Lesson Plan

Name of the Assistant/ Associate Professor Mrs.Shimpy Mohan

Class and Section: M.COM 2nd SEM

Subject: RESEARCH METHODOLOGY

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| Week | Date | Topics |
| 1 | 1-Jan-18 | Introduction of business research; types of research and process |
| 2-Jan-18 | Introduction of research; research application in business decision. |
| 3-Jan-18 | Formulation of the research problem and development of the research hypothesis; defining research problem theoretical foundation and model building |
| 4-Jan-18 | Formulation of the research hypothesis.. |
| 5-Jan-18 | Characteristics of good research, |
| 6-Jan-18 | Ethics in business research. |
| 7-Jan-18 | Sunday |
| 2 | 8-Jan-18 | Test of types and process of research. |
| 9-Jan-18 | Research design; nature, formulation of the research design -process |
| 10-Jan-18 | Classification of research design ; exploratory research |
| 11-Jan-18 | Classification of research design; secondary resource analysis and two tiered research design. |
| 12-Jan-18 | Classification of research design; descriptive research |
| 13-Jan-18 | Revision |
| 14-Jan-18 | Sunday |
| 3 | 15-Jan-18 | Test of ethics and characteristics of good research . |
| 16-Jan-18 | Experimental research design; factors affecting internal and external validity. |
| 17-Jan-18 | Classification of experimental design. |
| 18-Jan-18 | Data collection, measurement and scaling; secondary data collection method concepts with research application |
| 19-Jan-18 | Benefits and drawbacks of secondary data, evaluation of secondary data methodology check |
| 20-Jan-18 | Evaluation of secondary data; accuracy check topical check, cost benefit analysis. |
| 21-Jan-18 | Sunday |
| 4 | 22-Jan-18 | Test of research design only exploratory and descriptive research . |
| 23-Jan-18 | revision |
| 24-Jan-18 | [Sir Chotu Ram Jayanti](http://www.officeholidays.com/countries/india/haryana/2016.php) |
| 25-Jan-18 | Test of experimental research . |
| 26-Jan-18 | [Republic Day](http://www.officeholidays.com/countries/india/india_republic_day.php) |
| 27-Jan-18 | Classification of secondary data ; internal source of data. |
| 28-Jan-18 | Sunday |
| 5 | 29-Jan-18 | Classification of secondary data ; external source of data . |
| 30-Jan-18 | Qualitative methods of data collection ; distinguishin.g qualitative and quantitative data methods, with research design, objective, data collection, data analysis |
| 31-Jan-18 | Methods of qualitative research; observation method |

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| Week | Date | Topics |
| 1 | 1-Feb-18 | Qualitative methods; content analysis. |
| 2-Feb-18 | Focus group method with types. |
| 3-Feb-18 | Personal interview method and categorization of interview. |
| 4-Feb-18 | Sunday |
| 2 | 5-Feb-18 | Test of test of formulation of research problem . |
| 6-Feb-18 | Secondary data; projective techniques(evaluating sociometric analysis) |
| 7-Feb-18 | Attitude measurement and scaling ; meaning , types, attitude |
| 8-Feb-18 | Classification of scale ( single item vs multiple item, comparative and non comparative |
| 9-Feb-18 | Measurement error and criteria for good measurement . |
| 10-Feb-18 | [Maharshi Dayanand Saraswati Jayanti](http://www.officeholidays.com/countries/india/haryana/2016.php) |
| 11-Feb-18 | Sunday |
| 3 | 12-Feb-18 | Taking 1st assingment |
| 13-Feb-18 | [Maha Shivratri](http://www.officeholidays.com/countries/india/maha_shivarati.php) |
| 14-Feb-18 | Test of secondary data collection methods. |
| 15-Feb-18 | Questionnaire designing; types and procedure |
| 16-Feb-18 | Questionnaire designing; determination the type of question |
| 17-Feb-18 | Physical characteristics of the questionnaire . |
| 18-Feb-18 | Sunday |
| 4 | 19-Feb-18 | Test of qualitative method of data collection. |
| 20-Feb-18 | Sampling design; sampling concepts, sample vs census, |
| 21-Feb-18 | Sampling and non sampling error |
| 22-Feb-18 | Probability sampling design( simple random, systematic , stratified , cluster) |
| 23-Feb-18 | Non probability sampling design( convenience, judgemental,snowball,quota) |
| 24-Feb-18 | Determination of sample size |
| 25-Feb-18 | Sunday |
| 5 | 26-Feb-18 | Test of attitude measurement and scaling . |
| 27-Feb-18 | Data processing ; data editing and coding |
| 28-Feb-18 | Classification and tabulation data. |

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| Week | Date | Topics |
| 1 | 1-Mar-18 | [Guru Ravidas Birthday](http://www.officeholidays.com/countries/india/guru_ravidas.php) |
| 2-Mar-18 | [Holi](http://www.officeholidays.com/countries/india/holi.php) |
| 3-Mar-18 | Test of sampling concepts . |
| 4-Mar-18 | Sunday |
| 2 | 5-Mar-18 | Preliminary data analysis and interpretation; univariate and bivariate and multivariate analysis of data , descriptive analysis of univariate data. |
| 6-Mar-18 | descriptive analysis of bivariate data |
| 7-Mar-18 | Taking 2nd assignment |
| 8-Mar-18 | More on analysis of data. |
| 9-Mar-18 | Testing of hypothesis; concepts of hypothesis , test concerning mean( case of large sample ) |
| 10-Mar-18 | Test concerning the mean( case of small sample ) |
| 11-Mar-18 | Sunday |
| 3 | 12-Mar-18 | Illustration and practical problems of single population mean |
| 13-Mar-18 | Test for difference between the population mean ( large and small both) |
| 14-Mar-18 | Illustration and practical problems. |
| 15-Mar-18 | Test concerning the population proportion and two population proportion. |
| 16-Mar-18 | Analysis of Variance; one- way ANOVA also use SPSS in conducting one way ANOVA |
| 17-Mar-18 | Revision |
| 18-Mar-18 | Sunday |
| 4 | 19-Mar-18 | Illustration and practical problems of ANOVA. |
| 20-Mar-18 | Analysis of variance; two- way also use SPSS conducting of two way ANOVA. |
| 21-Mar-18 | Non parametric test; chi-square test |
| 22-Mar-18 | Chi-square test |
| 23-Mar-18 | [Shaheedi Divas of Bhagat Singh, Raj guru & Sukhdev](http://www.officeholidays.com/countries/india/haryana/2016.php) |
| 24-Mar-18 | Test of data processing. |
| 25-Mar-18 | Sunday/ [Ram Navami](http://www.officeholidays.com/countries/india/ram_navami.php) |
| 5 | 26-Mar-18 | Illustration and practical problems of chi-square test |
| 27-Mar-18 | One and two sample sign test |
| 28-Mar-18 | Illustration and practical problems |
| 29-Mar-18 | [Mahavir Jayanti](http://www.officeholidays.com/countries/india/mahavir_jayanti.php) |
| 30-Mar-18 | Test of testing of hypothesis. |
| 31-Mar-18 | Mann-whitney U test and wilcoxon sign rank test. |

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| 1 | 1-Apr-18 | Sunday |
| 2-Apr-18 | Illustration and practical problems. |
| 3-Apr-18 | Kruskal – Wallis test |
| 4-Apr-18 | Illustration and practical problems. |
| 5-Apr-18 | Advance data and analysis techniques: correlation and regression, test of significance of the correlation coefficient |
| 6-Apr-18 | Regression analysis |
| 7-Apr-18 | Illustration and practical problems. |
| 8-Apr-18 | Sunday |
| 2 | 9-Apr-18 | Test of univariate and bivariate analysis of data |
| 10-Apr-18 | Factor analysis :use and steps in factor analysis |
| 11-Apr-18 | Discriminant analysis: objective and uses |
| 12-Apr-18 | Discriminant analysis: model ,test for differences in group mean, significance of discriminant function model |
| 13-Apr-18 | Revision |
| 14-Apr-18 | [Dr Ambedkar Jayanti](http://www.officeholidays.com/countries/india/ambedkar_jayanti.php) / [Vaisakhi](http://www.officeholidays.com/countries/india/haryana/2016.php) |
| 15-Apr-18 | Sunday |
| 3 | 16-Apr-18 | Test of non parametric test |
| 17-Apr-18 | Revision |
| 18-Apr-18 | [Parashurama Jayanti](http://www.officeholidays.com/countries/india/2016.php) |
| 19-Apr-18 | Test of correlation and regration analysis |
| 20-Apr-18 | Cluster analysis: technique usage statistics associated with cluster analysis |
| 21-Apr-18 | Cluster analysis: process of clustering ,metric data, non metric data |
| 22-Apr-18 | Sunday |
| 4 | 23-Apr-18 | Test of factor analysis |
| 24-Apr-18 | Revision |
| 25-Apr-18 | Revision |
| 26-Apr-18 | Test of discriminant analysis |
| 27-Apr-18 | Revision |
| 28-Apr-18 | Test of cluster analysis |