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MAHARAJA SUHEL DEV STATE UNIVERSITY

AZAMGARH

PRE- PH.D. COURSE WORK SYLLABUS, PSYCHOLOGY

UNDER CHOICE BASED CREDIT SYSTEM

[NEP – 2020]



SUBMITTED BY

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Programme Objective – The Pre- Ph.D. course work is aimed to fill the gap between Academia and Industry. It will focus on developing the practical usage of psychological theories/models. It aims to familiarize the students with the computer and statistical packages.

Programme Outcome – It will enable students to meet the market requirement of advanced research. At the end of this course student will be able to analyze, evaluate and interpret data using SPSS. It will help students to design research of social relevance.

Structure of Pre- Ph.D.-Course Work

Semester	Course Code	Paper/Course Title	Nature of Course (Theory/Practical)	Credits
XI	A091101T	Research Methodology	Theory (Compulsory)	04
	A091102T	Test Construction in Psychology	Theory (Compulsory)	06
	A091103T	Psychological Statistics	Theory (Compulsory)	06
	A091104R	Major Research Project	Research Project (Compulsory)	Non-Credit/Qualifying

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PGDR
PSYCHOLOGY
Course - 1

Name of the Academic Programme/Class	PGDR in Psychology (Pre- Ph.D. Course - Work)	
Subject	Psychology	
Course/Paper Code	A091101T	
Nature of Course/Paper	Theory (Compulsory)	
Course/Paper Title	Research Methodology	
Credit Assigned:	04	
Course Objective	Aims to impart theoretical as well as practical knowledge about the advance research concept and designs.	
Course Outcomes	<p>After completion of this course student will be:</p> <ul style="list-style-type: none"> • Able to design his sample as per the research area. • Able to formulate the research designs as per the research problem • Able to apply information and communication technology (ICT) in research. 	
Unit	Topic	Number of Lectures (In Hours)
I	Research: concept and criteria of scientific research. Types of Psychological research: Qualitative vs Quantitative, Descriptive vs Analytical, Conceptual vs Empirical research. Problems encountered by researchers in India.	10
II	Process of Research: Research problem, Importance of literature review in research. Ethical issues in psychological research.	10

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III	Sample: Concept of Population and Sample, Purpose of Sampling. Sampling Techniques- Probability and Non-Probability. Sampling Errors.	10
IV	Research Designs: Meaning and Types- Experimental, Non-Experimental, Quasi-Experimental. Basic Principles of Experimental Design. Significance of Control in Experimental Design.	10
V	Report Writing: Purpose and Significance of Report Writing, Difference Between Research Report and Research proposal. Structure of a Research Report Referencing Style (APA). Ethical Issues Related to Publishing. Plagiarism, Self-Plagiarism.	10
VI	Elementary Knowledge of Computers: Uses of Computer in Psychological Research. Introduction of M.S Office- (Word, Excel, Power Point). Data Analysis Softwares: SPSS,SEM.	10
Course Pre-Requisites	This course is only for those students who have done Master in Psychology.	
Suggested Readings :		
<ol style="list-style-type: none"> 1. Broota, K.D. (1992). Experimental Design in Behavioural Research, Wiley Eastern, New Delhi. 2. Field, A. (2005). Discovering statistics using SPSS. London: Sage Publications 3. Guilford J P. (1954). Psychometric Methods, McGraw Hill, Inc., New York. 4. George, D. & Mallery, P. (2012). SPSS for Windows step by step. India, Pearson. 5. J.A. Gliner, G.A. Morgan, & N.L. Leech. (2009). Research methods in applied setting: An integrated approach to design and analysis, 2ed., New York: Routledge (Taylor and Francis Group). 6. Kerlinger, Fred.N. (1973). Foundation of behavioural research, 2nd Edition, New York, Holt Rinehart & Winston. 7. Kothari, C.R. & Garg, G. (2019). Research Methodology- Methods & Techniques, 4ed., New Age International (p) Ltd. New Delhi. 8. Robert, H.O. (2006). Handbook of Univariate and multivariate data analysis and interpretation with SPSS. NY: Chapman and Hall/CRC (Taylor and Francis Group). 9. Tabachnick B.G. &, Fidell, L.S. (2007). Using Multivariate Statistics, 5ed., Prentice Hall. 		

10. Walliman, N. (2001). Your research project: A step by step guide for the first time researcher. London: Sage

11. श्रीवास्तव, डी. एन. (2002). मनोवैज्ञानिक अनुसंधान एवं मापन, श्री विनोद पुस्तक मंदिर आगरा।

12. त्रिपाठी, एल. बी., अग्रवाल, ऐ., मिश्रा. एवं श्रीवास्तव, ऐ. एन.। (2002). मनोवैज्ञानिक अनुसंधान पद्धतियाँ। हर प्रसाद भार्गव पब्लिकेशन, आगरा।

**Suggested Equivalent
Online Courses**

- Swayam <https://swayam.gov.in/>
- Udemy <https://www.udemy.com/>

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Course - 2

Name of the Academic Programme/Class	PGDR in Psychology (Pre- Ph.D. Course - Work)	
Subject	Psychology	
Course/Paper Code	A091102T	
Nature of Course/Paper	Theory (Compulsory)	
Course/Paper Title	Test Construction in Psychology	
Credit Assigned:	06	
Course Objective	This paper aims to cultivate an understanding of the psychological tests and its developmental criteria. It will help them to understand the psychometric properties of the test.	
Course Outcomes	<p>After the course completion the student will be:</p> <ul style="list-style-type: none"> • Able to write and analyse items for test construction. • Able to have a deep understanding about the reliability, validity and Standardization of the test. • Able to construct psychological tests. 	
Unit	Topic	Number of Lectures (In Hours)
I	Meaning, Nature ,Uses and Administration of Psychological test, Criteria of good psychological Test.	15
II	Types of Psychological Test: Classification of Psychological Tests.	14
III	Test Construction: Steps of test construction, standardization of the Test and Norm development.	16

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IV	Item Analysis: Meaning and Purpose, Steps of Item Analysis Process- Distractor Analysis, Item Difficulty, Discriminating Power, Difficulties of Item Analysis.	15
V	Reliability of Test: Methods of Determining Reliability- Test-Retest, Parallel Form, Split-half and Rational Equivalence Methods, Concept of Cronbach Alpha (r).	15
VI	Validity of Test: Meaning and Types: Methods of Estimating Validity- Correlation, Factor Analysis, Observation, Expert's Review and Actual Performance Methods.	15
Course Pre-Requisites	This course is only for those students who have done Master in Psychology.	
Suggested Readings :		
<ol style="list-style-type: none"> 1. Anastasi, Anne & Urbina S. (1997). Psychological Testing (6th Edn.) London: Mac Millan Publishing Company. 2. Freeman, Frank. S. (1971). Theory and Practice of Psychological Testing. New Delhi : Oxford & IBH Publishing Co. Pvt. Ltd. 3. Gregory, R. J. (2004). Psychological Testing. Pearson Education. 4. Kaplan, R. M. & Saccuzzo, D. P. (2013). Psychological Assessment and Theory. Cengage Learning. 5. Gregory, R.J. (2014). Psychological Testing: History, Principles and Applications, 6ed., New Delhi: Pearson India Education. 6. Singh, A.K. (2006). Tests, Measurement and Research Methods in Behavioral Sciences. Patna: Bharti Bhawan. 7. श्रीवास्तव, आर. तथा अन्य (1999). मनोवैज्ञानिक एवं शैक्षिक मापन, मोतीलाल बनारसीदास वाराणसी । 8. श्रीवास्तव, डी. एन. (2002). मनोवैज्ञानिक अनुसंधान एवं मापन, श्री विनोद पुस्तक मंदिर आगरा । 9. श्रीवास्तव, डी. एन. एवं श्रीवास्तव, वी.एन. (2009). मनोवैज्ञानिक निर्धारण, श्री विनोद पुस्तक मंदिर आगरा । 		
Suggested Equivalent Online Courses	<ul style="list-style-type: none"> • Swayam https://swayam.gov.in/ • Udemy https://www.udemy.com/ 	

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PGDR

PSYCHOLOGY

Course - 3

Name of the Academic Programme/Class	PGDR in Psychology (Pre- Ph.D. Course - Work)	
Subject	Psychology	
Course/Paper Code	A091103T	
Nature of Course/Paper	Theory (Compulsory)	
Course/Paper Title	Psychological Statistics & SPSS	
Credit Assigned:	06	
Course Objective	This paper aims to cultivate an understanding of nature of data, variability of data and its entry in SPSS. It also aims to develop the theoretical understanding of the parametric and non- parametric statistical tools used in psychological research.	
Course Outcomes	<p>After completion of the course student will:</p> <ul style="list-style-type: none"> • Be able to develop an insight for selection of appropriate statistical tools for research. • Develop working knowledge of SPSS in psychological research. 	
Unit	Topic	Number of Lectures (In Hours)
I	Concept, Nature and Use of Statistics in Psychological Research, Types- Inferential and Differential Statistics.	15
II	Variable and Data: Variable and its Types, Nature and types of Data, Variable and Data Entry using SPSS. Graphical Representation of Data using SPSS,	15
III	Measures of Central Tendency: Mean Median and Mode. Measures of Variability- S.D, Q.D, and A.D. by SPSS.	15

IV	Meaning and Nature of NPC: Normality Check of Data using SPSS. Kurtosis and Skewedness.	14		
V	Parametric Statistical Methods: Assumption and Different Types: t-test, ANOVA and Pearson Product Moment Correlation. Computing Parametric Statistics with SPSS.	16		
VI	Non-Parametric Statistical Methods: Features and Assumptions: Mann Whitney, Kruskal Wallis, Chi Square and Median Test. Computing Non-Parametric Statistics with SPSS.	15		
Course Pre-Requisites	This course is only for those students who have done Master in Psychology.			
Suggested Readings :				
<p>1. Field, A. (2005). Discovering statistics using SPSS. London: Sage Publications.</p> <p>2. Guilford, J.P. (1936). Psychometric Methods. London: McGraw Hill Publishing Company.</p> <p>3. Garrett, H. E. (1966). Statistics in Psychology and Education. Paragon International Publishers.</p> <p>4. Asthana, H.S. & Bhushan, B. (2007). Statistics for Social Sciences (With SPSS Application). Prentice Hall of India, New Delhi.</p> <p>5. Singh, A.K. (2006). Tests, Measurement and Research Methods in Behavioral Sciences. Patna: Bharti Bhawan.</p> <p>6. लाल. जे. एन. (1999). मनोविज्ञान एवं शिक्षा में सांख्यिकी। नीलकमल प्रकाशन गोरखपुर।</p> <p>7. मीशा, बब्बन एवं त्रिपाठी, लाल बचन. (1994). मनोवैज्ञानिक सांख्यिकी। हर प्रसाद भार्गव आगरा।</p> <p>8. श्रीवास्तव, रामजी एवं अन्य. (2003). मनोविज्ञान, शिक्षा तथा समाजशास्त्र में सांख्यिकी विधियां। मोतीलाल बनारसीदास वाराणसी।</p> <p>9. सिंह, आर०. एन०. एवं भाटिया, टी०. (2018). आधुनिक सांख्यिकीय विधियां। अग्रवाल पब्लिकेशन आगरा।</p> <p>10. श्रीवास्तव, डी० एन०., एवं वर्मा, पी०. (2012). मनोविज्ञान शिक्षा एवं अन्य सामाजिक विज्ञानों में सांख्यिकी। विनोद पुस्तक मन्दिर आगरा।</p>				
Suggested Equivalent Online Courses	<ul style="list-style-type: none"> • Swayam https://swayam.gov.in/ • Udemy https://www.udemy.com/ 			

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PGDR

PSYCHOLOGY

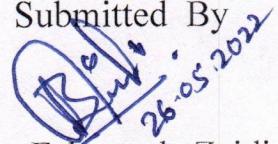
Course – 4

Name of the Academic Programme/Class	PGDR in Psychology (Pre- Ph.D. Course - Work)
Subject	Psychology
Course/Paper Code	A091104R
Nature of Course/Paper	Research Project (Compulsory)
Course/Paper Title	Major Research Project
Credit Assigned:	Non-Credit/Qualifying
Course Objective	The main objective of the present major research project is to train the students in the area of conducting psychological research.
Course Outcomes	The completion of this major research project will go a long way in building a broad look about undertaking such project, framing of it's objectives, planning, decision, execution of suitable methods of research and intended data analysis.
<p>Note: Major Research Project is compulsory. Students will have to opt the topic for the major research project with the consent of Research Project Supervisor. So, there is no need to separate syllabus for major research project.</p>	
Course Pre-Requisites	This course is only for those students who have done Master in Psychology.
<p>Suggested Readings :</p> <ol style="list-style-type: none"> 1. Supervisor will provide the reading material to the students. 	

SYLLABUS DEVELOPED BY:

S.N.	NAME	DESIGNATION	DEPARTMENT	UNIVERSITY/COLLEGE
1	DR. FAHMEEDA ZAIDI	• CONVENER • HEAD	PSYCHOLOGY	• MSDSU, AZAMGARH • SNPG COLLEGE AZAMGARH
2	DR. QAZI ASIM ALAM	ASSISTANT PROFESSOR	PSYCHOLOGY	SNPG COLLEGE AZAMGARH
3	DR. DARAKHSHAN PARVEEN	ASSISTANT PROFESSOR	PSYCHOLOGY	SNPG COLLEGE AZAMGARH

Submitted By



26/05/2022

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