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| **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%, mid­term:20%  assignment: 20% | | Theory(%)  60% | Practical (%)  …….. | | Other (%)(specify)  …………… |
| References/Reading Materials:   * Practical Guide for Statistical Consulting, Thiyanga S. Talagala (2024), Retrieved from https://thiyangt.github.io/tstalagala-MIS4141/. * Statistical Consulting: A Guide to Effective Communication, Janice Derr, Duxbury Press, Belmont CA, 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 | | | | | |