



Hemchandracharya North Gujarat University, Patan

PH.D. COURSE WORK SYLLABUS

SUBJECT : PSYCHOLOGY

Scheme & Course

Sr.	Paper	Nomenclature	Credits	Marks
1.	Paper-I-PSYCH-CW-101	Research Methodology	04	70+30
2.	Paper-II- PSYCH-CW-102	Advance Course in Psychology	04	70+30
3.	Paper-III- PSYCH -CW-103	Computer Applications in the subject	04	70+30
4.	Paper-IV- PSYCH-CW-104	Review of published research in the relevant field	04	70+30
5.	Paper-V- PSYCH-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	PSYCH-CW-101	Research Methodology	Credit-4 (70+30)
UNIT-I	Cognitive Psychology: Individual differences in Cognition; Gender differences in Cognition; Cognition in Cross-cultural perspective.		
UNIT-II	Military Psychology: Nature and Scope; Contemporary Issues and Emerging Trends; Selection, Allocation and Training.		
UNIT-III	Media Psychology: Nature and scope; Influences of Films on behavior; Portrayal of Social groups in Films; Films and Behavior transformation.		
UNIT-IV	Political Psychology: Psychologies underlying Political Psychology; Psychology of Racism and Intolerance; Psychology of voting behavior.		

References:

- ⇒ Broota K.D. (1989). Experimental Design in Behavioural Research. New Delhi: Willey Eastern Giles, D.C. (2002). Advanced Research Methods in Psychology. New York: Rutledge.
- ⇒ Hair, J.F., Anderson, R.E., Tatham, R.L., & Black, W.C. (1995). Multivariate Data Analysis. Jersey: Prentice Hall.
- ⇒ Kline, T.J.B. (2005). Psychological Testing. New Delhi: Vistaar Publications. Mc Burney, D.H. (1994). Research Methods. California: Brooke/Cole.
- ⇒ McGuigan, F.J. (1993). Experimental Psychology Methods of Research. New Delhi: Prentice Hall .
- ⇒ Nachmias, D., & Nachmias, C. (1981). Research Methods in Social Sciences. New York: St. Martin's Press.
- ⇒ Ray, W.J. (2003). Methods. California: Thomson Wordsworth
- ⇒ Shaughnessy, J.J. and Zechmeister E.B. and Zechmeister, J.S. (2000) Research Method in Psychology. New York: McGraw Hill.
- ⇒ Smith, J.A. (2003). Qualitative Psychology. London: Sage Publications



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- ⇒ Smith, J.A.(2008). Qualitative Psychology: A practical Guide to Research Methods. New Delhi: Sage.
- ⇒ Spences, B. and Bowers, D (1976). An Introduction to Multivariate Techniques for Social and Behavioral Sciences. London: The Macmillan Press Ltd.
- ⇒ Tabachnick, B.G.& Fidell L.S. (1983). Using Multivariate Statistics. New York: Harper and Row
- ⇒ Winer, B.J. (1971). Statistical Principles in Experimental Design. London: McGraw Hill, Ltd.

Paper-II	PSYCH-CW-102 Advance Course in Psychology	Credit-4 (70+30)
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- UNIT-I** Psychological measurement: Meaning; Theory; Levels and problems in measurement. Psychological scaling: Methods and applications: Paired comparison; Rank order; Equal appearing intervals.
- UNIT-II** Test Construction and Standardization: Planning; Item composition; Quantitative and qualitative item analysis; Developing norms and cut scores.
- UNIT-III** Reliability: Meaning; Types; Methods and estimate and factors affecting. Validity: Meaning; Types; Procedures and factors affecting.
- UNIT-IV** Factor Analysis: Assumptions; Methods; Rotation of factors; Interpretation and major pitfalls. Applications of Psychological testing: Clinical, Guidance & Counselling Organizational.

References:

- ⇒ Chadda, N.K. (2009). Applied Psychometry. New Delhi: Sage Publication.
- ⇒ Guilford, J.P. (1984). Psychometric Methods. (2nd Ed.), New York: Mc Graw Hill.
- ⇒ Heloday, R.D.(2012). Basics of Research in Behavioural Sciences. Wardha: Psycho scan.
- ⇒ Husain, A. (2012). Psychological Testing. Delhi: Pearsons.
- ⇒ Miller, L.A., McIntire, S.A., & Lovler, R.L. (2011). Foundations of Psychological Testing. London: Sage Publications, Inc.
- ⇒ Nunnalley, J.C., & Bernstein, I.H. (2010). Psychometric Theory. New Delhi: Tata McGraw Hill.
- ⇒ Raykov, T., & Marcoulides, G.A. (2011). Introduction to Psychometric Theory. New York: Taylor & Trancies Group.
- ⇒ Singh, A.K. (2006). Tests, Measurements and Research Methods in Behavioural Sciences. Patna: Bharti Bhawan.

Paper-III	PSYCH-CW-103 Computer Applications to the subject	Credit-4 (70+30)
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Each student will be familiarized with calculation procedure and Tabulations of results of the following statistical analysis using Statistical/ SPSS software. Evaluation of will be on the basis of Performance, Report and Viva.

- Computation of ANOVA - Independent and equal N (two way and three way); Repeated Measures (One way and two way) with repeated measures on one and both factors with post hoc analysis.
- Computation of Correlation – Bivariate, Multivariate, Partial
- Computation of Regression - Simple, Multiple

Paper-II	PSYCH-CW-104 Review of Published research in the relevant field	Credit-4 (70+30)
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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	PSYCH-CW-105 Comprhensive viva voce	Credit-4 (100)
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Candidate will face a Comprehensive Viva-Voce of 4 credits on the subject of Research Methodology, Advanced Course in Psychology 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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