

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

**Syllabus for M. Sc. Clinical Psychology
(Effective for Academic Session 2021-2022)**

M.Sc. – Clinical Psychology

Course Objective:

1. This 2-yr PG-programme on MSc. in Clinical Psychology will provide practicing, ethical knowledge on Clinical Psychology.
2. The course has an interdisciplinary and holistic academic approach.
3. After completion of this course the students will achieve the required skills and competencies required by the industry to function as a professional.
4. The expertise gained from this course will enable the student to function as a professional in various inter-related grounds of operation that includes not only the field of psychology, but also at the larger plane of the health sector, academic sector, in the HR division of the corporate sector.
5. It will nurture the students towards academic interest in clinical psychology along with their personal growth of their own personality and awareness towards the development of society at large.
6. It will provide further interest in the student for higher research.
7. The Specialization in the area of Psychodynamic Orientation in Clinical Psychology is most unique in the country, incorporated within the syllabus of an MSc programme in Clinical Psychology.

Eligibility: Graduation in Social Sciences & Liberal Arts (preferably in Psychology but not mandatory)

Duration: 2yrs

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

Syllabus for M. Sc. Clinical Psychology

(Effective for Academic Session 2021-2022)

Curriculum Structure

Year	Semester	Paper Code	Paper	Marks	Credit
1 st	1 st	MCP-101	Cognitive Psychology	100	4
"	"	MCP-102	Physiological Psychology	100	4
"	"	MCP-103	Theories of Personality Structure	100	4
"	"	MCP-104	Application of Psychology in Community	100	4
"	"	MCP-181	Field Work	100	4
		MCP-191	Personality & IQ Assessment	100	4
			TOTAL	600	24

Year	Semester	Paper Code	Paper	Marks	Credit
1 st	2 nd	MCP-201	Developmental Psychology	100	4
"	"	MCP-202	Fundamentals of Clinical Psychology	100	4
"	"	MCP-203	Research methodology	100	4
"	"	MCP-204	Statistics in Psychology, Scale Construction	100	4
"	"	MCP-291	Projective Techniques	100	8
			Total	600	24

Year	Semester	Paper Code	Paper	Marks	Credit
2 nd yr	3 rd	MCP-301	Advanced Psychopathology	100	4
"	"	MCP-302	Childhood & Developmental Disorders	100	4
"	"	MCP-303	Psychotherapy & Counseling 1	100	4
		MCP-304	Psychotherapy Processes	100	4
		MCP-305	Clinical Assessment & Intervention	100	4

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

Syllabus for M. Sc. Clinical Psychology

(Effective for Academic Session 2021-2022)

“	“	MCP-391	Observation Clinical Assessments (Case History Taking & Psychometric Evaluation) on Out-door Clients . Observation and clinical symptoms rating scale application	100	4
			Total	600	24

Year	Semester	Paper Code	Paper	Marks	Credit
2nd yr	4th	MCP-401	Psychotherapy	100	4
“	“	MCP-402	Health Psychology	100	4
“	“	MCP-481	Seminar	100	2
“	“	MCP-491	Clinical Assessments (Case History Taking & Psychometric Evaluation) on Out-door Clients (adult cases) Observation and clinical symptoms rating scale application	100	4
“	“	MCP-492	Internship	100	4
		MCP-493	Dissertation	100	6
			Total	600	24

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

Syllabus for M. Sc. Clinical Psychology

(Effective for Academic Session 2021-2022)

Semester-I

Theory:

MCP-101: Cognitive Psychology:

• **Unit-1: Attention and Learning – 10hrs**

Attention Processes: Selective Attention, Divided Attention and Sustained Attention

Theoretical Perspectives: Broadbent, Treisman, Deutche & Norman.

Latent learning, insight learning, observation learning

Theoretical Perspectives- Skinner, Hull, Tolman

• **Unit-2: Psycho-physics & Perceptual System – 16hrs**

Introduction to Psycho-physics. Classical approach and modern approach: Weber's Fechner's law, Stevens Power Law, Methods of psychophysics.

Theory of Signal Detection. Information Processing Approach- Serial and Parallel Processing

Theories of Perception: Gestalt approach, Top –Down vs. Bottom Processing, Information Processing; Pattern Recognition: Feature detection analysis, Template matching, Prototype matching

Brain and Perception: Dorsal and Ventral pathways; Disruptions of Perceptions: Illusions and Agnosia.

• **Unit-3: Memory – 14hrs**

Atkinson and Shiffrin's Model, W. James Implicit and Explicit , Craik and Lockhart, Tulving, Trace Model and Network Model

Sensory memory, Short Term Memory; Working Memory approach. Encoding in LTM; Retrieval in LTM, Explicit versus Implicit Memory tasks, Declarative and Non-declarative, Autobiographical Memory; Flashbulb Memories

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

Syllabus for M. Sc. Clinical Psychology

(Effective for Academic Session 2021-2022)

MCP-102: Physiological Psychology:

- ***Unit-1: Study of the Nervous System – 16hrs***

Basic features of the Nervous System, Meninges, Ventricular System, Cerebrospinal Fluid, Blood Brain Barrier.

Peripheral Nervous System: Cranial Nerves, Spinal Nerves, Autonomous Nervous System.

Major structures and functions of the Spinal Cord and the Brain: Fore Brain, Mid-brain, Hind-brain.

Cerebral cortex: frontal, temporal, parietal and occipital lobes.

- ***Unit-2: Bio-psychology of Consciousness – 8hrs***

Physiological correlations of Arousal: consciousness and sleep; Factors affecting consciousness. Sleep: Stages of sleep, brain mechanisms of sleep and dreaming, physiological mechanisms of sleep and waking, disorders of sleep

- ***Unit-3: Bio-psychology of Emotion, Stress & Health – 16hrs***

Physiological correlates of emotions, anxiety and aggressive behavior. P

Physiology of Stress and related diseases (Headache, Cardiovascular diseases, Hypertension, Diabetes, Asthma, Rheumatoid Arthritis)

Stress related Psychological Disorders

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

**Syllabus for M. Sc. Clinical Psychology
(Effective for Academic Session 2021-2022)**

MCP-103: Theories of Personality Studies

- **Unit-1: Psycho-dynamic Theory – 16hrs**
Classical psychoanalysis: Freud, Neo-Freudian: Jung, Adler, Erikson, Object Relations
- **Unit-2: Behavioural & Trait Theory -14hrs**
Radical Behaviorism: Skinner; Social Learning: Dollard and Miller; Social Cognitive Theorist: Bandura, Allport, Cattell
- **Unit-3: Humanistic Theory – 10hrs**
Maslow, Rogers, Frankl, Kelly and Rollo May

MCP-104: Application of Psychology in Community

- **Unit-1: Organizational Psychology – 12hrs**
Industrial & Organizational Psychology.
Scope and Emergence and Advancement of Organizational Selection Placements, Performance Appraisal, Work Environment
- **Unit-2: Socio-cultural Psychology – 14hrs**
Pro-social Behavior, helping, altruism
Anti Social Behavior, Aggression, Crime and Terrorism; Personal and Situational Influences. Aggression: Theories of aggression
- **Unit-3: Gender Psychology – 14hrs**
Gender Identity formation, Stereotypes, Bem's model

Practical:

1. MCP-181: Field Work
2. MCP-191: Personality & IQ Assessment

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

Syllabus for M. Sc. Clinical Psychology

(Effective for Academic Session 2021-2022)

Semester-II

Theory:

MCP-201: Developmental Psychology

• **Unit-1: Cognitive Dev – 12hrs**

Jean Piaget, Vygotsky: A Social Contextual Approach

• **Unit-2: Social Dev & Gender – 16hrs**

Theory of the Mind; Emotional Development, Attachment Theories: Bowlby and Winnicott.

Sex Differences and Gender Role, Socialization

• **Unit-3: Developmental Disability – 12hrs**

Low birth-weight infants and Prognosis

Visual Handicap and Development; Auditory Handicap and Development

Dyslexia and Learning Disability

MCP-202: Fundamentals of Clinical Psychology

• **Unit-1: Basics of Clinical Psychology, Classification & Diagnosis – 12hrs**

Nature and Purpose of Assessment in Clinical Psychology, Methods, Diagnostic Criteria

Introduction to Models of Psychopathology: Psychoanalytic, Behavioural, Cognitive, Information processing and Biological Models. Socio-biology of health and Disease, Diagnostic classification of mental and behavioural disorders.

Case-history taking and Mental status examination; Disorders of attention, perception,.

• **Unit-2: Substance Related – 16hrs**

Disorders : Alcohol, Types of Substances

Depressants, Stimulants, Hallucinogens, Sedative-Hypnotics

Clinical Characteristics, Aetiology, Models of Alcohol Addiction & Other Substance Dependence

• **Psycho-social Rehabilitation – 12hrs**

Community Mental Health: Definition and Concept, Primary Care, Secondary care, Tertiary care. Rehabilitation- Concept of Rehabilitation - Psychiatric and Psychological

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

**Syllabus for M. Sc. Clinical Psychology
(Effective for Academic Session 2021-2022)**

MCP-203: Research Methodology

- **Unit-1: Foundations of Quantitative & Qualitative Research – 10hrs**

Introduction, Purpose and need, Experimental, Exploratory, Correlational, Descriptive research. subjectivity in qualitative research

Foundation of Qualitative Research

Concept of qualitative research, Difference between qualitative and quantitative research, Methods of qualitative research.

- **Unit-2: Sampling Techniques & Data Collection – 15hrs**

Population, Sampling Technique, Probability and Non-probability Sampling, Assumptions, Observational Method, Case-study Method, Questionnaire Method, Interviewing Method

- **Unit-3: Research Designs – 15hrs**

Between Group Designs, Within Group Designs, Mixed Designs, Latin Square Design, Non and Quasi Experimental Designs, Correlational Designs

MCP-204: Statistics in Psychology

- **Unit-1: Test Construction & Standardization – 8hrs**

Reliability, Validity, Norms, Scale Construction

- **Unit-2: Mean Differences & Factor Analysis – 16hrs**

Parametric and Non-parametric tests, ANOVA, ANCOVA, Mann Whiney U test

- **Unit-3: Relationship & Prediction – 16hrs**

Correlation product moment, Rank difference, Biserial, Point Biserial, Multivariate Correlation, Regression Analysis

Practical:

1. MCP-291: Projective Technique, Scale Construction

Unit 1- TAT and Orientation to CAT

Unit 2- RIB, PFT

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

**Syllabus for M. Sc. Clinical Psychology
(Effective for Academic Session 2021-2022)**

Semester-III

Theory:

MCP-301: Advanced Psychopathology

• ***Unit-1: Personality Disorders – 10hrs***

Clusters of PD, Differential Diagnosis, Aetiology, Theories of PD

• ***Unit-2: Sexual Disorders – 10hrs***

Disorders of Desire, Disorders of Excitement, Disorders of Orgasm and Disorders of Sexual Pain –Symptoms & Aetiology

• ***Unit-3: Anxiety & Psychosomatic Disorders – 10hrs***

Generalized Anxiety Disorder, Phobia, Panic Disorder, Obsessive Compulsive Disorder, Acute Stress Reaction and Post Traumatic Stress Disorder, Dissociative disorders- Symptoms & Aetiology

• ***Unit-4: Psychopathology of Psychotic Disorders – 10hrs***

Classification , etiology and intervention of Mood Disorders, Schizophrenia Delusional Disorder, Brief Psychotic Episode, Post Partum Psychosis)- Symptoms & Aetiology

MCP-302: Childhood & Developmental Disorders

• ***Unit-1: Mental Retardation & Pervasive Mental Disorders – 14hrs***

(History, Nomenclature and Classification of Mental Retardation, Concept of PDD. Autism, Asperger's Syndrome, Rett's Disorder and Childhood Disintegrative Disorder.

• ***Unit-2: Learning Disorder & Externalized Disorders – 12hrs***

SLD, Attention Deficit Hyperactivity Disorder;
Disruptive Behaviour Disorder: Conduct Disorder, Oppositional Defiant Disorder

• ***Unit-3: Eating & Elimination Disorders – 14hrs***

Pica, Rumination Disorder, Anorexia Nervosa, Bulimia Nervosa, Enuresis, Encopresis

MCP-303: Psychotherapy & Counseling 1

• ***Unit-1: Basics of Therapy & Counseling Skills & Functions of Psychotherapist – 10hrs***

• ***Unit-2: Diff Schools of Therapy, CBT, Psychodynamic, Humanistic – 20hrs***

• ***Unit-3: Counseling & Ethics – 10hrs***

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

Syllabus for M. Sc. Clinical Psychology

(Effective for Academic Session 2021-2022)

MCP-304 Psychotherapy Processes

- Unit 1 : Introduction to Psychotherapies , Importance and limitations -10 hrs
- Unit 2:Behaviour and Cognitive Behaviour Therapies: Techniques, Stages, Effectiveness, Limitations, Indications and Contraindications-16 hrs
- Unit 3: Therapies: Acceptance and Commitment Therapy,, Mindfulness Based Cognitive Therapy , Rational Emotive Behaviour Therapy -14 hrs

MCP-305 Clinical Assessment and Intervention

- Unit 1 : Anxiety disorders- assessment using psychometric tools, Assessment and Management for anxiety disorders, using different approaches to treatment (CBT/ BT, IPT)-10 hrs
- Unit 2: Mood disorders (Depression and bipolar affective disorder)- Assessment and Management for mood disorders (CBT/ BT, IPT, Family and couple therapy)-16 hrs
- Unit 3:Schizophrenia related disorders- symptoms assessment, management plan and rehabilitation-14 hrs

Practical:

MCP-391. Clinical Assessment (Case History Taking & Psychometric Evaluation) on Out-door Clients

Observation and clinical symptoms rating scale application.

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

**Syllabus for M. Sc. Clinical Psychology
(Effective for Academic Session 2021-2022)**

Semester-IV

Theory:

MCP-401: Psychotherapy

- **Unit 1:** Client Centered, Existential and Gestalt Therapy: Techniques, Stages, Effectiveness, Limitations, Indications and Contraindications. -**10Hrs**
- **Unit 2:** Play Therapy, . Group Therapy, Psychodrama and Role Playing-14 hrs
- **Unit 3:** Family Therapy and Couples Therapy, Interpersonal therapy:-Importance, steps- 16 Hrs

MCP-402: Health Psychology:

- Unit 1: Health Psychology Aims and objectives of Health Psychology, Challenges for the future. Theories of health behaviour: Attributive theory, Health Locus of Control, Health Belief Model.-12 hrs
- Unit 2: Role of Behavioural factors / Life style in Disease & Disorders: CAD, HIV and Obesity.-12 hrs
- Unit 3: Stress & coping: Concept, Definition and Sources of Stress. Stress Models: Fight or Flight, General adaptation Syndrome; Life events theory, Transactional model. Types of coping strategies.-16hrs

MCP-481: Seminar

Practical:

MCP-491: Clinical Assessments (Case-history Taking & Psychometric Evaluation on Out-door Clients (adult case) Observation and clinical symptoms rating scale application

MCP-492: Internship

MCP-493: Dissertation

Reading List:

- Schneider M Alles (1990) – An Introduction to Physiological Psychology
- Rosenweig, M. R, Leiman, et all (1999) – Biological Psychology: Introduction to Behavioural, Cognitive, Clinical Neuroscience

Maulana Abul Kalam Azad University of Technology, West Bengal

(Formerly West Bengal University of Technology)

**Syllabus for M. Sc. Clinical Psychology
(Effective for Academic Session 2021-2022)**

- Wallace, B & Fisher, L. E (1991) – Consciousness & Behaviour
- Margeret W Matlin (2013) – Cognitive Psychology
- Goldstein B E (2010) – Sensation & Perception
- Hall, C. S, Lindzey, et all (2002) – Theory of Personality
- J & G Feist (2001) – Theories of Personality
- Aronson, Wilson, Akert (2013) – Social Psychology
- Schultz & Schultz (1973) – Psychology & Work Today
- Minton, H. L (2000) – Psychology & Gender at the Turn of the Century
- Kerlinger, N (1996) – Foundations of Behavioural Research
- Anastasi, A (1988) – Psychological Testing
- Singh, A.K (1997) – Test, Measurements & Research Methods in Behavioural Sciences
- Berk, L. E (2016) – Exploring Life-span Development
- Kail R V (2001) – Children & Their Development
- Hart, C (2006) – Doing Your Masters Dissertation
- Sadock, B. J, & Sadock V. A (2015) – Kaplan & Sadock’s Synopsis of Psychiatry
- American Psychiatric Association (2013) – Diagnostic & Statistical Manual of Mental Disorders, 5th ed.
- Woolfe, R., Strawbridge, S et all (2009) – Handbook of Counselling
- Wing J. K, Morris, B (1981) – Handbook of Psychiatric Rehabilitation Practise.
- Sharf R. S (2000) – Theories of Psychotherapy & Counselling Concepts & Cases
- Palmer, S (1999) – Introduction to Counselling & Psychotherapy
- Brems, C (2001) – Basic Skills in Psychotherapy & Counselling
- Izzard, S & Barden, N (2001) – Rethinking Gender & Therapy: The Changing Identities of Women
- Freud, S – Complete Works of Freud