

**COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY
APPLICABLE FROM BATCH: 2022 ONWARDS**

**DIT UNIVERSITY
DEHRADUN**



**DETAILED COURSE STRUCTURE
OF
PH.D. COURSE WORK – PSYCHOLOGY**

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

COURSE STRUCTURE

Year: 1st

Semester: I

Course Category	Course Code	Course Title	L	T	P	Credit
UC	PSY906	Research Methodology	4	0	0	4
UC	PSY907	Emerging Trends in Psychology	4	0	0	4
GE	PSY946/PSY947/ PSY948/PSY949	General Electives	4	0	0	4
UC	CPE-PPE	Research Publication and Ethics	2	0	0	2
Project	PSY916	Seminar/Review Paper/Empirical Paper	2	0	0	2
		Total	16	0	0	16

Generic Elective

PSY946- Clinical Psychology
PSY947- Indian Psychology
PSY948- Cognitive Psychology
PSY949- Human Machine Interface

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

DETAILED SYLLABUS

PROGRAM/BRANCH: PH.D. COURSE WORK PSYCHOLOGY

Subject Code	PSY906	Subject Title	RESEARCH METHODOLOGY						
LTP	4 0 0	Credit	4	Subject Category	Core	Year	1 st	Semester	I

Course Objective:

- To understand and apply the concepts of quantitative and qualitative research designs.
- To demonstrate the skills for preparing a research proposal
- To demonstrate the skills for conducting various statistical analyses

UNIT 1: Problem Formulation, Review and Hypothesis (14 Lectures)

Methods of Knowing: Tenacity, authority, apriori, scientific; Developing problem for research, Characteristics of a good problem; Developing hypothesis, Characteristics of a good hypothesis; Literature review: earlier research evaluations, gap analysis, deducing hypothesis

UNIT 2: Data Collection Methods, Research Design and Sampling (12 Lectures)

Methods of Data Collection: Observation Method, Experimental Method, Questionnaire, Interview, Case Study Method. Experimental Design: Randomized Group Design, Factorial Design. Meaning and Types of Quasi Experimental Design; Sampling: Probability and Non-Probability Sampling

UNIT 3: Data Analysis (14 Lectures)

Concept and Meaning of Correlation, Pearson's Product Moment Correlation. Concept and Uses of Simple Linear Regression. Standard Error of Mean. Significance Difference between Means (Independent and Correlated)-t test. ANOVA: One-way and Two Way. Difference between Parametric and Nonparametric Statistics. Chi Square Tests. Qualitative analysis: Grounded theory methods, NVivo

UNIT 4: Computer application and Report writing (12 Lectures)

Computer application in psychological research: Introduction to SPSS, Graphical presentation of data, results and interpretation; Research-Structure and Components; Report Writing-Content, Reference & Citation

Learning Outcome:

- PhD student would be talented to use various research methods to enhance the quality of their research.
- PhD student would be able to select various techniques in their research.
- PhD student would get a conceptual idea to analysis primary and secondary data.
- PhD students would be empowered to provide rational and viable statistical inference on their findings.

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

TEXT BOOK [TB]:

- F. N. Kerlinger (1986). Foundation of Behavioural Research. Surjeet Publication, Delhi.
- H. E. Garret (1986). Statistics in Psychology and Education. David, McKay Co. Inc, New York

REFERENCE BOOKS [RB]:

- K. D. Broota (1992). Experimental Design in Behavioural Research. Wiley Eaten, New Delhi.
- D. K. Bhattacharya (2003). Research Methodology, New Delhi.
- F. J. McGuigan (1968). Experimental Psychology-A Methodological Approach. Prentice Hall. New Delhi.
- Ranjit Kumar (2006). Research Methodology: A step by step guide for beginners. Pearson Education, New Delhi
- J. Levin and J. A. Fox (2006). Elementary Statistics in Social Research. Pearson Education, Delhi
- S. K. Mangal (2006). Statistics in Psychology and Education. Prentice Hall, Delhi.
- J. P. Guilford (1954). Psychometric Methods. McGraw-Hill, New York.
- A. K. Singh (1986). Test Measurement and Research Methods in Behavioural Sciences. Tata McGraw-Hill, New Delhi.
- A. Anastasi (1990). Psychological Testing. McMillor.
- K. V. S. Sarma (2001). Statistic Made Simple: Do it Yourself on Pc.

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

Subject Code	PSY907	Subject Title	EMERGING TRENDS IN PSYCHOLOGY						
LTP	4 0 0	Credit	4	Subject Category	Core	Year	1 st	Semester	I

Course Objective:

- To impart the understanding of various emerging trends in psychological research
- To facilitate conceptual intricacies of psychological perspectives

UNIT 1: Nature of Scientific Psychology, Issues and Debates (14 Lectures)

Philosophical and Scientific Bases of Psychology, Modern Psychology approaches, contemporary issues and debates, positivism, phenomenological and post-positivism

UNIT 2: Modern Findings of studies related with self and consciousness (12 Lectures)

Indian and western concepts of self, Stages and development of consciousness, Psychological implications of spirituality, globalization, Psychological effects of urbanization and value-crisis

UNIT 3: Human behavior (14 Lectures)

Perspectives of human behavior, Cultural Influences on Human Behavior, Psychological issues related with information technology, Economic Crisis and Fundamentalism in the society

UNIT 4: Positive Psychology (12 Lectures)

Key concepts and their applications: Resilience, meaning, gratitude, Flow, mindfulness, positive illusions, explanatory style and positive emotions in facilitating well-being

Learning Outcome:

- The scholars will be able to explore and understand the various emerging trends.
- They will be able to strengthen their research work by expanding their conceptual repertoire.
- They will have core ideas of contemporary psychological perspectives.
- They will be able to critically evaluate psychological research.

TEXT BOOK [TB]:

- Saraswathi, T.S (1999). Culture, Socialization and human development. Sage publications: Delhi
- K. C. Galotti (2008). Cognitive psychology: Perception, attention and memory. New Delhi: Cengage.
- Snyder, C. R., Lopez, S. J., Pedrotti, J.T. (2011) Positive Psychology: The Scientific and Practical Explorations of Human Strengths. CA: Sage Publications

REFERENCE BOOKS [RB]/ARTICLES:

- Frankl, Victor E. (2006). Man's Search for Meaning. Boston: Beacon Press
- Lyubomirsky, S (2011). The How of Happiness. A Practical Guide to Getting the Life You Want. New York: The Penguin Press
- Sheldon, M.K. Et al. (Eds.) (2011). Designing Positive Psychology. Taking Stock and Moving Forward. New York: Oxford University Press
- Crocker, J., Park, L. E. (2004). The Costly Pursuit of Self-Esteem. Psychological Bulletin, 130(3), 392-414. <https://deepblue.lib.umich.edu/bitstream/handle/2027.42/106180/2005-Crocker-Lee-Park-SelfEsteem-CHAP.pdf?sequence=1>

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- Akin, L. B., Dunn, E. W., Norton, M. I. (2012) Happiness runs in a circular motion: Evidence for a positive feedback loop between prosocial spending and happiness. *Journal of Happiness Studies* 13, 347–355.
- Anshel, M. H., Minsoo, K., Brinthaup, T. M. (2010). A Values-Based Approach for Changing Exercise and Dietary Habits: An Action Study. *International Journal of Sport & Exercise Psychology*, 8(4), 413-432
- Brown, K.W., Ryan, R.M. & Creswell, J.D. (2007). Mindfulness: Theoretical foundations and evidence for its salutary effects. *Psychological Inquiry*, 18, 211-237.

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

Subject Code	PSY946	Subject Title	CLINICAL PSYCHOLOGY						
LTP	4 0 0	Credit	4	Subject Category	Elective	Year	1 st	Semester	I

Course Objective:

- To acclimatize students with the field of clinical psychology
- To introduce the concepts, methods and issues that is pertinent to the clinical psychology
- To demonstrate an awareness of the range of mental health problems as well as their psychosocial/contextual mediation.

UNIT 1: Clinical psychology: An introduction (14 Lectures)

Scope of clinical psychology; overview of the profession and practice; history and growth; professional role and functions; current issues and trends; areas of specialization; ethical and legal issues; code of conduct.

UNIT 2: Mental health and illness (12 Lectures)

Mental health care – past and present; stigma and attitude towards mental illness; concept of mental health and illness; perspectives – psychodynamic, behavioral, cognitive, humanistic, existential and biological models of mental health/illness

UNIT 3: Clinical Assessment and Therapies (14 Lectures)

Assessment in clinical psychology, Interview techniques, Varieties of interviews, Art and science of interviewing, case history; mental status examination Assessment of intelligence and personality, Therapies: Behavioral and Cognitive Therapies.

UNIT 4: Contemporary issues in clinical psychology (12 Lectures)

Exploration the use and effectiveness of online psychotherapy; quality of life in medical patients; Indian perspectives in mental health, new and effective ways in treating childhood behavioral disorder, aging process and mental illness; internet addiction: cause & intervention.

Learning Outcome:

- The scholars will be able to recognize concepts and historical events that have shaped the field of clinical psychology.
- They will be able to acquire basic understanding of assessment, research methods and issues in relation to clinical psychology.
- They will be able to have an overview of mental health status and its different model.
- They will be able to develop an understanding about contemporary issues in the field of clinical psychology.

TEXT BOOK [TB]:

- Korchin, S.J. (1986). Modern Clinical Psychology; New York: Harper/ Delhi: Behavioural Science Publications

REFERENCE BOOKS [RB]/ARTICLES:

- Hecker, J. E., & Thorpe, G. L. (2005). Introduction to clinical psychology: Science, practice, and ethics (Low Price Edition). Delhi: Pearson Education.
- Pomerantz, A.M. (2008). Clinical Psychology: Science, practice, and culture. Sage Publications: New Delhi
- Trull, T.J., & Phares, E.J. (2001). Clinical psychology: Concepts, methods, and profession (6th Ed.). Belmont, CA: Wadsworth/Thomson Learning
- Gelder, M., Sath, D., Mayou, R., Oxford Text Book of Psychiatry. Oxford University Press, Oxford, 1983

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

Subject Code	PSY947	Subject Title	INDIAN PSYCHOLOGY						
LTP	4 0 0	Credit	4	Subject Category	Elective	Year	1 st	Semester	I

Course Objective:

- To impart the understanding of various emerging trends in Indian psychological research
- To facilitate conceptual intricacies of Indian psychological perspectives

UNIT 1: Introduction to Indian Psychology (14 Lectures)

The core and context of Indian Psychology, History of Indian Psychology, Research Methods in Indian Psychology

UNIT 2: Self and Personality in Indian Thought (12 Lectures)

Notions of Self in Yoga & Vedanta, Kathopanishad, Bhagwad Gita, Triguna Theory of personality, Svabhav and Svadharm

UNIT 3: Emotion and Intelligence (14 Lectures)

Emotion: Indian concepts of emotion and their applications; Intelligence: Indian notions of intelligence and their applications

UNIT 4: Yoga & Health (12 Lectures)

Yogic view of Chitta, Chittaprasadan, Asana, Pranayama, Pratyahar, Dharana and Dhyam

Learning Outcome:

- The scholars will be able to explore and understand the various emerging trends of Indian Psychological thought.
- They will be able to strengthen their research work by expanding their indigenous conceptual repertoire
- They will have core ideas of contemporary Indigenous psychological perspectives
- They will be able to critically evaluate Indian psychological research.

TEXT BOOK [TB]:

- Misra, G. (Ed.) (2011) Handbook of psychology in India. New Delhi: Oxford University Press.

REFERENCE BOOKS [RB]:

- Sinha, Durganand (2015). Psychology for India by with an introduction by Girishwar Misra and Ajit K Dalal, New Delhi: Sage Publications.
- Ajit K Dalal (2016) Cultural Psychology of Health in India: Well-being, Medicine and Traditional Health Care. Sage: New Delhi.
- Misra, G.(Eds.). (2013). Psychology and psychoanalysis. New Delhi: Centre for Studies in Civilizations
- Corelissen, R.M. M., Misra, G., & Varma (Eds.) (2011a). Foundations of Indian psychology (vol. 1): Basic concepts and theories. New Delhi: Pearson.
- Corelissen, R.M. M., Misra, G., & Varma (Eds.) (2011b). Foundations of Indian psychology (vol. 2): Practical applications. New Delhi: Pearson.
- Misra, G. (Ed.) (2011). Psychology in India: Advances in Research (vol.4): Theoretical and methodological developments. New Delhi: Pearson.
- Misra G. (Ed.) (2009). Psychology in India. Vol. 1 Basic psychological processes and human Development. New Delhi: Pearson.
- Misra G. (Ed.) (2009). Psychology in India. Vol. 2 Social and organizational processes. New Delhi: Pearson

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

Subject Code	PSY948	Subject Title	ADVANCED COGNITIVE PSYCHOLOGY						
LTP	4 0 0	Credit	4	Subject Category	Elective	Year	1 st	Semester	I

Course Objective:

- To make the scholars know the concept of cognition and its application in cognitive psychology.
- To provide advanced and recent knowledge of the subject.
- To nourish the research ideas of scholar.

UNIT 1: Perceptual process

(14 Lectures)

Perceptual learning and development, Perception of shape, Space and movement, implicit perception and sensory integration theory

UNIT 2: Memory & Forgetting

(12 Lectures)

Sensory memory, STM, LTM, working memory, Encoding and retrieval processes, Met memory, Semantic & episodic Memory, Theories of forgetting, Memory distortion, Effects of drugs on memory, Amnesic syndromes, Prospective memory, and the effects of aging and disease on memory, Positive emotions, Positive traits, Positive and Negative Affectivity

UNIT 3: Learning

(14 Lectures)

Antecedents of Learning, Theoretical issues of learning, Biological influences on learning, Learning & Consciousness

UNIT 4: Thinking and Concept Formation

(12 Lectures)

Concept formation and categorization, Judgment and Decision-making, Reasoning & Problem solving, Creativity, Thinking strategies and well-being

Learning Outcome:

- The scholars will be able to explore and understand the various aspects of cognition.
- The scholars will be able to comprehend the role of mental processing in day today life and solving problems.
- They will be able to expand and include cognitive factors in the process of research.
- They will be able to interpret cognitive mechanisms underline different variables of research.

TEXT BOOK [TB]:

- Ciccarelli, S.K., White, J.N. & Misra, G. (2018). Psychology: South Asian Edition. New Delhi: Pearson Education.
- Baron, R. & Misra, G. (2013). Psychology. Pearson Education India

REFERENCE BOOKS [RB]:

- Passer, M.W. & Smith, R.E. (2010). Psychology: The science of mind and behavior. New Delhi: Tata McGraw-Hill.
- Carr, A. (2004). *Positive Psychology: The science of happiness and human strength*. UK: Routledge
- Coon, D. & Mitterer J.O. Introduction to Psychology, Cengage Learning; 14th edition
- Morgan, King, Weisz, Scopler (2017). Introduction to Psychology, McGraw Hill Education; 7 edition
- Nolen-Hoeksema, Fredrickson, Loftus, Lutz (2015). Atkinson & Hilgard's Introduction to Psychology. Cenage Learning; 16th edition

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

Subject Code	PSY949	Subject Title	HUMAN MACHINE INTERFACE						
LTP	4 0 0	Credit	4	Subject Category	Elective	Year	I	Semester	I

Course Objective:

- To provide an overview of the profession of Human Factors
- Enabling an understanding of human abilities that affect design
- To develop understanding about the user-centered design processes

UNIT 1: Human factors

(14 Lectures)

Definition, Historical overview, Models of human information processing

UNIT2: What is human computer interface (HCI)?

(12 Lectures)

Disciplines contributing to HCI, General principles of HCI design, Ergonomic aspects of HCI, New Areas of HCI

UNIT 3: Human- Machine interface related issues

(14 Lectures)

The man-machine interface, Approaches to human error, Errors and accidents, Error proneness and accident liability, HMI related risks, Workers health and safety, Brain-Computer Interface (BCI)

UNIT 4: HCI and the Web

(12 Lectures)

Accessibility and designing for special populations, Social Computing, Problematic internet use and Internet addiction, The Future of HCI

Learning Outcome

- The student will be able to understand how psychological, behavioral, and cultural factors contribute to human computer interface.
- The students will be able to understand the dynamics of technology regarding human mind.
- The student will be able to know the impact of technology on a person's health.
- The student will be able to preventive to deal with technology related issues.

REFERENCE BOOK

1. Bishop J. (2015). Psychological and Social Implications Surrounding Internet and Gaming Addiction. Hershey, PA: IGI Global.
2. Nickerson, R. S. (1992). Looking ahead: Human factors challenges in a changing world. Hillsdale, NJ: Lawrence Erlbaum Associate.
3. Parasuraman, R. & Mouloua, M. (1996). Automation and human performance: Theory and application. Hillsdale, NJ: Lawrence Erlbaum Associate.
4. Shneiderman, B. Plaisant, C. Cohen, M. Jacobs, S. Elmqvist, N. Diakopoulos, N (2017). Designing the user interface. Strategies for effective human-computer interaction (6th ed.) New Delhi: Pearson.
5. Sheridan, T. B. (2002). Humans and automation: System design and research issues. Santa Monica, CA: John Wiley
6. Singh, I. L. & Parasuraman, R (1998). Human Cognition: A multidisciplinary perspective. New Delhi: Sage.
7. Yellowlees, P.M. & Marks, S., (2007). Problematic Internet use or Internet addiction? Computers in Human Behavior, 23(3) 1447-1453.

COURSE STRUCTURE OF PH.D. COURSE WORK – PSYCHOLOGY APPLICABLE FROM BATCH: 2022 ONWARDS

Subject Code	PSY909	Subject Title	RESEARCH & PUBLICATION ETHICS						
LTP	2 0 0	Credit	2	Subject Category	Compulsory	Year	1 st	Semester	I

Course Objective:

- To enhance the awareness about research integrity.
- To make the learner know-how of quality publication.
- To prepare the scholars for original and authentic research.

UNIT 1: Philosophy and Ethics

(2 Lectures)

Introduction to Philosophy: Definition, Nature and Scope, Concept, Branches; Ethics: Definition, Moral Philosophy, Nature of Moral Judgments and Reactions

UNIT 2: Scientific conduct

(4 Lectures)

Ethics with respect to Science and Research; Intellectual honesty and research integrity; Scientific misconducts, falsification, Fabrication and plagiarism; Redundant publications, duplicate and overlapping publications, salami slicing; Selective reporting and misrepresenting of data

UNIT 3: Publication ethics

(5 Lectures)

Publication Ethics: definition, introduction and importance; Best practices / standards setting initiatives and guidance: COPE, WAME etc.; Conflict of interest; Publication misconduct: definition, concept, problems that lead to unethical behaviour and vice-versa, types; Violation of publication ethics, authorship and contributor-ship; Identification of publication misconduct, complains and appeals; Predatory publishers and journals

PRACTICAL

UNIT 4: Open Access Publishing

(5 Lectures)

Open Access Publications and Initiatives; Sherpa/RoMEO online source to check publisher copyright and self-archiving policies; Software tool to identify predatory publications developed by SPPU; Journal; finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal suggester etc.

UNIT 5: Publication Misconduct

(5 Lectures)

Group Discussion: Subject specific ethical issues, FFP, authorship; Conflicts of interest; Complains and appeals: examples of fraud from India and abroad Software tools: Use of plagiarism softwares like Turnitin, Urkund and other open source software tools

UNIT 6: Databases and Research Metrics

(5 Lectures)

DATABASES: Indexing databases; Citation databases: Web of Science, Scopus etc.
RESEARCH METRICS: Impact factor of journal as per Journal citation report, SNIP, SJR, IPP cite score; Metrics: h-index, g-index, i10 index, altmetrics

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Learning Outcome:

- At the end of the course learner will be introduced to research integrity.
- The learner will be able to understand the correct approaches to quality publication.
- By the end of this course the scholar will be able to conduct and publish the authentic research work.

TEXT BOOK [TB]:

- Bryman A (2008) Social research methods. Oxford University Press, Oxford
- Hoffman, A. (2003). Research for Writers, London: A&C Black Publishers Limited
- Creswell, John W (2012). Educational Research Planning, Conducting, and Evaluating Quantitative and Qualitative Research, ISBN 0-13-136739

REFERENCE BOOKS [RB]:

- Hammersley M (2011) Methodology—who needs it? Sage, Los Angeles, CA
- Hesse-Biber SN, Leavy P (2011) the practice of qualitative research. Sage, Los Angeles, CA
- Horrigan PG (2007) Epistemology: an introduction to the philosophy of knowledge. iUniverse, Lincoln, NE