 assignment at the end of the semester.

Grading Information and Policy

Considering this is a doctoral class, all work is evaluated by the instructor on a substantive basis. Things considered for each assignment include:

- Thoughtfulness
- Writing
- Intentionality
- Content
- Critical Thinking
- Overall Quality

In addition, appropriateness of research question, proposed statistical approach, analysis, and quality of SPSS output and content will be taken into consideration for the final TK20 assignment. The instructor reserves the right to reject any assignment she deems unacceptable for doctoral education.

Students will be graded using the following scale:
A = 90-100%, B = 80-89%, C = 70-79%, F = 69% and below

Course Policies

Academic Honesty:

All work completed in this course must be original work developed this semester. Students are expected to adhere to the highest standards of academic honesty. Plagiarism occurs when a student uses or purchases ghostwritten papers. It also occurs when a student utilizes ideas or information obtained from another person without giving credit to that person or presenting another's work as their own; this includes improperly cited materials. If plagiarism or another act of academic dishonesty occurs, it will be dealt with in accordance with the academic misconduct policy as stated in the latest Student Handbook and the Graduate Catalog. It may result in an automatic 0 on the assignment, F in the course, or possible removal from the EDDPCS Program.

Attendance and Engagement:

Students must post to the introductory discussion post within 72 hours of class in order to be considered "attending" this online course (please see Class Schedule Information). Students who do not post to the introductory discussion post within this timeframe may be dropped from the class for non-attendance. Students who add classes during drop/add are responsible for ensuring that they are verified as being in attendance by contacting the course instructor and participating

in online forum. Attendance and engagement is expected at a graduate level. This course requires you to login at least once or twice a week *at a minimum*. The course is designed to keep you engaged and checking the course regularly. It is your responsibility to check the course and remain engaged. A successful student in this course will be logging in daily or bi-daily to access relevant course information, materials, and assignments.

Any student with a disability documented through Student Services is encouraged to contact the instructor right away so that appropriate accommodations may be arranged. In addition, certain accommodations are available to all students, within constraints of time and space.

Late Work:

Late work is any work that prevents the instructor from grading the assignment after the due date. This includes, but is not limited to any work either not submitted on time or work that is submitted on time, but is unable to be opened (e.g. a corrupt file). As a general rule, late work will not be accepted in this course. However, life happens. If you have circumstances in your life which will prevent you from submitting weekly assignments on time, please notify me immediately. I can help in advance, but cannot help after an assignment is due. It is your responsibility to communicate with me regarding your inability to complete assignments as soon as possible. Late submission of the TK20 assignment will not be accepted, as you have an entire semester to complete these. To avoid late work, please DO NOT procrastinate and wait to submit at the last possible minute. Late submission of TK20 assignment will also result in a 10 point deduction off of your final grade in this course.

Professional Conduct:

It is expected that everyone will maintain a professional atmosphere and attitude. Additionally, class should be a safe place to discuss practical issues openly and confidentially. At times, we may not know information or say the wrong thing. This should be a safe place to make mistakes and we should be able to help each other learn the information.

Student Email Policy:

University of West Georgia students are provided a MyUWG email account, which is the official means of communication between the University and student. It is the student's responsibility to check this email account for important University related information. I will send emails through CourseDen and to your student email account.

Rights of reservation:

Please note the instructor has the right to change the syllabus, instructions, assignments, or grade distribution with advanced notice. Additionally, the syllabus should be used as the source of all information and dates. Should there ever be conflicting information, such as dates, with CourseDen (or any other source), the syllabus is typically the winning source.

UWG Policies

As of July 1, 2017, "campus carry" is in effect at all public universities in Georgia. UWG follows the University System of Georgia guidance. There are several restrictions to this law,

which are explained on the [USG Campus Carry Guidance webpage.](#) Answers to specific questions can be found under the "Additional Information" tab.

For important policy information on the UWG Honor Code, Email, and Credit Hour policies, as well as information on Academic Support and Online Courses, please review the information found in the **[Common Language for Course Syllabi.](#)** Additions and updates are made as institution, state, and federal standards change, so please review it each semester.

Americans with Disabilities Act Statement:

If you are a student who is disabled as defined under the Americans with Disabilities Act and require assistance or support services, please seek assistance through the [Center for Accessibility Services](#). UWG also provides [Accessibility Statements for Technology](#) that you may be required to use for this course.

Communication Rules

Communication should occur through the University email system. Emails and communication sent through CourseDen may go unanswered or have a delayed response. Emails sent to shannas@westga.edu typically have a 24 – 48 hour response.

Network Etiquette:

Communication in an online class takes special consideration. Please read the short list of tips below:

- Be sensitive and reflective to what others are saying.
- Don't use all caps. It is the equivalent of screaming.
- Don't flame - These are outbursts of extreme emotion or opinion.
- Think before you hit the post (enter/reply) button. You can't take it back!
- Don't use offensive language.
- Use clear subject lines.
- Don't use abbreviations or acronyms unless the entire class knows them.
- Be forgiving. Anyone can make a mistake.
- Keep the dialog collegial and professional.

Expected Response Times

I will respond to discussion posts weekly, either publicly or within private feedback. I will provide proposal feedback within a week. It is my hope to return the final paper and assignments within two weeks. I will keep students informed on my progress should there be a delay. If you have questions or concerns, please contact me immediately.

Class Schedule Information

Week	Subject/Theme	Begin Date	End Date	Assignment	Assignment Name
		8/14	8/19	Attendance Quiz	Attendance Quiz Due
1	Introduction to Statistics	8/14	8/21	Chapter 1 Exam DUE	
2	Frequency Distributions	8/21	8/28	Chapter 2 Exam DUE	
3	Central Tendency	8/28	9/4	Chapter 3 Exam DUE	
4	Variability	9/4	9/11	Chapter 4 Exam DUE	**SPSS Assignment 1 DUE**
5	z-Scores	9/11	9/18	Chapter 5 Exam DUE	
6	Probability	9/18	9/25	Chapter 6 Exam DUE	**Proposals DUE**
7	Probability and Samples	9/25	10/2	Chapter 7 Exam DUE	

Week	Subject/Theme	Begin Date	End Date	Assignment	Assignment Name
8	Introduction to Hypothesis Testing	10/2	10/9	Chapter 8 Exam DUE	**SPSS Assignment 2 DUE**
9	Introduction to the tStatistic	10/9	10/16	Chapter 9 Exam DUE	
10	The tTest for Two Independent Samples	10/16	10/23	Chapter 10 Exam DUE	
11	The tTest for Two Related Samples	10/23	10/30	Chapter 11 Exam DUE	
12	Introduction to Analysis of Variance	10/30	11/6	Chapter 12 Exam DUE	**SPSS Assignment 3 DUE**
13	Repeated-Measures and Two-Factor Analysis of Variance	11/6	11/13	Chapter 13 Exam DUE	
14	Correlation and Regression	11/13	11/20	Chapter 14 Exam DUE	
15	The Chi-Square Statistic: Tests for Goodness of Fit and Independence	11/20	11/27	Chapter 15 Exam DUE	

Week	Subject/Theme	Begin Date	End Date	Assignment	Assignment Name
16	Demonstration of Understanding Statistics	11/27	12/6		**TK20 Project DUE**

 Note: Dates may change at the instructor's discretion. All changes will be posted in the News/Announcements section of CourseDen.
*Items in Blue are SPSS assignments.
*Items in Red are TK20 Assignments.

Additional Support Information
Technical Support
Technical support for CourseDen, as well as the technological requirements, accessibility statements, privacy statements, tutorials, and other information can be found at UWG Online Student Help.

Center for Academic Success
The Center for Academic Success (CAS) provides services, programs, and opportunities to help all undergraduate students succeed academically. The CAS offers free appointment-based peer tutoring in core courses, as well as supplemental instruction (SI)—which is peer-facilitated collaborative learning—in a variety of disciplines. Students seeking help with study skills and strategies can attend workshops though the Academic Success Workshop series, or work individually with either a staff or peer Academic Coach. Beginning Fall 2014, the CAS will also offer "Back on Track," a voluntary academic recovery program designed for students who want to improve their grades and academic standing. The Center for Academic Success is located in UCC 200, and can be reached at 678-839-6280. Our email address is cas@westga.edu.

Smarthinking
Smarthinking offers online tutoring services and resources (including the Writing Center) for UWG students/instructors in all courses. A link to Smarthinking is available in CourseDen under Resources in the navigation bar.

Student Services
Here is a great resource of **Student Services** for all students at UWG, whether or not they are taking online courses. This link provides students with most of the information they need. If a student is experiencing distress and needs some help, check out **UWG Cares**.

Full URL Support for Courses

- **CourseDen D2L Home Page**
  https://westga.view.usg.edu/
- **D2L UWG Online Help** (8 AM – 5 PM)
  https://westga.view.usg.edu/d2l/login
- **24/7/365 D2L Help Center**
  https://d2lhelp.view.usg.edu/
- **University Bookstore**

http://www.bookstore.westga.edu/

- **Common Language for Course Syllabi**
  https://www.westga.edu/administration/vpaa/common-language-course-syllabi.php
- **UWG Cares**
  http://www.westga.edu/UWGCares/
- **Center for Disability**
  https://www.westga.edu/student-services/counseling/accessibility-services.php
- **Student Services**
  http://uwgonline.westga.edu/online-student-guide.php
- **Center for Academic Success**
  http://www.westga.edu/cas/

- **Distance Learning Library Services**
- https://www.westga.edu/library/resource-sharing.php
- **Ingram Library Services**
  http://www.westga.edu/library/
- **Proctored Exams**
  http://uwgonline.westga.edu/exams.php#student
- **Student Services**
  https://uwgonline.westga.edu/online-student-guide.php
- **UWG Accessibility Statements for Technology**
  https://docs.google.com/document/d/16Ri1XgaXiGx28ooO-zRvYPraV3Aq3F5ZNJYbVDGVnEA/edit?ts=57b4c82d#heading=h.yrqefffvts1f