UTTARANCHALUNIVERSITY

**Premnagar, Dehradun,
Uttarakhand-248007, INDIA**

Detailed Course Structure & Syllabus
of
**Pre- Ph.D. (Psychology)
Course Work**
(As Per CBCS System)

Batch: 2022-23 Onwards

Course Structure of the Pre Ph. D. (Psychology) Course Work:
Applicable for Batch: 2022- 23

SCHEME OF EXAMINATION
Ph. D. (Psychology)
(Effective for Academic Year: 2022- 23)

Under Choice Based Credit System (CBCS)

Scheme of Pre-Ph.D. Course Work

S.No	Course Code	Subject	Credits	Period			Sessional			Examination	
				L	T	P	CT-I	CT-II	Total	ESE	Sub. Total
Courses											
1.	RM-101	Research Methodology	4	4	0	0	20	20	40	60	100
2.	RM-102	Computer & Stats Application in Research	2	2	0	0	20	20	40	60	100
3.	RPE-103	Research & Publication Ethics	2	2	0	0	20	20	40	60	100
4.	DSE-104	Discipline Specific Electives	3	3	0	0	20	20	40	60	100
5.	RS-105	Seminar Presentation	2	0	0	4	20	20	40	60	100
		Total	**13**	**11**	**0**	**4**	**100**	**100**	**200**	**300**	**500**

List of Electives

S. No.	Course Code	Course Name
1	PL- 104 (A)	**Concepts of Advanced Psychology**
2	PL- 104 (B)	**Applied Psychology**

SYLLABUS

of

Ph. D. (PSYCHOLOGY)

Name of Department	School of Liberal Arts		
Program Name	**Pre-Ph.D. Course Work**	Program Code	23
Course Code	RM 101	Credit	4
Year/Sem	1/1	L-T-P	4-0-0
Course Name	**Research Methodology**		

Objectives of the Course:
1. To Equip the Students with the Concept and Methodology of Research.
2. To provide knowledge about type of research, preparation of reports and thesis, designing of Research using Scientific Methods.

UNIT I-

Introduction to Research: Definition, Nature and significance, Role and Objectives; Types of Research: exploratory, descriptive, experimental and diagnostic research, social and legal research and traditional, analytical, empirical & fundamental research, Doctrinal and non-doctrinal research methods; Various Research Designs; Scientific Research Process: Overview, Problem identification and formulation of research statement.

UNIT II-

Data Collection: sources, primary and secondary methods, significance of Primary and Secondary Data,   questionnaire Vs. schedules; Data Processing: Editing, Coding Organization and Presentation; Attitude Measurement and scaling: Measurement Scales, Sources of Errors in Measurement, Techniques of Developing Measurement Tools, Classification and Testing (Reliability, Verification and Validity) Scales, Designing Questionnaires and Interviews.

UNIT III-

Sampling, Sampling Methods, Sampling Plans, Sampling Error, Sampling Distributions: Theory and Design of Sample Survey, Census Vs Sample Enumerations, Objectives and Principles of Sampling, Types of Sampling, Sampling and Non-Sampling Errors, Concept of Permutation, Combination & Probability for research analysis.

UNIT IV-

Interpretations and Report Writing: Meaning of Interpretation, Techniques of Interpretation, Precautions in Interpretation, Significance of Report Writing, Steps in Report Writing, Layout

of Report and Precautions in Writing Research Reports. Limitations of RM: Ethics in Research, Philosophical Issues in Research.

Course Outcomes (CO):

RM 101 CO1. Acquire in-depth knowledge of various fundamentals, theories and principles related to the research and apply the acquired knowledge in carrying out research studies in the area of interest.

RM 101 CO2. Identify, formulate and critically investigate research problems by applying research-oriented knowledge and analyze relevant data to reach certain conclusions in the form of alternative solutions to these problems.

RM 101 CO3. Apply the acquired knowledge and skills to develop minds to think out of the box while carrying out research operations to conclude something.

RM 101 CO4. Apply parametric and non-parametric statistical tests to verify the developed hypothesis to suggest innovative solutions to the problem being investigated.

Textbook & References:

- Zikmund, William G. "Business Research Methods", Orlando: Dryden Press.
- Emory, C. William and Cooper R. Donald, "Business Research Methods", Boston: Irwin.
- Kerlinger, Fred N. "Foundations of Behavioural Research", New Delhi: Surjeet Publications.
- Malhotra, Naresh. "Marketing Research: An Applied Orientation", Pearson Publication.
- David Nachmias and Chava Nachmias, "Research Methods in the Social Sciences", New York: St.Marlia's Press.
- Bhattacharya, D. K. (2004). Research Methodology, New Delhi, Excel Books.

Name of Department	School of Liberal Arts		
Program Name	**Pre-Ph.D. Course Work**	Program Code	23
Course Code	RM 102	Credit	2
Year/Sem	1/1	L-T-P	2-0-0
Course Name	**Computer & Statistics Application in Research**		

Objectives of the Course:
 1. To appraise computational skills for research application.
 2. To assess statistical method for research analysis.

UNIT I- Characteristics of Computers, Evolution of computers, computer memory, computer generations, Basic computer organization; System software, Application software, introduction to operating system, single user, multi-user, multi-tasking single tasking, application of computer for business and research, MS-windows, Linux .Application of Internet in research : INFLIBNET, Use of Internet, sights (DOAJ), Use of E Journals, Use of E library, use of EBSCO HOST online database of Academic Libraries. Subject/field specific tools on www.freeware.com

UNIT II- Computer Application in Research,. Basic concept of Computer, Use of Internet for Research Purpose: E-mail, WWW, Web browsing, technical skills, drawing inferences from data, Research publishing tools-MS Word, Adobe acrobat, Graphics tool-MS Excel, Presentation tool-MS Power, Data Analysis Software and Analysis Techniques point. Creating presentation and adding effects, Introduction to Data analysis software-SPSS: Definition, objectives and features, data analysis using SPSS.

UNIT III- Statistical methods for research application in analysis of data,Measurement in Research , data interpretation, Measures of Central Tendency, Measures of Dispersion, Measures of Asymmetry (Skewness), std deviation, Measures of Relationship, Simple Regression Analysis, Correlation and Regression, Partial Correlation.

UNIT IV- Statistical Tools-Hypothesis and Hypothesis Testing: Parametric & Non-Parametric Tests, Important Parametric Tests ,Hypothesis Testing of Correlation Coefficients ,U Test, Chi Square Test, ,T-Test.Analysis of Variance (ANOVA) , The Basic Principle of ANOVA ,ANOVA Technique, Setting up Analysis of Variance Table, Short-cut Method for One-way ANOVA, Coding Method, Two-way ANOVA .

Course Outcomes (CO):

RM 102 CO1. Acquire knowledge of concept of computer with application in Research.
RM 102 CO2. Apply acquired knowledge of computer for presentation skills.
RM 102 CO3. Acquire knowledge of statistical methods for Research.
RM 102 CO4. Apply acquired knowledge to describe the inductive nature of quantitative data analysis.

Textbook & References:

- Kothari, C. R. "Research Methodology: Methods and techniques", New Delhi: Vishwa Prakashan.
- Brymann, Alan and Carmer, D. (1995). Qualitative data analysis for social scientist, New York, Routledge Publication.
- Jain, Satish. (1990). "Introduction to Computer Science and basic Programming." New Delhi: BPB Publications.
- Rajaraman, V. (1996). "Fundamental of Computers", New Delhi: Prentice Hall of India.

Name of Department	School of Liberal Arts		
Program Name	**Pre-Ph.D. Course Work**	Program Code	23
Course Code	RPE 103	Credit	2
Year/Sem	1/1	L-T-P	2-0-0
Course Name	**Research & Publication Ethics**		

Objectives of the Course:
Its objective is to provide knowledge about ethics and code of research publication with concept of plagiarism.

UNIT I-

1. 1 Introduction to philosophy: definition, nature and scope, concept, branches

1.2 Ethics: definition, moral philosophy, nature of moral judgments and reactions

UNIT II-

Ethics with respect to science and research

Intellectual honesty and research integrity

Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)

Redundant publications: duplicate and overlapping publications, salami slicing

Selective reporting and misrepresentation of data

UNIT III-

Publication ethics: definition, introduction and importance

Best practices/ standards setting initiatives and guidelines: COPE, WAME,etc.

Conflicts of interest

Publication misconduct: definition, concept, problems that lead to unethical behaviour and vice-versa types

Violation of publication ethics, authorship and contributorship

Identification of publication misconduct, complaints and appeals

Predatory publishers and journals

UNIT IV-

Open Access Publishing

Open access publications and initiatives

SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies

Software tool to identify predatory publications developed by SPPU

4.4 Journal finder/ Journal suggestion tools viz. JANE, Elsevier Journal finder, Springer Journal Suggester, etc.

Course Outcomes (CO):

RPE 103 CO1 Recognize the basics of philosophy of science & ethics, research integrity, publication ethics and theories of research ethics.
RPE 103 CO2 Familiarize with important issues in research ethics, research integrity, scientific misconduct and misinterpretation of data.
RPE 103 CO3 Analyze the best practices for publications, publication ethics and identify the predatory publishers & journals.
RPE 103 CO4 Demonstrate &use plagiarism software tools, open-source software tools, citation databases and research metrics.
RPE 103 CO5 Publish credible & scholarly publications in reputed peer-reviewed journals.

Textbook & References:

- Dutta, Dr Sumanta. (2021). Research and Publication Ethics, Bharti Publications.
- Yadav, Santosh Kumar. (2020). Research and Publication Ethics, Dr. Anne Publications.

Name of Department	School of Liberal Arts		
Program Name	**Pre-Ph.D. Course Work**	Program Code	23
Course Code	RS 105	Credit	2
Year/Sem	1/1	L-T-P	0-0-4
Course Name	**Seminar Presentation**		

Objectives of the Course:
Main objective of this course is to develop presentation skills in the scholars and knowledge about review of literature so that they can review properly for utilisation in their research work.

Seminar Presentation- Candidate/Research Scholar has to go through the review of literature in the concerned field of research. Review of literature guidelines will be given by the concerned faculty/Dean of Department/School/College. Research Scholar has to prepare presentation on review of literature in the concerned field/ topic assigned by the department (DRC) periodically during course work. There will be minimum 3 presentations of review of literature during pre- Ph.D. course work.

- First presentation will be required in DRC/FRC for review of literature with concerned Department focus on area of research. It will be evaluated and assessment sheet will be sent from Department to Dean Research & Studies office.
- Similarly second presentation will be required by research scholar with extension of first presentation and more number of references would be added.

Internal & end term examination marks will be as per scheme. Each presentation is to be assessed by the department as per instructions from Dean-Research & Studies.

 Final presentation would be required at the time of end term/sem. examination on proposed synopsis. General guidelines would be issued by Dean-Research for seminar presentation.

Course Outcomes (CO):

RS 105 CO1. Research Scholar would be able to develop & explore the review of literature in concerned area.

RS 105 CO2. Analyze review of literature critically for finding the research gap.

RS 105 CO3. Apply acquired knowledge in making systematic seminar presentations.

RS 105 CO4. Apply acquired knowledge for improving development of all-round research.

Name of Department	School of Liberal Arts		
Program Name	**Pre-Ph.D. Course Work**	Program Code	23
Course Code	PL 104 (A)	Credit	3
Year/Sem	1/1	L-T-P	3-0-0
Course Name	**Concept of Advanced Psychology**		

Objectives of the Course: This course aims to understand the basic concept, principles, methodology and fields of Psychology. It will also acquaint learners with the theoretical aspects of Psychology and their implications in real life situations. In addition to this, it aims to introduce the students with the various schools of psychology and to equip the learners with the contributions of different theorists in the history of Psychology.

UNIT I- Introduction
1.1 Scope and definition of Psychology
1.2 Perspectives on Behaviour
1.3 Attention & Perception
1.4 Motivation & Emotion
1.5 Learning, Memory and Forgetting, ,
1.6 Personality
1.7 Thinking, Intelligence & Creativity

UNIT II- Schools of Psychology
2.1 Beginning of Experimental psychology
2.2 Structuralism, Functionalism & Behaviourism
2.3 Psychodynamic: Freudian and Neo Freudian
2.4 Gestalt Psychology
2.5 Humanistic Psychology & Existential Psychology
2.6 Indian Perspectives: Buddhism, Hinduism, Sufism and Integral Yoga.

UNIT III- Understanding Abnormality
3.1 Approaches to Psychopathology
3.2 Diagnostic and Statistical Manual of Mental Disorders (DSM) and International Classification of Diseases (ICD)
3.3 Mental Status Examination
3.4 Classification of Psychotherapy and Counseling: Approaches, Types of psychotherapies, Individual counseling, Group counseling, process, skills and techniques

UNIT IV- Foundations of Psychological Research
4.1 General Principles of Research
4.2 Types of Research Designs
4.3 Sampling method
4.4 Qualitative and Quantitative methods,
4.5 Parametric and Non Parametric Statistics,
4.6 Correlation Analysis & Regression,
4.7 Psychometry: Types of Tests, Test Construction, Test standardization Areas of testing
4.8 Applications of tests in various settings: Education, Industry, Clinical Settings

Course Outcomes (COs):

PL-104 (A) CO1: Apply the understanding and applications of human psychological capabilities like memory, intelligence, motivation, personality and other higher mental processes.

PL-104 (A) CO2: Understand the historical background of Psychology and contribution of early schools of Psychology.

PL-104 (A) CO3: Understand the concept of abnormality by applying the knowledge of assessment, diagnosis, and classification system.

PL-104 (A) CO4: Identify different research methodological approaches and paradigms that have been used to study psychological processes.

Textbook & References:

- Baron, R. & Misra. G. (2013). *Psychology*. Pearson.
- Chadha, N.K. & Seth, S. (2014). *The Psychological Realm: An Introduction.* Pinnacle Learning, New Delhi.
- Ciccarelli, S. K., & Meyer, G. E. (2010). *Psychology: South Asian ed*. New Delhi:Pearson Education.
- Passer, M.W. & Smith, R.E. (2010). *Psychology: The science of mind and behaviour*.New Delhi: Tata McGraw-Hill.
- Schultz, D. P. (2011). *A History of Modern Psychology*(10th ed.). Wadsworth Pub Co.
- Wood, S.E. & Wood, E.G. (2000). *The Essential World of Psychology.* New York: Allyn& Bacon.
- Singh, A. K. (2015). *The Comprehensive History of Psychology.* Motilal Banarsidas Publishers.
- Barlow, D.H. and Durand V.M. (2005). *Abnormal Psychology: An Integrated Approach* (4th ed.).Wadsworth: New York.
- Bennett, P. (2006). *Abnormal and Clinical Psychology: An introductory textbook.* NewYork: Open University Press.
- Brewer, K. (2001). *Clinical Psychology*. Oxford : Heinemann Educational Publishers
- Carson, R.C., Butcher, J. N., Mineka, S. & Hooley, J. M. (2008). *Abnormal Psychology*. NewDelhi: Pearson.
- Dyer, C. (2001) *Research in Psychology: A Practical Guide to Research Methodology and Statistics (2nd Ed.)* Oxford: Blackwell Publishers
- Gregory, R.J. (2006). *Psychological Testing: History, Principles, and Applications (4th\ Ed.)*. New Delhi: Pearson Education.
- Murphy, K.R. &Davidshofer, C. O. (2004). *Psychological Testing: Principles &Applications (6th Ed.)* New Jersey: Prentice Hall.
- Neuman, W.L. (2006). *Social Research Methods: Qualitative and Quantitative Approaches (6th Ed.)* Boston: Pearson Education.
- Willig, C. (2001). Introducing qualitative research in psychology: Adventures in theory and method. Philadelphia : Open University Press

Name of Department	School of Liberal Arts		
Program Name	**Pre-Ph.D. Course Work**	Program Code	23
Course Code	PL 104 (B)	Credit	3
Year/Sem	1/1	L-T-P	3-0-0
Course Name	**Applied Psychology**		

Objectives of the Course: This course aims to equip the students with the practical aspects of the Psychology. It further discusses the relationship between psychological factors and physical health and learns how to enhance well-being. In addition to this, it creates an awareness of the concepts related to organizational behavior to help the students develop connectivity between concepts and practices of organizations.

UNIT I- Introduction
 1.1 Meaning and Scope of Applied Psychology
 1.2 Nature of Applied Psychology
 1.3 Role of an Applied Psychologist

UNIT II- Organizational Psychology
2.1 Nature and Scope
2.2 Challenges and Opportunities for Organizational Behaviour
2.3 Work Motivation
2.4 Leadership
2.5 Communication

UNIT III- Social Psychology
3.1 Nature of Social Psychology
3.2 History of Social Psychology
3.3 Traditional theoretical perspectives
3.4 Cognitive Dissonance
3.5 Group
3.6 Social Cognition, Social influence & Social Perception
3.7 Prosocial Behaviour
3.8 Aggression

UNIT IV- Health Psychology
4.1 Historical background of Health Psychology
4.2 Stress and coping
4.3 Pain and Illness
4.4 Health compromising and enhancing behavior

Course Outcomes (COs):
PL-104 (B) CO1: To understand the basic concept of Applied Psychology.
PL-104 (B) CO2: Analyze various theories and importance of work motivation, job satisfaction and leadership at the workplace.
PL-104 (B) CO3: Discuss the foremost developing areas of theory and research in contemporary psychological science (i.e., applied psychological science, cross-cultural research, social cognition, and also the evolutionary approach).
  PL-104 (B) CO4: Understand and describe the models and theories that are used to explain health risk and health-enhancing behaviors.

Textbook & References:
- Greenberg, J. & Baron, R.A. (2007). *Behaviour in Organizations* (9th ed.). India:Dorling Kindersley.
- Landy, F.J. &Conte, J.M. (2007) *Work in the 21st Century: An Introduction toIndustrial*

- *and Organizational Psychology*. New York : Wiley Blackwell.
- Luthans, F. (2009). *Organizational behavior*. New Delhi: McGraw Hill.
- Pareek, U. (2010). *Understanding organizational behaviour*. Oxford: Oxford University Press.
- Robbins, S. P. & Judge, T.A. (2007) *Organizational Behavior*(12th Ed). New Delhi:Prentice Hall of India.
- Schermerhorn, J.R. ,Hunt,J.G. &Osborn,R.N. (2008) *Organizational Behavior* (10[th]Ed.) New Delhi: Wiley India Pvt. Ltd.
- Allen, F. (2011). *Health psychology and behaviour*. Tata McGraw Hill Edition.
- Dimatteo, M. R., & Martin L. R. (2011). *Health psychology.* India: Dorling Kindersley.
- Misra,G. (1999).*Stress and Health*. New Delhi: Concept.
- Sarafino, E.P. (2002). *Health psychology: Bio psychosocial* interactions (4th Ed.).NY: Wiley.
- Taylor, S.E. (2006). *Health psychology,* 6th Edition. New Delhi: Tata McGraw Hill.
- Misra, G. (2009). Psychology in India, Volume 4: Theoretical and MethodologicalDevelopments (ICSSR survey of advances in research). New Delhi: Pearson.
- Myers, D.G. (2008). *Social psychology* New Delhi: Tata McGraw-Hill.