Semester	8

Course Code:	MIS4141
Course Name:	**Statistical Consulting**
Credit Value:	1
Core/Optional	C

Hourly Breakdown	Theory	Practical	Independent Learning
	8	15	30

Course Aim
The objectives of this course unit are to
- ➤ provide communication styles to ensure accurate flow of information between the client and the statistical consultant.
- ➤ 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.
- ➤ discuss statistical consulting in a real-world setting.

Intended Learning Outcomes:
After successfully completing this course, students should be able to
- ➤ skillfully engage in statistical collaboration with clients
- ➤ demonstrate excellent presentation skills and statistical concepts and findings to a general scientific audience.
- ➤ identify appropriate statistical tools to address specific scientific questions.

Course Content: (Main topics, Sub topics)
- ➤ Introduction to Statistical Consulting
- ➤ Verbal, Written, and Presentation Communications
- ➤ Negotiating a Satisfactory Exchange
- ➤ Dealing with Difficult Situations
- ➤ Methodological Aspects of Statistical Consulting
- ➤ Grant Proposals and Manuscripts
- ➤ Anatomy of a Study

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:
- ➤ Statistical Consulting: A Guide to Effective Communication, Janice Derr, Duxbury Press, BelmontCA, 2000.
- ➤ Statistical Consulting, Javier Cabrera and Andrew McDougall, Springer-Verlag, New York, 2002.
- ➤ Statistical Consulting, Springer-Verlag, Cabrera, J. & McDougall, A. (2002), ISBN: 0-387-98863-7