

<b>Faculty</b>	Management and Social Sciences	
<b>Department</b>	Sociology	
<b>Course Title</b>	Application of Computer to Social Science	
<b>Year of Study</b>	III	
<b>Course Code</b>	CSS 320	
<b>Credit Hours</b>	2	
<b>Contact Hours</b>	30	
<b>Mode of Delivery</b>	Classroom Lectures	
<b>Mode of Assessment</b>		<b>Weight%</b>
<b>Continuous Assessment</b>		30%
<b>Final Examination</b>		70%
<b>Total</b>		100%
<b>Course Lecture/Instructor</b>	Dr. Daniel Olusegun	
<b>Course Description</b>	Application of Computer to Social Science introduces students to the practical use of computer technologies in social science research and analysis. The course covers data collection, statistical analysis, and presentation of findings using various software applications.	
<b>Course Objectives</b>	<p>By the end of this course, students should:</p> <ol style="list-style-type: none"> <li>1. Develop proficiency in using computer applications for social science research.</li> <li>2. Understand the principles of data collection and management.</li> <li>3. Learn statistical analysis techniques relevant to social science.</li> <li>4. Apply computer software for data analysis and visualization.</li> <li>5. Enhance skills in presenting research findings using digital tools.</li> <li>6. Explore ethical considerations in computer-based social science research.</li> </ol>	
<b>Learning Outcomes</b>	<p>Upon completing the course, students should be able to:</p> <ol style="list-style-type: none"> <li>1. Use computer applications for social science research purposes.</li> <li>2. Demonstrate knowledge of data collection and management principles.</li> <li>3. Apply statistical analysis techniques using computer software.</li> <li>4. Utilize computer tools for data analysis and visualization.</li> <li>5. Present research findings effectively using digital platforms.</li> <li>6. Discuss ethical considerations in computer-based social science research.</li> </ol>	

<b>Teaching and Learning</b>	The class will meet for two hours each week. Class time will be utilized for lectures.	
<b>Detailed Course Content</b>		
<b>Course Content Sequencing</b>		
<b>Weeks</b>	<b>Detailed Course Outline</b>	<b>Allocated Time</b>
<b>Week 1</b>	Introduction to Computer Applications in Social Science	2 hours
<b>Week 2</b>	Research Design and Data Collection	2 Hours
<b>Week 3</b>	Data Management and Cleaning	2 Hours
<b>Week 4</b>	Introduction to Statistical Analysis	2 Hours
<b>Week 5</b>	Descriptive Statistics and Data Visualization	2 Hours
<b>Week 6</b>	Inferential Statistics: Hypothesis Testing	2 Hours
<b>Week 7</b>	Regression Analysis and Correlation	2 Hours
<b>Week 8</b>	Computer Software for Statistical Analysis	2 Hours
<b>Week 9</b>	Qualitative Data Analysis using Computer Software	2 Hours
<b>Week 10</b>	Computer-Aided Content Analysis Data Presentation and Visualization	2 Hours
<b>Week 11</b>	Revision	2 Hours
<b>Week 12</b>	Examination	
<b>Recommended Reading Materials</b>		
<p>Field, A. (2017). <i>Discovering Statistics Using IBM SPSS Statistics</i>. Sage.</p> <p>Creswell, J. W., &amp; Creswell, J. D. (2017). <i>Research Design: Qualitative, Quantitative, and Mixed Methods Approaches</i>. Sage.</p> <p>Kelle, U. (2018). <i>Computer-aided Qualitative Data Analysis: Theory, Methods and Practice</i>. Sage.</p> <p>King, G., Keohane, R. O., &amp; Verba, S. (1994). <i>Designing Social Inquiry: Scientific Inference in Qualitative Research</i>. Princeton University Press.</p> <p>ArcGIS. (2021). <i>ArcGIS Desktop Documentation</i>. Esri.</p> <p>(Note: Additional readings, online resources, and tutorials specific to software applications may be assigned during the course.)</p>		