

University of Management and Technology
School of Architecture & Planning
Department of City and Regional Planning

Semester Spring 2021

Course Outline

Course code: **CRP-241** **Course title: Planning Surveys and Data Analysis**

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| Program | BSc. City and Regional Planning | |
| Credit Hours | 1+2 | |
| Duration | Tuesday: 09:30 - 10:45 (Th) (Online) Friday: 09:30 - 01:00 (Pr) | |
| Prerequisites | None | |
| Resource Person | Minahil Nawaz | |
| Counseling Timing | Wednesday : 9:00am-12:00pm Thursday : 9:00am-12:00pm | |
| Contact | 03474467486 | Email: minahil.nawaz@umt.edu.pk |

Chairman/Director signature.....

Dean's signature..... Date.....

Learning Objective:

After studying this course, the learners will be able to:

1. Define and describe the terms related to planning surveys
2. Understand the purposes of conducting various types of planning surveys
3. Discuss sampling methods
4. Conduct various types of planning surveys by applying tools for data collection
5. Perform data analysis
6. Make analytical reports

Learning Methodology:

- Lecturing
- Assignments
- Field Visits
- Report Writing

Grade Evaluation Criteria

Following is the criteria for the distribution of marks to evaluate final grade in a semester.

Marks Evaluation

Marks in percentage

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| Quizzes | 5% |
| Assignments | 5% |
| Mid Term | 15% |
| Term Project | 50% |
| Final | 25% |
| Total | 100% |

Reference Books:

1. Fowler, F.J. (2014), *Survey Research Methods*, Sage Publications.
2. Zmud, J., Gosselin, M.L., Munizga, M., and Carrasco, J.A. (eds.) (2013), *Transport Survey Methods: Best Practice for Decision Making*, Emerald.
3. Valliant, R., Dever, J.A. and Kreuter, F. (2013), *Practical Tools for Designing and Weighting survey samples*, Springer.

4. Mutz, D. C. (2011). *Population-Based Survey Experiments*, Princeton University Press.
5. Bethlehem, J., Cobben, F., and Schouten, B. (2011), *Handbook of Nonresponse in Household Surveys*, John Willey and Sons.
6. Bulmer, M. (ed.) (2010), *Social Measurement through Social Surveys*, Ashgate.

Pauline, V. Y. (2009), *Scientific Social Surveys and Research*, Phi Learning

Calendar of Course contents to be covered during semester

Course code: CRP-241 **Course title:** Planning Surveys and Data Analysis

| Week | Course Contents | Reference Chapter(s) |
|------|--|----------------------|
| 1 | <p>Introduction to Planning Survey, Practical application of Planning Survey (nature and purpose)</p> <p>Assignment: Area selection</p> | - |
| 2 | <p>What is data, Types of Data and Methods to collect Data</p> <p>Assignment: Finalization of Survey and Marking its boundaries on Google Earth</p> | - |
| 3 | <p>Field Survey: Reconnaissance Survey of the selected area and marking of the coordinates by GPS of marked points on the Boundary.</p> <p>Assignment: Digitalization of the area.</p> | - |

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| 4 | <p>Introduction to Land Use Survey and How to conduct Land Use Survey</p> <p>Field Survey: Demonstration of Land Use Survey.</p> | - |
| 5 | <p>Codes of Land Use Survey</p> <p>Field Survey: Land Use Survey</p> <p>Assignment: What is Land Use Survey and codes for Land Use Survey?</p> | - |
| 6 | <p>Field Survey: Land Use Survey</p> | - |
| 7 | <p>Finalization of maps and Report contents</p> <p>Field Survey: Cross Check Land Use Survey (with Resource Person)</p> | - |
| 8 | MID TERM EXAM | |
| 9 | <p>Map features and outlay of plans</p> | - |

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| 10 | <p>Identification of Goals and Objectives and Questioner Formulation</p> <p>Class Assignment: Formulation of Socio-Economic Questioner</p> | - |
| 11 | <p>Sampling: Purpose, types and methods, Sampling Errors and measure to control errors.</p> <p>Class Assignment: Apply sampling to your case study.</p> | - |
| 12 | <p>How to conduct Socio- Economic Survey.</p> <p>Field Survey: Socio- Economic Survey.</p> | - |
| 13 | <p>Field Survey: Socio- Economic Survey.</p> | - |
| 14 | <p>Class Assignment: Data entry of Socio- Economic Survey.</p> | - |
| 15 | <p>Submission Of Report And Relative Problem Solving</p> | - |

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| 16 | FINAL TERM EXAM |
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