



Hemchandracharya North Gujarat University, Patan

PH.D. COURSE WORK SYLLABUS

SUBJECT : COMMERCE

Scheme & Course

Sr.	Paper	Nomenclature	Credits	Marks
1.	Paper-I-COM-CW-101	Research Methodology	04	70+30
2.	Paper-II-COM-CW-102	Advance Course in Commerce	04	70+30
3.	Paper-III-COM-CW-103	Computer Applications to the subject	04	70+30
4.	Paper-IV-COM-CW-104	Review of published research in the relevant field	04	70+30
5.	Paper-V-COM-CW-105	Comprehensive Viva	04	100

Notes:

1. The candidate has to obtain a minimum of 55% of marks or its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. programme.
2. If candidate obtains 'F' or 'Ab.' grade in the course/ subject. He/ she will be treated to have failed in that course. He/ She has to reappear in the examination in the next semester.

Paper-I	COM-CW-101	Research methodology	Credit-4	(70+30)
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1. Meaning of research in Commerce : Type of Research (descriptive vs analytical, fundamental vs. applied qualitative vs. Quantitative conceptual vs. empirical, empirical vs. simulation based, conclusion oriented vs. decision oriented, historical vs. a historical etc.
2. Development of induction and deduction, scientific methods, Paradigm shift, Radical Thoughts, Objectivity in Research, Ethics in Research, analysis of historical records, participant or non participant observation, mass observation, questionnaires, personal interviews , group interviews, case studies, small group study.
3. Formulation of research problem- identification and rationalization of the problem, development of working hypothesis, preparation of research design, investigation in availability of information, sampling design, error, minimization, evaluation of time and cost, measurement scales collection of information.
4. Processing of collected information, interpretation and generalization, systemization of findings, writing of report, reference and bibliography.
5. Simple concept of probability and theoretical frequency distribution (Binomial. Normal & poison.)

Reading List:

1. J.K. Sachdeva; Business Research methodology, Himalaya Publication.
2. P.C.Tripathi; A textbook of research methodology in social Sciences, saltan Chand & Sons.
3. Goodie William Hatt Paul K; methods in Social Research, McGraw Hill Bokk Company.
4. Bhattacharya D.K. research methods, Excel Books.
5. Scother A Miller 2007 Development Research methods, Sage Publication.




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Course Content-

1. Understanding Review of Literature : Relevance, Approach and Applications ; Developing an outline for the literature review; Formulate Key questions for review.
2. Organizing the theoretical basis for the Research Question, Searching for locating and organizing relevant professional.
3. Conducting the Review: Abstract relevant information from appropriate studies in a systematic manner: Critically reviewing the literature, Rate the Scientific quality of each study and the level of evidence for each question;
4. Synthesizing the Review; create evidence tables and summary tables; interpret the pattern of evidence in terms of strength and consistency; summarize the Studies' findings.
5. Writing the review : Writing a first draft writing references and citations; obtaining giving and making productive use of feedback; the redrafting process, professional formatting.

Reference:

1. Sara Efrat Efron, Ruth Ravid; Writing the Literature Review; A Practical Guide, Guilford Press; addition 2018.
2. Ridley. The Literature Revire, Edition : 2 Rev ed. Publisher : Sage Publications..
3. Lawrence A Machi, Brenda t. McEvey: The Literature Review: Six Steps to Success, Corwin, SAGE Publication

Paper-III COM-CW-103 Computer Applications to the subject**Credit-4 (70+30)**

Basic Knowledge of application softwares in MS-Office with focus on.

1. MS Word its features and applications related to presentation of text in decent formate and saving the same for further use. The practical knowledge of this software should enable the candidate to type and Prepare the thesis in a presentable format.
2. MS. Excel-construction of worksheet and inserting data according to its characteristics use of statistical tools and their presentation in the form of charta and graphs.
3. MS. Power point- Create power point presentation on topic related to the theme of thesis and use of different presentation techniques.
4. Use of SPSS- Method of preparing data sheet and entering data according its characteristics tools on SPSS.
5. Use of Internet for research work and exploding various websites and search engines for collecting quality literature review and secondary data etc related to thesis work.

Reference:-

1. Ashok Arora, Computer Funamentals and Applications Vikas Publication.
2. Satish Jain Basic Computer Made Sample, BPS Publication
3. Verma J.P. Data Analysis in Management with SPSS Software, Springer Publication.
4. William Edward Wagner: Using IBM SPSS Statistics for Social Statistics and Resarch Methods, SAGE Publication.
5. Advance ourse for Commerce Research

Course Content:-

1. Statistical tools/ methods for research- for university and bivariate analysis Measures of Central Tenencies, Measures of dispersion correiation regression.
2. Permutation of Hypothesis- Criteria of a good hypothesis, types of research hypothesis, Null hypothesis, alternative hypothesis, advantaged of Hypothesis testing Procedure, Types I and II Error.
3. Parametric & Non Parametric Test-Concept And Procedure one sample parametric tests, two sample parametric tests-Test of significance for large and and small samples- 't' Test, ANOVA-One way and two way.
4. Financial analysis tools and techniques ratio analysis BEP analysis,



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5. E-commerce tools & techniques : E-commerce framework, application Electronic Payment System (EPS) & Its types, smart cards and credit cards electronic data interchange (EDI). Value added network e-commerce catalog's or directories mobile commerce.

Reference:-

1. James D.Miller : Statistics for data Science Pacht.
2. Robert J.Woz : Data Analytics for Beginners : A Beginner's Guide to Learn and Master Data Analytics : kindle Edition.
3. Fundamental of mathematics statistics : S.K.Gupta and V.K. Kapoor.

Paper-IV COM-CW-104 Review of Published research in the relevant field Credit-4 (70+30)

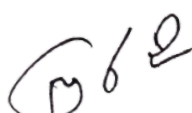
For this paper candidates will have to review literature in an area of research, prepare a research proposal and submit a report to the University at the end of the course work. The selection of the problem and preparation of the proposal will be in consultation with research guide.

Paper-V COM-CW-105 Comprchensive viva voce Credit-4 (100)

Candidate will face a Comprehensive Viva-Voce of 4 credits on the subject of Research Methodology, Advanced Course in Commerce and literature review report submitted to the university. The Presentation will have to be made by the candidate and it will need to be prepared in consultation with research guide.

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