Course Description

A review of descriptive and inferential statistics with attention to how these techniques are utilized in community counseling and the role of primary research in the counseling literature. Students will gain proficiency in research techniques data analysis.

Requisites
For information regarding prerequisites for this course, please refer to the Academic Course Catalog (https://catalog.liberty.edu/).

Rationale

This course is designed to give students a working knowledge of the topics listed above with an emphasis on the application of statistical knowledge rather than the theory. This course should also further equip students to succeed in more advanced statistics courses within their field of counseling.

Measurable Learning Outcomes

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

A. Develop a basic understanding of probability and statistics, their basic concepts and practical applications.
B. Develop an understanding of how research design and statistics are used hand-in-hand to address specific kinds of research questions.
C. Understand the specific kinds of research questions associated with each statistical technique.
D. Obtain an understanding of how multivariate statistics is an extension of many these univariate statistics.
E. Obtain a more in-depth understanding of several important and commonly used statistical techniques, including their assumptions and limitations, fundamental equations, major types and variations, and important conceptual and practical issues.
F. Demonstrate the ability to set-up and run each of the techniques in the textbook on SPSS, using the data sets supplied in the texts and by the professor.

Course Resources

Click on the following link to view the required resource(s) for the term in which you are registered: Liberty University Online Bookstore (https://bncvirtual.com/liberty).

Additional Materials for Learning

A. Computer with basic audio/video output equipment
B. Internet access (broadband recommended)
D. Microsoft Word

Course Assignments
Textbook readings and lecture presentations/notes

Course Requirements Checklist

After reading the Course Syllabus and Student Expectations, the student will complete the related checklist found in the Course Overview.

Essays (7)

Each Essay contains 2 comprehension questions assigned from the chapter of the reading for Modules 1 through 7. Each essay allows one attempt for a grade.

Quizzes (8)

Each quiz in module 1-7 will cover the chapter reading for that week. It will be 10 questions and you have 45 minutes to take each quiz. Each quiz is worth 30 points. Students may take a quiz as many times they like. The attempt with the highest score for each quiz will be recorded in the grade center. The module 8 quiz contains 30 questions and is worth 90 points. The module 8 quiz allows 120 minutes to complete and will encompass the material from the entire course. Quizzes are open book and open notes. Students may take a quiz as many times they like. (MLO A-F)

Course Grading

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Essays (7 at 100 pts ea)</td>
<td>700</td>
</tr>
<tr>
<td>Quizzes (7 at 30 pts ea) (1 at 90 pts)</td>
<td>300</td>
</tr>
<tr>
<td>Total</td>
<td>1010</td>
</tr>
</tbody>
</table>

Course Policies

Professional Communication

Please be professional in your email communication. We live in a fast-paced world with text messaging which encourages short and abbreviated communication. However, since you are in a counseling program, you are encouraged and expected to use full sentences and good grammar when communicating with other students and faculty. It is also an expectation that your electronic communication is pleasing to God. Being courteous and polite to peers and professors demonstrates dignity and respect, “And as you wish that others would do to you, do so to them” (Luke 6:31, ESV).

Dual Relationship

The faculty is responsible to interact with counseling students in a supervisory capacity/role. As such, faculty may provide students professional principles, guidance, and recommendations as it relates to the context of the student-client setting. The faculty is responsible to avoid dual relationships with students such as entering a student-counselor or student-pastor relationship. Thus, the faculty does not provide personal counseling addressing student personal problems. If a faculty member perceives that a student is in need of personal or professional counseling, then that faculty member will recommend that the student pursue either pastoral or professional assistance from a counselor in their community.

Limits of Confidentiality

In the event of a student’s disclosure, either verbally or in writing, of threat of serious or foreseeable harm to self or others, abuse or neglect of a minor, elderly or disabled person, or current involvement in criminal activity, the faculty, staff, administrator, or supervisor will take immediate action. This action may include, but is not limited to, immediate notification of appropriate state law enforcement
Late Assignment Policy

Course Assignments, including discussions, exams, and other graded assignments, should be submitted on time.

If the student is unable to complete an assignment on time, then he or she must contact the instructor immediately by email.

Assignments that are submitted after the due date without prior approval from the instructor will receive the following deductions:

1. Late assignments submitted within one week after the due date will receive up to a 10% deduction.
2. Assignments submitted more than one week and less than 2 weeks late will receive up to a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the course will not be accepted outside of special circumstances (e.g. death in the family, significant personal health issues), which will be reviewed on a case-by-case basis by the instructor.
4. Group projects, including group discussion threads and/or replies, and assignments will not be accepted after the due date outside of special circumstances (e.g. death in the family, significant personal health issues), which will be reviewed on a case-by-case basis by the instructor.

Disability Assistance

Students with a disability and those with medical conditions associated with pregnancy may contact Liberty University’s Online Office of Disability Accommodation Support (ODAS) at LUOODAS@liberty.edu for accommodations. Such accommodations require appropriate documentation of your condition. For more information about ODAS and the accommodations process, including how to request an accommodation, please visit https://www.liberty.edu/online/online-disability-accommodation-support/. Requests for accommodations not related to disabilities or pregnancy must be directed to the Registrar’s Office, which generally handles medical needs support.

If you have a complaint related to disability discrimination or an accommodation that was not provided, you may contact ODAS or the Office of Equity and Compliance by phone at (434) 592-4999 or by email at equityandcompliance@liberty.edu. Click to see a full copy of Liberty’s Discrimination, Harassment, and Sexual Misconduct Policy (https://www.liberty.edu/media/1226/Liberty_University_Discrimination_Harassment_and_Sexual_Misconduct_Policy.pdf) or the Student Disability Grievance Policy and Procedures (http://www.liberty.edu/media/8021/Disability_Grievance_Procedures.pdf).

Course Attendance

In an effort to comply with U.S. Department of Education policies, attendance is measured by physical class attendance or any submission of a required assignment within the enrollment dates of the course (such as examinations, written papers or projects, any discussion posts, etc.) or initiating any communication with one’s professor regarding an academic subject. More information regarding the attendance policy (https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwiki.os.liberty.edu%2Fdisplay%2FIE%2FOnline%2BAttendance%2Band%2BNon-Attendance&data=02%7C01%7Ccaccollins2%40liberty.edu%7C%7C91431fa6ac547056b5408d33029e1a%7C7caaf8218eb3024465a9934a39e97251b2%7C0%7C0%7C637315433613719138&data%3D%2BNBNTsP0oXuHAPLfsQRugK7cRSuV6UyC7qD3agf3I2k%3D&reserved%3D0) can be found in the Academic Course Catalogs (https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.liberty.edu%2Findex.cfm%3FPID%3D791&data=02%7C01%7Ccaccollins2%40liberty.edu%7C%7C91431fa6ac547056b5408d33029e1a%7C7caaf8218eb3024465a9934a39e97251b2%7C0%7C0%7C637315433613729132&data%3D%2DJjhMiR8BnF%2B7ZUJC8eBd1OdNb26S9ADukODYijIXAA%3D&reserved%3D0). Regular attendance in online courses is expected throughout the length of the term. Students who do not attend within the first week of a sub-term by submitting a required academic assignment (such as the Course Requirements Checklist, an examination, written paper or project, discussion post, or other academic activity) will be dropped from the course. Students who wish to re-enroll in the course are encouraged to contact Academic Advising to discuss their enrollment options. Students who begin an online course, but at some point in the semester cease attending, and do not provide official notification to withdraw, will be assigned a grade of “FN” (Failure for Non-Attendance (https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwiki.os.liberty.edu%2Fdisplay%2FIE%2FOnline%2BAttendance%2Band%2BNon-Attendance&data=02%7C01%7Ccaccollins2%40liberty.edu%7C%7C91431fa6ac547056b5408d33029e1a%7C7caaf8218eb3024465a9934a39e97251b2%7C0%7C0%7C637315433613729132&data%3D%2DJjhMiR8BnF%2B7ZUJC8eBd1OdNb26S9ADukODYijIXAA%3D&reserved%3D0).
Add/Drop Policy

The full policy statement and procedures are published in the Policy Directory (https://wiki.os.liberty.edu/display/IE/Dropping+and+Adding+Online+Classes).

Honor Code

Liberty University comprises a network of students, Alumni, faculty, staff and supporters that together form a Christian community based upon the truth of the Bible. This truth defines our foundational principles, from our Doctrinal Statement to the Code of Honor. These principles irrevocably align Liberty University's operational procedures with the long tradition of university culture, which remains distinctively Christian, designed to preserve and advance truth. Our desire is to create a safe, comfortable environment within our community of learning, and we extend our academic and spiritual resources to all of our students with the goal of fostering academic maturity, spiritual growth and character development.

Communities are predicated on shared values and goals. The Code of Honor, an expression of the values from which our Doctrinal Statement was born, defines the fundamental principles by which our community exists. At the core of this code lie two essential concepts: a belief in the significance of all individuals, and a reliance on the existence of objective truth.

While we acknowledge that some may disagree with various elements of the Code of Honor, we maintain the expectation that our students will commit to respect and uphold the Code while enrolled at Liberty University.

Adherence to the principles and concepts established within facilitates the success of our students and strengthens the Liberty community.


Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>940-1010</td>
</tr>
<tr>
<td>A-</td>
<td>920-939</td>
</tr>
<tr>
<td>B+</td>
<td>900-919</td>
</tr>
<tr>
<td>B</td>
<td>860-899</td>
</tr>
<tr>
<td>B-</td>
<td>840-859</td>
</tr>
<tr>
<td>C+</td>
<td>820-839</td>
</tr>
<tr>
<td>C</td>
<td>780-819</td>
</tr>
<tr>
<td>C-</td>
<td>760-779</td>
</tr>
<tr>
<td>D+</td>
<td>740-759</td>
</tr>
<tr>
<td>D</td>
<td>700-739</td>
</tr>
<tr>
<td>D-</td>
<td>680-699</td>
</tr>
<tr>
<td>F</td>
<td>679 and below</td>
</tr>
</tbody>
</table>

For courses with a Pass/NP final grade, please refer to the Course Grading section of this syllabus for the assignment requirements and/or point value required to earn a Passing final grade.

Schedule

<table>
<thead>
<tr>
<th>When</th>
<th>Topic</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Overview</td>
<td>Student Acknowledgements</td>
<td>Course Requirements Checklist</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Advising Guide Acknowledgement</td>
</tr>
<tr>
<td>Module 1: Week 1</td>
<td>Learn</td>
<td>Read: 2 items</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Watch: 1 item</td>
</tr>
<tr>
<td></td>
<td>Apply</td>
<td>Essay: Basics of Research Assignment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Quiz: Basics Of Research</td>
</tr>
<tr>
<td>Module</td>
<td>Week</td>
<td>Learn</td>
</tr>
<tr>
<td>--------</td>
<td>------</td>
<td>-------</td>
</tr>
</tbody>
</table>
| Module 2: Week 2 | Learn | Read: 1 item  
Watch: 1 item | Essay: Basic Statistics Assignment  
Quiz: Basics Of Statistics |
| Module 3: Week 3 | Learn | Read: 2 items  
Watch: 3 items | Essay: The Null Hypothesis and You Assignment  
Quiz: The Null Hypothesis And You |
| Module 4: Week 4 | Learn | Read: 2 items  
Watch: 2 items | Essay: Data Screening Basics Assignment  
Quiz: Data Screening Basics |
| Module 5: Week 5 | Learn | Read: 1 item  
Watch: 1 item | Essay: Comparing Two Independent Groups Assignment  
Quiz: Comparing Two Independent Groups |
| Module 6: Week 6 | Learn | Read: 1 items  
Watch: 2 items | Essay: Comparing Two or More Groups Assignment  
Quiz: Comparing Two or More Groups |
| Module 7: Week 7 | Learn | Read: 1 item  
Watch: 3 items | Essay: Correlation Assignment  
Quiz: Correlation |
| Module 8: Week 8 | Learn | Read: 2 items  
Watch: 1 item | Quiz: Final |