

<b>Semester</b>	<b>8</b>		
Course Code:	MIS4141		
Course Name:	<b>Statistical Consulting</b>		
Credit Value:	1		
Core/Optional	C		
Hourly Breakdown	Theory	Practical	Independent Learning
	8	15	30
<b>Course Aim</b> The objectives of this course unit are to <ul style="list-style-type: none"> <li>➤ provide communication styles to ensure accurate flow of information between the client and the statistical consultant.</li> <li>➤ explain the needs of the client through various questioning techniques, select and apply appropriate methods of analysis, and effectively communicate results through oral and written presentations.</li> <li>➤ discuss statistical consulting in a real-world setting.</li> </ul> <b>Intended Learning Outcomes:</b> After successfully completing this course, students should be able to <ul style="list-style-type: none"> <li>➤ skillfully engage in statistical collaboration with clients</li> <li>➤ demonstrate excellent presentation skills and statistical concepts and findings to a general scientific audience.</li> <li>➤ identify appropriate statistical tools to address specific scientific questions.</li> </ul>			
Course Content: (Main topics, Sub topics) <ul style="list-style-type: none"> <li>➤ Introduction to Statistical Consulting</li> <li>➤ Verbal, Written, and Presentation Communications</li> <li>➤ Negotiating a Satisfactory Exchange</li> <li>➤ Dealing with Difficult Situations</li> <li>➤ Methodological Aspects of Statistical Consulting</li> <li>➤ Grant Proposals and Manuscripts</li> <li>➤ Anatomy of a Study</li> </ul>			
Teaching /Learning Methods: Conducting Lectures and Tutorial classes			
Assessment Strategy:			
Continuous Assessment 40%		Final Assessment 60%	
Details: quizzes :0%, mid-term:20% assignment: 20%		Theory(%) 60%	Practical (%) ..... Other (%) (specify) .....
References/Reading Materials: <ul style="list-style-type: none"> <li>➤ Practical Guide for Statistical Consulting, Thiyanga S. Talagala (2024), Retrieved from <a href="https://thiyangt.github.io/tstalagala-MIS4141/">https://thiyangt.github.io/tstalagala-MIS4141/</a>.</li> <li>➤ Statistical Consulting: A Guide to Effective Communication, Janice Derr, Duxbury Press, Belmont CA, 2000.</li> <li>➤ Statistical Consulting, Javier Cabrera and Andrew McDougall, Springer-Verlag, New York, 2002.</li> <li>➤ Statistical Consulting, Springer-Verlag, Cabrera, J. &amp; McDougall, A. (2002), ISBN: 0-387-98863-7</li> </ul>			