

**COURSE CURRICULUM
FOR
DOCTOR OF PHILOSOPHY (Ph. D.)
COURSE WORK
IN
PSYCHOLOGY
{w.e.f. 2023}**



**DEPARTMENT OF PSYCHOLOGY
RAJIV GANDHI UNIVERSITY
RONO HILLS, DOIMUKH
ARUNACHAL PRADESH-791112**

CONTENTS

Paper Code	Paper Title	Page No.
Overview		2
Course structure		3
Programme Outcomes and Scheme of Evaluation		4
PSYC-711 (Core Paper)	Research Methodology in Psychology.	5-6
PSYC-712 (Core Paper)	Research and Publication Ethics	7-9
PSYO-721 (Open Elective Paper)	Positive Psychology	10
PSYE-731 (Elective Paper)	Applied Statistics in Psychology	11-12
PSYE-732 (Elective Paper)	Recent Trends in Organizational Psychology	13
PSYE-733 (Elective Paper)	Research Application in Counseling	14

OVERVIEW

As per the university ordinance, the research scholars who are provisionally admitted for the Ph.D. programme will have to undergo Pre-Ph.D. course work. The course work is mandatory for all the fresh candidates and those engaged in regular employment. It is mandatory for the scholars to attend at least 80% of the allotted classes. The course curriculum is in Choice Based Credit System (CBCS). The Course curriculum of Ph.D. course work in psychology includes two core papers, namely, Research Methodology in Psychology (PSYC-711) which is of 4 credits and Research and Publication Ethics (PSYC-712) which is of 2 credits. The curriculum also includes an open elective paper, Positive Psychology (PSYO-721), which is of 2 credits. In addition, there are 3 elective papers, namely, Applied Statistics in Psychology (PSYE-731), Recent Trends in Organizational Psychology (PSYE-732) and Research Application in Counseling (PSYE-733) which are of 4 credits each. The student has to take two core papers (4credits+2credits), open elective paper (2 credits) and one elective paper (4 credits), resulting in a total of 12 credits. After completion of the coursework, there shall be examination of the above papers. The scholars are required to appear for internal assessment/present seminar/review paper/assignment and written examination during the course work conducted by the Department.

Ph. D. in PSYCHOLOGY COURSE STRUCTURE

Ph.D. Course Work (Compulsory) for Semester I							
12 Credits							
	Paper Code and Title	Credits	L: T:P hours per week	Distribution of marks			
				Semester end exam	Practical	Internal Assessment	Total marks
Core paper	PSYC-711 (Core Paper) Research Methodology In Psychology	4	4:0:0	75	00	25	100
	PSYC-712 (Core Paper) Research and Publication Ethics	2	1:0:1	20	20	10	50
Open Elective paper	PSYO-721 Positive Psychology	2	1:0:1	20	20	10	50
Elective paper	<i>(Students have to choose any one)</i> PSYE-731 Applied Statistics in Psychology PSYE-732 Recent Trends in Organizational Psychology PSYE-733 Research Application in Counseling	4	4:0:0	75	00	25	100

Programme Outcomes:

1. The student will be able to formulate and conduct scientific research.
2. The student will be able to methodologically report scientific research finding with the provision for replication.
3. The student will have understanding of the foundations and methods of parametric and non-parametric statistical analyses.
4. Using statistical packages, the students will be able to test statistical assumptions, perform extended stoical analyses, and present research findings for univariate, bivariate and multivariate data.

Scheme of Evaluation:

Internal Assessment – Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation.

External Assessment – Final written examination will be conducted at the end of the course. The distribution of marks is given in the course structure.

PSYC-711: RESEARCH METHODOLOGY IN PSYCHOLOGY

Maximum Marks: 100
Credit: 4

Learning Outcomes:

1. To provide understanding of the theoretical foundations, approaches and techniques along with sample selection for the conduction of scientific research.
2. To provide the ground works for the theoretical foundations, empirical findings and procedural knowledge to report scientific research out comes.
3. To develop skills to formulate and conduct scientific research.
4. To enhance the ability to methodologically report scientific research finding with the provision for replication.

Unit I

- Scientific research – concept and characteristics of scientific research.
- Scientific approach to the study of behavior.
- Nature of Psychological research, planning of psychological research.
- Review of literature.
- Ethical issues in research.

Unit II

- Types of research – Qualitative, Quantitative and mixed research.
- Types and methods of qualitative research – Action research, ethnography, phenomenology, grounded theory and case study research.

Unit III

- Formulating research problem and hypothesis.
- Sampling and sampling techniques.
- Research design – concepts of variables, basic principles of experimental design.

Unit IV

- Test Construction – development of tools, adaptation of Psychological tests.
- Procedure for data collection; administration of Psychological test; scoring and tabulation.
- Interpretation and conclusion.
- Referencing.
- Report writing.

Books Recommended:

1. Anastasi, A. (1976) Psychological testing, 4th edition. New York: McMillan Publishing Co.
2. Break well, G.M., Smith, J.A., Wright, D.B. (2012). Research Method in Psychology. New Delhi: Sage Publications.
3. Broota, K.D. (1992). Experimental Design. New Delhi; Wiley Eastern.

Ph.D. Course Work

4. Edward, A.L. (1955). *Experimental design in Psychological Research*. Holt McDougal; 4th edition
5. Edward, A.L. (1957). *Techniques of attitude scale construction*. New York:Appleton-Century-Crofts.
6. Freeman, F. S. (2008). *Theory and Practice of psychological testing*. Oxford & Ibh Publishing Co. Pvt Ltd
7. Guilford, J.P. (1955). *Psychometric methods, international Students Edition*.New York, US: McGraw-Hill.
8. GarrettH.E (2000) *Statistics in Psychology and Education*, Hyderabad: International Book Bureau.
9. Kerlinger, F. N. (1983) *Foundations of Behavioral Research*. New Delhi: Surjit Publications
10. Kothari, C.R. (1995). *Research Methodology; Method and Techniques*. New Delhi; Wishwa Prakashan.
11. Silverman, D. (2011). *Interpreting Qualitative Data (Fourth Edition)* New Delhi: SAGE Publication Ltd.
12. Silverman, D. (2013). *Doing Qualitative Research: A practical Handbook (fourth Edition)*. New Delhi: SAGE Publication Ltd.
13. Singh. A.K. (1997). *Tests, Measurements and Research Methods in Behavioral Science*. N.D. Bharati Bhawan
14. Todd, Z., Nerlich, B., Mckeown, S., & Clarke, D.D. (2104). *Mixing methods in Psychology: The integration of qualitative and quantitative methods in theory and practice*. London, UK: Psychology Press.

PSYC-712: RESEARCH AND PUBLICATION ETHICS

Maximum Marks: 50
Credit: 2

Learning Outcomes:

1. To bring awareness about the publication ethics and publication misconducts.
2. This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics.
3. Hands-on-sessions are designed to identify research misconduct and predatory publications.
4. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

Course structure

The course comprises of six modules listed in table below. Each module has 4-5 units.

Modules	Unit title	Teaching hours
Theory		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	30

THEORY**RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)**

- Introduction to philosophy: definition, nature and scope, concept, branches
- Ethics: definition, moral philosophy, nature of moral judgements and reactions

RPE 02: SCIENTIFIC CONDUCT (5hrs.)

- 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

RPE 03: PUBLICATION ETHICS (7 hrs.)

- 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 behavior and vice versa, types
- Violation of publication ethics, authorship and contributorship
- Identification of publication misconduct, complaints and appeals
- Predatory publishers and journals

PRACTICE

RPE 04: OPEN ACCESS PUBLISHING (4 hrs.)

- 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
- Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

RPE 05: PUBLICATION MISCONDUCT (4hrs.)

A. Group Discussions (2 hrs.)

- Subject specific ethical issues, FFP, authorship
- Conflicts of interest
- Complaints and appeals: examples and fraud from India and abroad

B. Software tools (2 hrs.)

Use of plagiarism software like Turnitin, Urkund and other open source software tools

RPE 06: DATABASES AND RESEARCH METRICS (7hrs.)

A. Databases (4 hrs.)

- Indexing databases
- Citation databases: Web of Science, Scopus, etc.

B. Research Metrics (3 hrs.)

- Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
- Metrics: h-index, g index, i10 index, altmetrics.

Books Recommended:

1. Bird, A. (2006). *Philosophy of Science*. Routledge.
2. MacIntyre, Alasdair (1967) *A Short History of Ethics*. London.
3. P. Chaddah, (2018) *Ethics in Competitive Research: Do not get scooped; do not get plagiarized*, ISBN:9789387480865
4. National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition*. National Academies Press. Resnik, D. B. (2011). What is ethics in research & why is it important. *National Institute of Environmental Health Sciences*, 1—10. Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>
5. Beall, J. (2012). Predatory publishers are corrupting open access. *Nature*, 489(7415), 179—179. <https://doi.org/10.1038/489179a>
6. Indian National Science Academy (INSA), *Ethics in Science Education, Research and Governance* (2019),
7. ISBN:978-81-939482-1-7. <http://www.insaindia.res.in/pdf/Ethics Book.pdf>

PSYC-721: POSITIVE PSYCHOLOGY

Maximum Marks: 50
Credit: 2

Learning Outcomes:

1. To provide theoretical foundations and empirical bases for components of positive psychology.
2. To apply the concepts of positive psychology in research.

Course Outcome:

3. The student will have understanding of the approaches and methods in the field of positive psychology.
4. The students will be able to apply and carry out researches in the areas of positive psychology.

UNIT I

- Positive Psychology: nature and scope.
- Identifying and measuring Human Strengths, virtues and positive traits
- Positive Emotional States: Well Being, Happiness, Forgiveness, Gratitude, Resilience and Creativity.
- Emotional Intelligence and its positive impact.

UNIT II

- Applied Perspectives of Positive Psychology.
- Interpersonal Perspectives: Empathy, Love and Social relations; Positive Institutions: Families, Religion and Spirituality.
- Positive Psychology at Work.

Books Recommended:

1. Crompton, W.C. (2005). An Introduction to Positive Psychology. Singapore: Thomson Publishers.
2. Snyder, C.R., & Lopez, S.J. (2005). Handbook of Positive Psychology. New York: Oxford University Press.
3. Carr, A. (2004). Positive Psychology: The Science of Happiness and Human Strengths. New York: Routledge Press.
4. Linley, P.A., & Joseph, S. (2004). Positive Psychology in Practice. New York: John Wiley and Sons.
5. Peterson, C. (2006). Positive Psychology. New York: Oxford University Press.
6. Selyman, E.P.M. (2007). Authentic Happiness. London: Nicholas Publishing House.

PSYE-731: APPLIED STATISTICS IN PSYCHOLOGY

Maximum Marks: 100

Credit: 4

Learning Objectives:

1. To provide theoretical foundations and empirical bases for descriptive, differential and inferential statistics.

2. To introduce the use of computer software's in the analyses and presentation of research data.

Course Outcome:

3. The student will have understanding of the foundations and methods of parametric and non-parametric statistical analyses.

4. Using statistical packages, the students will be able to test statistical assumptions, perform extended stoical analyses, and present research findings for univariate, bivariate and multivariate data.

Unit I

- Computer application: Psychometrics and data matrix,
- Managing data, data entry, importing and exporting data, data screening.
- Analysis and interpretation of data using any software like SPSS/ SYSTAT / STATISTICA R-software/ any open source software

Unit II

- Statistical analysis for correlational research: Bivariate and multivariate correlation, regression, discriminant function analysis.
- Factor analysis: Exploratory and confirmatory factor analysis

Unit III

- Statistical analysis for group differences: t-test, ANOVA, MANOVA, ANCOVA, Post-hoc Comparisons

Unit IV

- Non-parametric statistics: Concepts and application.
- Chi-square, Mann-Whitney U test, Kruskal- Wallis one-way ANOVA, Friedman two-way ANOVA
- Software for qualitative research.

Books Recommended:

1. Field, A. (2017) Discovering statistics using IBM SPSS Statistics, 5th edition. London: SAGE Publications.
2. Garret, H. E. (1975). Statistics in Psychology and Education, Vakils, Feffer and Sim Ltd. Bombay, Indian Print.

Ph.D. Course Work

3. Guilford, J.P. (1956) *Fundamental Statistics in Psychology and Education*, (3rd ed.). New York, NY, US: McGraw-Hill.
4. Guilford, J.P. (1936) *Psychometric Methods*. New York. NY: McGraw-Hill.
5. Joseph, F. Hair & Barry, J. Babin et al. (2018) *Multivariate data analysis*, 8th Edition, Cengage Publisher
6. Kerlinger, F. N. (1983) *Foundations of behavioural Research*. New Delhi: Surjit Publications
7. Rajathi A.& Chandran, P. (2010). *SPSS (Statistical package for social sciences) for you*. Mjp Publishers
8. Seigal, S (1956) *Non parametric Statistics*. Sidney: McGraw-Hill.

PSYE-732: RECENT TRENDS IN ORGANIZATIONAL PSYCHOLOGY

Maximum Marks: 100
Credit: 4

Learning Objectives:

1. To aware the student of individual, group and organization processes in organizational set up.
2. To develop training and testing skills in the student.
3. To help the student know the relevance of emerging research areas.
4. The students will be aware of organizational processes and analyze them.
5. The students will be able to show skills to work on different processes of the organization
5. The students will be able to recognize the importance of Positive work environment.

Unit I

- History of Industrial/Organizational Psychology, Paradigms in organizational psychology.
- Human relations and Contingency approach.

Unit II

- Employee selection, motivation and satisfaction,
- Emotions and workplace performance; Employee health and well-being.

Unit III

- Job and Task analysis; Organizational Design and Development.
- Team building, Leadership and Governance.
- Organizational Efficiency and Effectiveness.

Unit IV

- Training and development in organizations; Assessment of training needs, design and evaluation.
- Basic skills of an organizational trainer; Various types of psychological and behavioral training; Role of organizational assessment in training and development.

Books Recommended:

1. Katz. D and Kahn R.L. (1967). *Social Psychology of Organizations*. Prentice Hall.
2. Luthans, F. (1998). *Organizational Behaviour*. New York: McGraw-Hill
3. Nelson D.L., Quick, J. C. (2008). *Organizational Behavior: Foundation, Realities and Challenges*, Thompson-South Western, New Delhi.
4. Pareek, U. (2006). *Understanding Organizational Behavior*, Oxford University Press, New Delhi.
5. Schultz, D. and Schultz, S.E. (2002). *Psychology and Work Today*. (8th ed.). New Delhi: Pearson Education.

PSYE-733: RESEARCH APPLICATIONS IN COUNSELING

Maximum Marks: 100
Credit: 4

Learning Outcomes:

1. To understand the idea of counseling psychology as a discipline.
2. To understand the purpose and importance of counseling.
3. To help the student know the relevance of emerging research areas in counseling psychology.
4. To understand the counseling processes and analyze them.
5. To develop awareness to recognize the importance of counseling in various areas.

UNIT I

- Definition, scope and principles of counseling.
- Recent trends in counseling.
- Ethical, legal and moral aspects of counseling

UNIT II

- Steps and procedures of counseling.
- Types of counseling – Individual, Group and Family based.

UNIT III

- Counseling for special groups: children with learning problems, intellectually impaired, care givers and gifted children

UNIT IV

- Areas of Counseling: Marital Counseling, Family Counseling, Career counseling, School counseling, Substance abuse counseling, HIV/AIDS Counseling and Gerontological counseling

Books Recommended:

- 1.Nayak, A.K. (2007). Guidance and counselling APH Publishing New Delhi
- 2.Barki, B.G. & Mukhopadhyay, B. (2008) Guidance and Counselling A Manual 10th reprint Sterling
- 3.S.Naranayan Rao (2002) Counselling Psychology
- 4.Glading S.T. (2021) Theories of Counselling
- 5.Welfel, E.R. & Patterson, L.E. (2005) The Counselling Process- A Multitheoretical integrative approach. N.Delhi: Cengage Learning India Pvt. Ltd (6th edition)