

NEP-2020 and Learning Outcome-based Curriculum Framework (LOCF)

For

Post Graduate

Program Master

of Science

(To be effective from the Academic Session 2024-25)



Department of Psychology

Gurugram University, Gurugram

(A State University established by Govt. of Haryana Act No. 17 of 2017)

Semester 3

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS					
			(Hrs)			Credits				TI	TE	PI	PE	Total	
Core Course(s)															
CC-A09	Psychometrics	241/MPSY/CC 301	3	1	0	3	1	0	4	30	70	-	-	100	
CC-A10	Neuropsychology	241/MPSY/CC 302	3	1	0	3	1	0	4	30	70	-	-	100	
CC-A11	Psychodiagnostics & Practical	241/MPSY/CC 303	2	0	4	2	0	2	4	15	35	15	35	100	
Discipline Specific Elective Courses															
DSE-03	Clinical Psychology	241/MPSY/DS 304	3	0	0	3	0	0	3	25	50	-	-	75	
	Or Military Psychology	241/MPSY/DS 305													
Multidisciplinary Course(s)															
MDC-03	One from the University Pool		2	0	2	2	0	1	3	15	35	5	20	75	
Skill Enhancement Course(s)															
SEC-02	One from the University Pool		1	0	2	1	0	1	2	5	20	5	20	50	
Value-added Course(s)															
VAC-02	One from the University Pool		2	0	0	2	0	0	2	15	35	-	-	50	
Seminar															
Seminar	Presentation/ Seminar		0	0	4	0	0	2	2	-	-	15	30	50	
Internship/Field Activity#															
	Internship	241/MPSY/IN 301	0	0	8	0	0	4	4	-	-	30	70	100	
Total Credits									28	-	-	-	-	700	

#Four credits of internship earned by a student during summer internship after 2nd semester will be counted in 3rd semester of a student who pursue 2-year PG Programme without taking exit option.

Semester 4

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS				
			(Hrs)			Credits				TI	TE	PI	PE	Total
Ability Enhancement Course(s)														
AEC-03	One from the University Pool		2	0	0	2	0	0	2	15	35	-	-	50
Dissertation/Project Work														
Dissertation	Dissertation	241/MPSY/DI 401	0	0	4	0	0	8	20	-	-	150	350	500
Total Credits									22	-	-	-	-	550

Nature of Work	Course Credits	Contact hours per week	Contact hours per semester (15 weeks)
Lecture	01	01	15
Tutorial per paper	01	01	15
Practical, Seminar, Internship, field practice/project, or community engagement, etc.	01	02	30

Note: Tutorial batch size (UG programme: 20-25, PG Programme: 12-15)

The distribution of credits among the lectures/tutorial/practicum will be as follows:

Courses	Total Credits	L (Credits)	T (Credits)	P (Credits)	MARKS			
					TI	TE	PI	PE
Only Theory	4	3 (3 hrs)	1	-	30	70	-	-
	3	2 (2 hrs)	1	-	25	50	-	-
	2	1	1	-	15	35	-	-
Theory and Practicum	4	3 (3 hrs)	-	1 (2 hrs)	25	50	5	20
	4 (Where pract. is dominant)	2 (2 hrs)	-	2 (4 hrs)	15	35	15	35
	3	2 (2 hrs)	-	1 (2 hrs)	15	35	5	20
	2	1	-	1 (2 hrs)	5	20	5	20
When Practicum is separate course	2	-	-	2 (4 hrs)	-	-	15	35
	3	-	-	3 (6 hrs)	-	-	25	50
	4	-	-	4 (8 hrs)	-	-	30	70

AEC/VAC	2	2 (2 hrs)			15	35	-	-
SEC	3	2 (2 hrs)		1 (2 hrs)	15	35	5	20
	2	1		1 (2 hrs)	5	20	5	20
DSEC	4	3 (3 hrs)		1 (2 hrs)	25	50	5	20
Minor/VOC	4	2 (2 hrs)		2 (4 hrs)	15	35	15	35
Internship	4	--	--	4 (8 hrs)			30	70

L= Lecture; T= Tutorial, P= Practicum; Ti= Theory Internal Assessment; TE= Theory End Semester Examination; PI= Practicum Internal; PE= Practicum End Semester examination

Program Specific Outcomes (PSOs):

1. Psychometrics and Assessment: Students will demonstrate proficiency in psychometric assessment techniques, utilizing standardized tools to measure psychological constructs accurately and ethically.
2. Students will learn to conduct comprehensive neuropsychological and psychodiagnostics evaluations, develop clinical assessment skills, and create treatment plans to diagnose and manage neurological and psychological disorders effectively.
3. Climate Change and Mental Health Interventions: Students will be equipped to address the psychological impacts of climate change, designing interventions to promote mental well-being in the face of environmental challenges.

**M.Sc. Psychology
Semester III**

CC- A09 Psychometrics (241/MPSY/CC 301)
Credits: 4 (Hrs./week: 4)

Maximum Marks: 100
Theory Examination: 70
Internal Assessment: 30 Max.
Time: 3 Hrs.

Note: The question paper will consist of four Units containing eight questions with internal choice from each unit i.e. two questions from each unit. The candidate will be required to answer five questions in all. Four questions will have to be attempted from four units and the fifth question which is compulsory shall be of short answer type question covering the entire syllabus. All the questions shall carry equal marks i.e. 14 each from the I to IV units and 5" compulsory question shall be divided into seven short answer questions of 2 marks each i.e. $7 \times 2 = 14$ thus making it the total weight age to 70 marks.

Course Outcomes:

- Students will demonstrate a comprehensive understanding of psychological measurement, including theoretical underpinnings, types of testing, sources of bias, and ethical considerations.
- Students will be proficient in various psychological scaling methods such as paired comparison, rank order, and equal appearing intervals, and will be able to classify data according to levels of measurement (nominal, ordinal, interval, ratio)
- Students will attain competence in test standardization, including the ability to assess reliability and validity.
- Students will exhibit proficiency in advanced statistical techniques such as regression analysis and factor analysis

UNIT-I

Psychological Measurement: Meaning, Theoretical issues, Types of psychological testing, Sources of Biasness, Ethics of testing.

Psychological scaling Methods: Paired comparison, Rank order, Equal appearing intervals, Levels of Measurement: Nominal, Ordinal, Interval, Ratio.

UNIT-II

Test construction: - Item writing (Item Difficulty & Item Discrimination), Item analysis (Classical Test Theory & Item response theory), Standardization and Norms: Types & Development

UNIT-III

Test Standardization: Reliability and Validity

Reliability: Basic concept and Methods of estimate, Factors affecting reliability.

Validity: Meaning and Purpose. Validation procedure: Types and purpose. Special problems of reliability and validity.

UNIT-IV

Regression: Concept, Assumptions and Types (Linear and Multiple Regression). Methods of Multiple Regression and Prediction

Factors analysis: Assumptions and Applications, Methods of Factor Analysis: Principal Component Analysis & Confirmatory Factor Analysis. Rotation of factors: Orthogonal and Oblique Techniq

Suggested Readings:

1. Aiken, L.R., & Groth-Marnat, G. (2009). Psychological Testing and Assessment. New Delhi: Pearson Education.
2. Anastasi, A., & Urbina, S. (1997). Psychological Testing (7th Ed.). New Delhi: Pearson Education.
3. Chadha, N. K. (2009). Applied Psychometry. New Delhi: Sage.
4. Gregory, R. J. (2011). Psychological Testing: History, Principles, and Applications (6th Ed.). Boston: Allyn & Bacon.
5. Garrett, H.E. (1967). Statistics in Psychology and Education. Bombay: Vakils, Feffer and Simons Pvt. Ltd.
6. Kaplan, R.M., & Saccuzzo, D. P. (2012). Psychological testing: Principles, applications and issues (8th ed.). New Delhi: Cengage.
7. Guilford, J.P. and Benjamin, F. (1973) Fundamental Statistics in Psychology and Education. New York: Tata McGraw-Hill Publishing Company Limited New Delhi.
8. Kline, P. (1993). The Handbook of Psychological Testing. London: Routledge.
9. Miller, A.M, Lovler, R and McIntire, S.A (2013). Psychological Testing A Practical Approach. SAGE Publications India Pvt. Ltd.
10. Murphy, K.R and Davidshofer C.O (2019). Psychological Testing Principles and Applications. Pearsons India Education services Pvt. Ltd.
11. Kline, T. J. B. (2005). Psychological Testing. New Delhi: Vistaar Publication
12. Rust, J., & Golombok, S. (2009). Modern psychometrics: The science of psychological assessment. London and New York: Routledge.
13. Nunnally, J.C. (1967). Psychometric Theory. New York: McGraw Hill.
14. Singh, A.K. (2006). Tests Measurements and Research Methods in Behavioural Sciences. New Delhi: Bharati Bhawan.
15. Srivastava, A.B.L and Sharma, K.K, 1st May 1969, Elementary Statistics in Psychology and Education: New Delhi: Sterling Publishers Pvt.Ltd.
16. Guilford, J.P (1956). Psychometric method. Tata McGraw-Hill Publishing Company Limited New Delhi.

**M.Sc. Psychology
Semester III**

CC-A10 Neuropsychology (241/MPSY/CC 302)

Credits: 4 (Hrs./week: 4)

**Maximum Marks: 100
Theory Examination: 70
Internal Assessment: 30
Max. Time: 3 Hrs.**

Note: The question paper will consist of four Units containing eight questions with internal choice from each unit i.e. two questions from each unit. The candidate will be required to answer five questions in all. Four questions will have to be attempted from four units and the fifth question which is compulsory shall be of short answer type question covering the entire syllabus. All the questions shall carry equal marks i.e. 14 each from the I to IV units and 5" compulsory question shall be divided into seven short answer questions of 2 marks each i.e. $7 \times 2 = 14$ thus making it the total weight age to 70 marks.

Course Outcomes:

- Students would be able to understand the nature and scope of Neuropsychology as well as methods of studying brain.
- Students would be able to understand various types of injuries and blood circulation in the brain.
- Students would be able to understand various types of tumors and age related neurological disorders.
- Students would be able to demonstrate various kinds of Neuropsychological assessment and rehabilitation.

Unit-I

Neuropsychology: History, Nature, Approaches, scope.

Methods of studying brain activities: Invasive and non-invasive techniques.

Unit-II

Blood circulation in the brain, Cerebrovascular Accidents (CVAS),

Transient Ischemic Attack (TIA). Thrombosis and Hemorrhage- symptoms and management.

Traumatic Brain Injury (TBI), Closed Head injuries, Open head injuries,

Concussion: causes, symptoms and management

Unit-III

Intracranial tumors- Types, diagnosis, symptoms and management.

Degenerative Disorders: Dementia, Alzheimer's and Parkinson's: Causes, symptoms and management

Unit-IV

Neuropsychological assessment batteries: PGI battery of brain dysfunction, AIIMS Neuropsychological battery.

Neuropsychological rehabilitation

Suggested Readings:

1. Bolles, F., & Grafman, J. (1988). Handbook of Neuropsychology. New York: Elsevier.
2. Carlson, Neil. R. (2005). Foundations of Physiological Psychology. (6th Ed. LPE), New Delhi: Pearsons – Education.
3. Beaumont, J. G. (2008). Introduction to neuropsychology (2nd ed.). Guilford Press.
4. Lezak, M. D. (2012). Neuropsychological assessment (5th ed.). Oxford University Press.
5. Dimond, S.J. (1980). Neuropsychology: A textbook of systems and psychological functions of the human brain. Butterworths: London-Boston.
6. Goldstein, L. H., & McNeil, J. E. (Eds.). (2012). Clinical neuropsychology: A practical guide to assessment and management for clinicians. John Wiley & Sons.
7. Heilman, M. K. M., & Valenstein, E. (2010). Clinical neuropsychology. Oxford University Press.
8. Filskov, S.B., & Boll, T.J., (1981). Handbook of Clinical Neuropsychology. New York: John Wiley.
9. Kolb, B., & Whishaw, I. Q. (2018). Fundamentals of human neuropsychology. Worth.
10. Goldstein, G., & Hersen, M. (1984). Handbook of Psychological Assessment. New York: Pergamon.
11. Parritz, R., & Troy, M. (2013). Disorders of childhood: Development and psychopathology. Nelson Education.
12. Grahm, R.B., (1990). Physiological Psychology. California: Wadsworth.
13. Hersen, M., Kazdin, A.E., & Bellack A.S. (1991). The Clinical Psychology Handbook. New York: Pergamon.
14. Jarvis, P.E., & Jeffery, T. Barth (1994). Halstead- Reitan Neuropsychological Test Battery: A Guide to Interpretation and Clinical Application. Florida: Psychology Assessment Resources Inc.
15. Kolb, B., & Whisaw, I.Q. (1990). Fundamentals of Human Neuropsychology. New York: Freeman, W.H.
16. Walsh, K. (1994). Neuropsychology: A Clinical Approach. New Delhi: Churchill Livingstone.
- Zillmer, E.A., Spiers M. V., & Culbertson, W.C. (2008). Principles of Neuropsychology. Stanford: Wadsworth Thomson.

M.Sc. Psychology

Semester III

CC –A11 Psychodiagnostics & Practical (241/MPSY/CC 303)

Credits: 4 (Hrs. /week: 6)

Maximum: Marks:100

Theory Examination: 35

Internal Assessment: 15

Practical Examination: 35

Practical Assessment: 15

Time: 3 hrs.

Note: The students will be required to attempt four questions in all. Question No. I will be compulsory comprising of 5 short answer type questions of 1 mark each and will cover the entire syllabus $1 \times 5 = 5$ marks. In addition to it, Question Nos. II to V will consist of long answer (essay type) questions, two Questions from each Unit with internal choice carrying 15 marks each i.e. $2 \times 15 = 30$ marks thus making it the total weight age to 35 marks. Three questions to be attempted. One from each unit.

Course Outcomes:

- Students would be able to understand how different Cognitive and Personality Assessment methods are used.
- Students would be able to understand the concept of different methods of assessing Neuropsychological domains.
- Students would be able to understand the method of integrating and reporting the results of different tests.

Unit-I

Nature of Psychological Assessment: Case Study, History taking, Interview, Observation and Mental Status Examination. Ethics of Psychological Testing.

Diagnosis and Classification System: DSM, ICD.

Unit-II

Psychological Assessment: Cognitive and Personality Assessment

Cognitive Assessment

Wechsler Intelligence Scale: WAIS, WISC-IV, WPPSI-R

Non-Verbal Group Ability Test: Kaufmann Brief Intelligence Test (K-BIT) and

Goodenough-Harris Drawing Test, Bhatia Battery

Personality Assessment

Questionnaire and Projective Tests: Rorschach and TAT, Sentence Completion test, Word

Association Test

MMPI, 16PF, EPI

Suggested Readings:

1. Beck, S.J. (1978). *Rorschach's Test*. New York :Grune& Stratton.
2. Bellack, L. (1954). *The Thematic Apperception Test and Children's Apperception Test in Clinical Use*. New York: Grune& Stratton.
3. Hersen, M. (2004). *Comprehensive Handbook of Psychological Assessment*. Volumes I to IV.
4. Pomerantz, A. M. (2011). *Clinical Psychology: Science, Practice & Culture* (2nd Ed.). New Delhi: Sage.
5. Aiken, L.R. & Groth- Marnat, G. (2009). *Psychological Testing and Assessment* (12th ed) Delhi: Pearson.
6. Campbell, J.P.; et al. (1973). The development and evaluation of behaviourally based scales. *Journal of Applied Psychology*, 54: 15-22.
7. Lezak, M. D. (2004). *Neuropsychological Assessment*. (4th ed.) NY.: Oxford University Press.
8. Chapman, L.J.; & Chapman, L.P. (1968). Illusory correlation as an obstacle to the use of valid psychodiagnostics signs. *Journal of Abnormal Psychology*, 74: 271-280.
9. Choe, P.; & Shanley (1986). Factor analysis of MCMI. *American Psychologist*, 54 (2): 53- 256.
10. Ciminero, A.R.; et al. (Eds.)(1986). *Handbook of Behavioural Assessment*. New York: John Wiley.
11. Harsen, M.; & Bellack, A.S. (Eds.) (1981). *Behavioural Assessment : A practical handbook*

PRACTICAL

Course Outcomes:

- Students would acquire the ability to administer, interpret and report psychological tests.
- Students would gain proficiency in data analysis using statistical software.
- Students would gain specialized applied knowledge in specific areas of psychology.

Note: Each student would perform six tests from the areas mentioned below along with two from computer applications. The list of exact problems would be decided by the concerned teachers. It would be mandatory for each student to submit a record file duly signed by the respective teachers. Evaluation would be based on performance in conduct, written and viva.

Any three test from the following:

1. Bhatia Battery
2. Neuropsychological Battery
3. MISC (Malins Intelligence Scale for Indian Children)
4. Binet Kamat Scale
5. General Health Questionnaire

Any three experiments from the following areas:

1. Normal probability curve
2. Regression
3. T-test
4. Two-Way ANOVA
5. Post-Hoc Analysis

**M.Sc. Psychology
Semester III**

The student has to opt one from the following two discipline specific courses

DSE-03 Clinical Psychology (241/MPSY/DS 304)

Credits: 3 (Hrs./week:3)

Maximum Marks: 75

**Theory Examination:
50**

**Theory Assessment: 25 Max.
Time:3 Hrs.**

Note: The students will be required to attempt four questions in all. Question No. I will be compulsory comprising of 4 short answer type questions of 2 marks each and will cover the entire syllabus $4 \times 2 = 8$ marks. In addition to it, Question Nos. II to VII will consist of long answer (essay type) questions, two Questions from each Unit with internal choice carrying 14 marks each i.e. $3 \times 14 = 42$ marks thus making it the total weight age to 50 marks. Three questions to be attempted. One from each unit.

Course Outcomes:

- Students would gain knowledge about role and responsibilities of Clinical psychologist along with related issues.
- Students would be able to apply the knowledge about various methods used to study the behavioral patterns of individuals with clinical diagnosis.
- Students would gain knowledge about nature of Psychotherapies and Biologically based Therapies.
- Students would gain knowledge of various therapies and interventions in Clinical Psychology.

UNIT-I

Clinical Psychology: Nature, Historical overview, Clinical psychology as a profession, Roles and responsibilities of clinical psychologists.

Issues in Clinical Psychology: Professional training, Professional regulation, Professional ethics.

UNIT-II

Psychotherapy: Meaning, Nature, General Principles and Types.

Biologically Based Therapies: Early attempts in biological therapies, ECT, Pharmacological therapy.

UNIT-III

Psychologically Based Therapies I: Psychoanalytic, Behavioristic- Brief

Graduated exposure and prolonged intense exposure therapies,
 Client- centered, Existential.
 Psychologically Based Therapies II: Cognitive- behaviour therapy,
 Rational- emotive therapy, Gestalt therapy, Mindfulness based stress
 reduction therapy.

Suggested Readings:

1. Bellack, A. S. & Hersen, M. (1980). Introduction to Clinical Psychology. New York: Oxford University Press. Nietzel, M. T., Bernstein, D. A.
2. Carr, A. (2012). Clinical Psychology: An Introduction. New York: Routledge.
3. Millich, R. (1994). Introduction to Clinical Psychology. New Jersey: Prentice Hall.
4. Trull, T. J. & Phares, E. J. (2001). Clinical Psychology: Concepts, Methods and Problems. US: Wadsworth.
5. Nevid, J.S., Rathus, S.A. & Greene, B. (2014). Abnormal Psychology in a Changing World. New York: Pearson. Hecker, J.E. & Thorpe, G.L. (2005). Introduction to Clinical Psychology: Science, Practice and Ethics. Delhi: Pearson.
6. Carson, R.C., Butcher, J.N., Mineka, S. & Hooley, J.M. (2007). Abnormal Psychology. New Delhi: Pearson.
7. Pomerantz, A. M. (2011). Clinical Psychology: Science, Practice & Culture. New Delhi: Sage .
8. Claringbull, N. (2011). Mental Health in Counseling and Psychotherapy. UK: Short Run Press.
9. Singh, A. K. (2005). Advanced Clinical Psychology. Delhi: Moti Lal Banarsi Das.
10. Herson, M., Kadzin, A.E. and Bellack, A.S. (1983). The Clinical Psychology Handbook. New York: Pergamon. Carr, A. (2012). Clinical Psychology: An Introduction. New York: Routledge

OR**DSE-03 Military Psychology (241/MPSY/DS 305)****Credit: 3**

Maximum Marks: 75
Theory Examination: 50
Internal Assessment: 25
Time: 3 Hour

Note: The students will be required to attempt four questions in all. Question No. I will be compulsory comprising of 4 short answer type questions of 2 marks each and will cover the entire syllabus $4 \times 2 = 8$ marks. In addition to it, Question Nos. II to VII will consist of long answer (essay type) questions, two Questions from each Unit with internal choice carrying 14 marks each i.e. $3 \times 14 = 42$ marks thus making it the total weight age to 50 marks. Three questions to be attempted. One from each unit.

Course Outcomes:

- Analyze contemporary issues and emerging trends in military psychology.
- Assess psychomotor skills, spatial abilities, interests, aptitudes, and personality for military selection.
- Foster group cohesion and morale, understanding leadership and subordination dynamics.

UNIT- I

Military Psychology: Nature, Scope, Historical perspective, Application, Developments, Contemporary issues and Emerging trends. Use of psychological tests in selection in the Defence Services

UNIT-II

Selection and Training of Military Personnel: Assessment of psychomotor, spatial abilities, interest, aptitudes, and personality; Training- training needs analysis, types and methods of training, evaluation and monitoring.

UNIT- III

Leadership in Military: Effective leadership, Leading small and large units, Leadership in peace and war, Leadership for change and stability, Leadership and subordination, Group cohesion and morale.

Suggested Readings:

1. Hall, R., & Mangelndroff, D. (1991). Handbook of military psychology. John Wiley: USA.
2. Kennedy, C.H., & Zillmer, E.A. (2006). Military psychology: Clinical and operational applications. Guilford: New York, USA.
3. Ramachandran, K. (in press). Handbook of military psychology. Delhi: DIPR.
4. Reuven, G., Adavid, M., & S Dorff, .A.(1991), Handbook of Military Psychology. USA, John Wiley Sons.
5. Shalit, B. (1988). The psychology of conflict and combat. Praeger: NY

M.Sc. Psychology
Semester IV

DIE Dissertation (241/MPSY/DI 401)

Credits: 4 (Hrs./week:4)

Maximum Marks: 500
Theory Examination: 350
Internal Assessment: 150
Time: 3hrs.

At the beginning of the fourth Semester each student will be required to select a topic of his / her interest area in consultation with the teacher supervisor to conduct research-based project. Students will be required to collect data from subjects. After the analysis of results, students will submit two typed copies of Supervised Project Report of the work completed to the concerned supervisor.

Submission: Two signed typed copies of Supervised Project will be submitted by the students.

Evaluation: Supervised Project will be evaluated by the external examiner.

Distribution of Marks

Report	Viva-Voce	Total
350	150	500