

Savitribai Phule Pune University

Faculty of Commerce & Management

M Phil / PhD Course Work Syllabus (2019)

Course I: 4 Credits

Sr. No.	Unit	Indicative Hours
1	Research - Definition , Types, Expected outcomes of Doctoral Research - Contribution to Knowledge, Practice & Society	1
2	Research Process, Research methods vs. Methodology	1
3	Research Philosophy - Ontology, Epistemology, etc.	1
4	Key concepts - Observation, Facts, Laws, Theories, Induction, Deduction, Assumption, Fallacies, Argumentation, Prediction, Explanation, Development of Models	1
5	Research Paradigms - Positivist, Post Positivist Approach ,	1.5
6	Qualitative & Quantitative Research Approaches, Mixed Mode Research	1.5
7	Research Design	1
8	Exploratory Research Designs	1
9	Descriptive Research Designs	2
10	Experimental & Quasi Experimental Research Designs	2
11	Case Study Research Designs	1
12	Literature Review - Role & Importance	1
13	Literature Review - Sources , Methods, Outcomes	1.5
14	Literature Review - Writing the Review, Use of appropriate language, Referencing styles, Software tools	1.5
15	Defining and formulating the research problem - Selecting the problem - Necessity of defining the problem, research areas in functional and sectoral areas of management	1
16	Formulating the Research Question, Research Problem & Research Objectives	1.5
17	Hypothesis - Meaning, Types, Purpose, Framing the Research Hypothesis	1.5
18	Qualitative Research - In-depth interviews, Focus Groups, Observation, etc.	2
19	Qualitative Research - Ethnography, Grounded Theory	1
20	Primary & Secondary data	1
21	Sampling terminology, Probability & Non probability Sampling Methods	2
22	Sample Size Decisions , Sampling for Qualitative Research & Sampling for Quantitative Research	2
23	Reliability & Validity in Qualitative Research	1
24	Identifying Variables, Levels of Variable measurement, Types of Variables	3
25	Measurement of Attitudes – Scaling Techniques, Multi-item measurement scales, Scale adoption, Scale development	2
26	Reliability & Validity of measures	1

27	Designing the data collection instrument - questionnaire, interview guide, focus group discussion guide, web based questionnaires	2
28	Pilot Study - Objectives, Methods, Sample, Outcomes	2
29	Fundamentals of Statistics, Understanding Normality, Outliers, Non Responses	1
30	Preparing the data for analysis, Processing of Data – Editing – Classification – Coding and Tabulation	1
31	Data Representation - Tables, Graphs,	1
32	Uni-variate Analysis	1
33	Hypothesis Testing	3
34	Bi-variate Analysis	2
35	Multivariate Analysis	4
36	Non Parametric Tests	2
37	Analyzing the Findings & Conclusions , Lining back to the Research Questions & Objectives, Linking back to literature	1
38	Guidelines about Writing the Thesis - Pre writing considerations, Layout, structure and Language of typical reports – Illustrations and tables - Bibliography, referencing and footnotes	1
39	Ethics in research - ethical committees , Informed consent, Commercialization, Copy right, IPR, Plagiarism, Citation , Reproducibility and accountability	1
40	Guidelines about Publishing the research work, Identifying reputed journals, indexing, etc.	1
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