



**Centurion**  
UNIVERSITY

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# CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT ANDHRA PRADESH

## SYLLABUS

<b>School of Forensic Sciences</b>			
Name of the Programme: <b>M.Sc/MA Criminal &amp; Forensic Psychology</b>			
<b>Programme</b>	Masters	<b>Branch/Spec.</b>	Forensic Psychology
<b>Semester</b>	4	<b>Version</b>	I
<b>Effective from the Academic Year</b>	2026-27	<b>Effective for the batch Admitted in</b>	2026

Semester	I							
<b>Subject Code</b>	M1A01FHB		<b>Subject Name</b>		Foundations of Human Behaviour			
<b>Teaching scheme</b>				<b>Examination scheme (Marks)</b>				
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	3	1	00	4	Theory	30	70	100
Hours	45	15	00	60	Practical	00	00	00

### Content:

Unit	Subject Content	Hrs
1.	<b>Introduction to Psychology</b> Definition, Historical Development, Scope and Application	60 Hours
2.	<b>Approaches to psychology</b> Psychoanalysis, Behaviourism, Cognitive and Humanistic approaches to psychology	
3.	<b>Concept of Cognition and Intelligence</b> Definition, theories of intelligence, classification and intellectual disabilities	
4.	<b>Emotion and Motivation</b> Definition and theories of emotion and motivation	
5.	<b>Memory</b> Concept of memory and its type; short-term and long-term memory, declarative and procedural memory.	

<b>6.</b>	<b>Development and attachment</b> Concept of development and attachment, Cognitive, social and moral developmental theories and experiments
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**Practical Content:**

**Reference Books:**

1. Moore, S. J., (2019). The Foundations of Psychology, Wenworth Press, Cooper Street, Surry Hills, Sydney.
2. C.T Morgan, R.A. King, J.R Weisz & J Schopler (2014). Introduction to Psychology 7<sup>th</sup> Eds, Tata McGraw Hill Education Limited, Delhi, India
3. Pillsbury, W. B., (2012). The Fundamentals of Psychology, Nabu Press, South Carolina, USA
4. Donald K. Freedheim & Irving B. Weiner, Handbook of Psychology, Vol-1 to 12, (2003). John Wiley & Sons, Inc.
5. Barlow, D.H. & Durand, V.M. (1999). Abnormal psychology: An integrative approach (2<sup>nd</sup> ed.). Pacific Grove: Brooks/Cole.
6. Carson, R.C., Butcher, J.N., & Mineka, S. (2001). Abnormal psychology in modern life (11<sup>th</sup> ed). New York. Allyn and Bacon.
7. Kaplan, H.I., Saddock, B.J. & Gribb, J.A. (1994). Synopsis of psychiatry. New Delhi. B.I Waruly.
8. Lamm. A. (1997). Introduction to psychopathology. New York : Sage.



<b>Subject Code</b>	M1A02AFP	<b>Subject Name</b>			Applied Forensic Psychology			
<b>Teaching scheme</b>					<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	3	1	00	4	Theory	30	70	100
Hours	45	15	00	60	Practical	00	00	00

**Content:**

<b>Unit</b>	<b>Subject Content</b>	<b>Hrs</b>
<b>1</b>	<b>Introduction to Forensic Psychology</b> Overview of Forensic Psychology, Historical Perspective of Forensic Psychology, Intersection of Psychology and the Legal System, Ethical Issues in Forensic Psychology, Role of the Forensic Psychologist in the Legal System	60 Hours
<b>2</b>	<b>Theories of Criminal Behaviour</b> Psychological Theories of Crime (e.g., Psychodynamic, Behavioural, Cognitive), Biological Theories of Crime (e.g., Genetics, Neurobiology), Sociological Theories of Crime (e.g., Social	

	Learning, Strain, Labelling), Integrated Theories of Criminal Behaviour, Application of Theories in Forensic Settings	
<b>3</b>	<b>Psychology behind particular crimes and Impact of Violence</b> Psychology of financial crimes, psychology of sexual assault, crimes against women and juvenile delinquency, offences out of gender, cast, religion etc. Psychological impacts of violence and sexual offences, Post-traumatic stress disorder. Family/domestic violence and victimization.	
<b>4</b>	<b>Criminal Behaviour and Offender Profiling</b> Typologies of Offenders, Crime Scene Analysis and Behavioural Evidence, Offender Profiling Techniques, Case Studies in Offender Profiling, Application of Criminal Behaviour Theories in Offender Profiling	
<b>5</b>	<b>Forensic Assessment for Legal Purposes</b> Evaluation of possible malingering, Assessment of mental state for insanity plea, Competency to stand trial, Prediction of violence and assessment of risk, Evaluation of child custody in divorce, Assessment of personal injury.	

**Practical Content:**

**Reference Books:**

1. Raybull, (2015) Criminal Psychology: A Beginners Guide, 2<sup>nd</sup> Eds, PAN MacMillan India.
2. Bartol, C. and A. Bartol. (2014). Criminal Behavior A Psychological Approach (10th Edition). New Jersey: Prentice Hall.
3. Criminal Behavior: A psychological Approach (2010) Curt R. Batrol, Anne, M. Batrol, Prentice Hall.
4. Karson, D. & Milne, R. (2007) Applying Psychology to Criminal Justice, 1stEds, Wiley & Sons.
5. Blackburn, R., (1993) The psychology of criminal conduct: Theory research and practice. Chichester: Wiley & Sons.
6. Reid J.M. The mark of Cain; Psychoanalytic insight and the psychopath, The Analytical Press, London.
7. Textbook of postgraduate psychiatry, 2<sup>nd</sup> ed., Vol 1 & 2, Vyas, J.N. & Ahuja, N (1999). Jaypee brothers: New Delhi.
8. Andy Griffiths, A.& Milne, R. (2021). The Psychology of Criminal Investigation: From Theory to Practice, Routledge.
9. Roesch R, Hart, D., S. (2009). Forensic Psychology & Law, John Wiley & Sons, Inc.
10. Davies M.G. (2017) Forensic Psychology: Crime, Justice, Law, Interventions, 3<sup>rd</sup> Edition

<b>Subject Code</b>	M1A03CLP	<b>Subject Name</b>		Criminal and Legal Psychology			
<b>Teaching scheme</b>				<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>	<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>

	L	TU	P					
Credit	3	1	00	4	Theory	30	70	100
Hours	45	15	00	60	Practical	00	00	00

**Content:**

Unit	Subject Content	Hrs
1.	<b>Introduction to Criminal and Legal Psychology</b> Overview of Criminal and Legal Psychology, Historical Developments in the Field, Research Methods in Criminal and Legal Psychology, Ethical Considerations in Criminal and Legal Psychology, Interaction of Psychology and the Legal System	60 Hours
2.	<b>Mental Illness and Crime</b> The Problem of Evidence, Mental Illness and Crime in General, Clinical Aspects of Violence, Psychopaths and Mental Illness, People with Learning Disability and Competence.	
3.	<b>Substance abuse and its effects on Crime</b> Introduction and overview, Theoretical Aspect of Substance abuse and Crime: Thornberry & Interactional Theory Social and Psychological perspective in association between Substance abuse and Crime, Drug Trade, Distribution, and Organized Crime The drug trade as a criminal enterprise, Impacts of drug-related organized crime on communities and societies, Substance Abuse, Mental Health, and Crime, Dual diagnosis: substance abuse and mental health disorders, Challenges in addressing co-occurring substance abuse and mental health issues within the criminal justice system, Criminal Justice Policies and Responses, Drug courts, diversion programs, harm reduction and rehabilitation strategies	
4.	<b>Factors Responsible for Violent Behaviour</b> Criminogenic factors in childhood, Continuity of childhood and adult antisocial behaviour, Media Influence, Effects of gaming addiction, Theories of Homicide, Socio- cultural factors and sexual violence, Mental illness and sexual predators, Classification of child molesters, Paedophili, Models of paedophilia	
5.	<b>Deception Detection based on Facial Expressions and Body Language</b> Lie detection Technique for physiological responses, Lie Detection Through fEMG, Vector - Based sequential forward Selection, Body Language in Forensic Psychology, Body Language in Forensic Psychology	

**Practical Content:**

**Reference Books:**

1. Bartol, C. R., & Bartol, A. M. (2020). Introduction to Forensic Psychology: Research and Application (5<sup>th</sup> ed.). SAGE Publications.
2. Roesch, R., Hart, S. D., & Ogloff, J. R. P. (Eds.). (2016). Forensic Psychology and Criminology: An Australian Perspective. Wiley.
3. Cutler, B. L. (2014). Introduction to Criminal Justice: Systems, Diversity, and Change (2<sup>nd</sup> ed.). SAGE Publications.
4. Helfgott, J. B. (2018). Criminal Behavior: Theories, Typologies, and Criminal Justice (5<sup>th</sup> ed.). SAGE Publications.
5. Walsh, A. (Ed.). (2015). The Neurobiology of Criminal Behavior. Springer.
6. Akers, R. L., & Jensen, G. F. (2018). Social Learning Theory and the Explanation of Crime: A Guide for the New Century. Routledge.
7. Loftus, E. F. (2017). Eyewitness Testimony (2<sup>nd</sup> ed.). Harvard University Press.
8. Turvey, B. E. (2017). Criminal Profiling: An Introduction to Behavioral Evidence Analysis (4<sup>th</sup> ed.). Academic Press.
9. Wells, G. L., & Olson, E. A. (2003). Eyewitness Testimony. Annual Review of Psychology, 54(1), 277-295.
10. Polaschek, D. L. L., & Daly, T. E. (Eds.). (2019). Psychological Interventions in Correctional Settings: Theoretical, Practical, and Research Foundations. Wiley.

Subject Code	M1A04APP		Subject Name		Abnormal Psychology & Psychopathology			
Teaching scheme					Examination scheme (Marks)			
(Per week)	Lecture		Practical (Lab.)	Total		INT	EXT	Total
	L	TU	P					
Credit	3	1	00	4	Theory	30	70	100
Hours	45	15	00	60	Practical	00	00	00
Content:								
Unit	Subject Content							Hrs
1.	<b>Introduction to Abnormal Psychology</b> Overview of Abnormal Psychology, Historical Perspectives on Abnormal Behaviour, Theoretical Approaches to Understanding Psychopathology, DSM-5 and Classification of Mental Disorders, Research Methods in Abnormal Psychology							60 Hours
2.	<b>Mood Disorders and Anxiety Disorders</b> Major Depressive Disorder and Bipolar Disorder, Generalized Anxiety Disorder, Panic Disorder and Agoraphobia, Obsessive-Compulsive Disorder (OCD), Post-Traumatic Stress Disorder (PTSD)							

3.	<b>Psychotic Disorders and Personality Disorders</b> Schizophrenia and Other Psychotic Disorders, Borderline Personality Disorder, Antisocial Personality Disorder, Avoidant Personality Disorder, Narcissistic Personality Disorder	
4.	<b>Childhood and Neurodevelopmental Disorders</b> Attention-Deficit/Hyperactivity Disorder (ADHD), Autism spectrum disorder (ASD), Intellectual Disability (Intellectual Developmental Disorder), Specific Learning Disorder, Conduct Disorder and Oppositional Defiant Disorder	
5.	<b>Approaches in Abnormal Psychology</b> Psychotherapy Approaches (e.g., Cognitive-Behavioral Therapy, Psychodynamic Therapy), Biological Interventions (e.g., Medication, Electroconvulsive Therapy), Integrative and Holistic Treatment Approaches, Cultural and Ethical Considerations in Psychopathology, Case Studies and Treatment Planning	
<b>Practical Content:</b>		
<b>Reference Books:</b>		
<ol style="list-style-type: none"> <li>1. Ahuja, N. (2011). Textbook of Psychiatry, 7<sup>th</sup> Eds. Jypee brothers, New Delhi</li> <li>2. Andrew, R., G. (2006). Essentials of Abnormal Psychology, 1<sup>st</sup> Eds., Wiley.</li> <li>3. Butcher, &amp; James, H., J. (2012). Abnormal psychology, 15<sup>th</sup> Eds. Pearson India.</li> <li>4. Linda, W. (2008). Abnormal Child Psychology: A Developmental Perspective, Routledge.</li> <li>5. Robert, C. (1997). Abnormal Psychology and Modern Life, Addison-Wesley</li> <li>6. Patricia, C., &amp; Kelly, B. (2007). Fish clinical Psychopathology; sign and symptoms in psychiatry, Cambridge.</li> <li>7. Femi, O. (2014). Symptoms in the mind-Textbook of descriptive psychopathology, 5<sup>th</sup> Eds. Saunders Ltd.</li> <li>8. Paul, B. (2006). Abnormal and Clinical Psychology: An Introductory Textbook, 2<sup>nd</sup> Eds. Tata McGraw-Hill</li> </ol>		

Semester		II						
Subject Code	M2A05PAT	Subject Name	Psychological Assessments and Testing					
Teaching scheme				Examination scheme (Marks)				
(Per week)	Lecture		Practical (Lab.)	Total		INT	EXT	Total
	L	TU	P					
Credit	3	00	1	4	Theory	20	50	70
Hours	45	00	30	75	Practical	10	20	30
Content:								
Unit	Subject Content							Hrs
1.	<b>Nature of Psychological test</b> Characteristics, principles, and types of the psychological test; Psychometric properties of psychometric test: Norms, Reliability, Validity, Sensitivity, and Specificity, etc.							75 Hours
2.	<b>Observational Instruments</b> Rating Scale, Checklist, and Anecdotal Report; Self-reporting techniques: Self-expression, Essays, Self-description, Self-awareness exercises, diaries, and daily schedules; Case study and Case formulation							
3.	<b>Assessment of Intelligence</b> The Stanford–Binet Scale of Intelligence (5thEd); WAIS-IV; WISC-V; Raven’s Progressive Matrices. Diagnostic utility of intelligence tests – scatter analysis, discrepancy comparison, and other techniques							
4.	<b>Assessment of Personality</b> Objective tests- MCMI-III, MMPI-2, Revised Neo Personality Inventory NEO PI-R, TCI, Projective tests: Rorschach Inkblot test, TAT, CAT, SCT, HFDT.							
5.	<b>Neuropsychological Assessment</b> PGI-Battery of Brain Dysfunction (PGI-BBD), Stroop test, Wisconsin Card Sorting Test (WCST), Wechsler Memory Scale (WMS)-III; Bender-Gestalt Test-II (BGT-II).							
Practical Content:								
1. Practical Content: Administration of minimum One Intelligence, diagnostic, Screening, and neuro-psychological test.								
Reference Books:								
1. Anastasi, A. & Urbina, S. (1997). Psychological testing. N. D. Pearson Education.								
2. Kaplan, R., M. & Saccuzzo, D., P. (2007). Psychological Testing: Principles, Applications, and Issues. Australia: Thomson Wadsworth.								

3. Gregory, R., J. (2005). Psychological testing: History, principles and applications. New Delhi: Pearson Education.
4. Anastasi, A. (1988). Psychological testing. NY: Macmillan.
5. Ghiselli, E., E., Campbell, J., P., & Zedek, S. (1981). Measurement theory for the behavioral sciences. W. H. Freeman
6. Freeman, F.S. (1965). Psychological testing, New Delhi: Oxford & IBH, Publishing Co. Pvt. Ltd.
7. Murphy, K. R., Davidshofer, R., K. (1988): Psychological testing: Principles and applications. New Jersey: Prentice Hall Inc.
8. Aiken L.R. (1996) Rating Scales and Checklists: Evaluating Behavior, Personality and Attitude

Subject Code	M2A06CLP		Subject Name		Clinical Psychology			
Teaching scheme					Examination scheme (Marks)			
(Per week)	Lecture		Practical (Lab.)	Total		INT	EXT	Total
	L	TU	P					
Credit	3	00	1	4	Theory	20	50	70
Hours	45	00	30	75	Practical	10	20	30
Content:								
Unit	Subject Content							Hrs
1	<b>Introduction</b> Definition, Historical development of the field, Nature and scope, Development of Clinical Psychology in India							75 Hours
2	<b>Psycho-diagnostics</b> Nature and scope; Process and Stages of diagnostic assessment: Case History, Mental Status Examination, Diagnostic formulation; Differential diagnosis: Stages and Process							
3	<b>Clinical Assessment and its Tools</b> Interview and its type: intake, crisis, and diagnostic interview, reliability and validity of interviews; Observation: Methods and types; Behavioral Assessments: Nature, Objectives and Methods, Psychometric assessment method.							
4	<b>Case Formulation</b> Definition and its type, Psychodynamic formulation of the cases: Understanding of unconscious impulses, motives, and wishes; Major psychological defenses, Developmental fixations etc. Cognitive and Behavioural formulations: Beck's ABC approach, Cognitive schema, beliefs, and cognitive errors, case formulation based on Two-factor theory							

<b>5</b>	<b>Other major approaches and issues</b> Biological approaches, Bio-psychosocial integrated approaches in diagnostic and therapeutic formulation of the cases; Various clinical and ethical issues.
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**Practical Content:**

1. Practical Content: Case study, Mental Status Examination, (Submission of minimum 2 reports each)

**Reference Books:**

1. Aiken, L. R. (2000). Psychological testing and assessment, Eds. (10) Boston: Allyn & Bacon.
2. Anastasi, A., & Urbina, S. (1997). Psychological testing 7<sup>th</sup> Eds. Pearson Education, Delhi, India.
3. Fernandes-Ballesteros, R. (2003). Encyclopedia of psychological assessment (Vol. I & II). Sage Publication, New Delhi, India.
4. Freeman, F. S. (1965). Theory and practice in psychological testing Eds. (3), Oxford and IBH, New Delhi, India
5. Gregory, R. J. (2000). Psychological testing: History, principles, and applications. Eds. 3<sup>rd</sup>. Boston: Allyn & Bacon.
6. Bellack, A. S., & Hersen, M. (1980). Introduction to clinical psychology, Oxford University Press, New York



<b>Subject Code</b>	M2A07NCY	<b>Subject Name</b>	Neuro-Criminology					
<b>Teaching scheme</b>					<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	3	1	00	4	Theory	30	70	100
Hours	45	15	00	60	Practical	00	00	00

**Content:**

<b>Unit</b>	<b>Subject Content</b>	<b>Hrs</b>
<b>1.</b>	<b>Introduction to Neuro-Criminology</b> Overview of Neuro-Criminology, Neurobiological Basis of Behaviour, Theories and Models in Neuro-Criminology, Ethics in Neuro-Criminological Research, Applications of Neuro-Criminology in the Criminal Justice System	60 Hours
<b>2.</b>	<b>Brain Structure and Function in Criminal Behaviour</b> Neuroanatomy: Brain Regions and Functions, Neurotransmitters and Neuromodulators, Neuroimaging Techniques in Neuro-Criminology, Genetics and Criminal Behaviour, The Role of Hormones in Aggression and Impulsivity	
<b>3.</b>	<b>Understanding Criminal Minds: The Neurobiology of Offenders</b>	

	Psychopathy and Antisocial Personality Disorder, Impulse Control Disorders and Criminal Behaviour, Substance Abuse and the Brain, Neuropsychological Factors in Violent Crimes, Case Studies: Linking Brain Abnormalities to Criminal Behaviour
<b>4. Intervention and Treatment Approaches</b>	Neuro-Criminological Interventions in Correctional Settings, Cognitive-Behavioural Interventions and Brain Plasticity, Pharmacological Interventions for Criminal Behaviour, Ethical Considerations in Neuro-Criminological Interventions, Future Directions in Neuro-Criminology Research and Practice

**Practical Content:**

**Reference Books:**

1. Raine, A. (2013). The Anatomy of Violence: The Biological Roots of Crime. Pantheon.
2. Fallon, J. (2014). The Psychopath Inside: A Neuroscientist's Personal Journey into the Dark Side of the Brain. Current.
3. Kiehl, K. A. (2006). Neurobiological basis of psychopathy. In C. J. Patrick (Ed.), Handbook of psychopathy (pp. 273-293). Guilford Press.
4. Rafter, N., & Bonnie, R. J. (Eds.). (2013). The Criminal Brain: Understanding Biological Theories of Crime. New York University Press.
5. Janis, S., & Linedecker, C. (1990). Bad Boys, Bad Brains: The Neurobiology of Violence. Birch Lane Press.
6. Beech, A. R., & Forsman, A. (Eds.). (2018). Neurobiology of Criminal Behavior. Academic Press.
7. Kiehl, K. A. (2014). The Psychopath Whisperer: The Science of Those Without Conscience. Crown.



<b>Subject Code</b>	M2B08SPY	<b>Subject Name</b>			Social Psychology			
<b>Teaching scheme</b>					<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	1	1	00	2	Theory	15	35	50
Hours	15	15	00	30	Practical	00	00	00

**Content:**

<b>Unit</b>	<b>Subject Content</b>	<b>Hrs</b>
<b>1.</b>	<b>Introduction to Social Psychology</b> History and the development of social psychology, Method to study Social Psychology, definition, importance of the subject in the understanding of human behaviour	30 Hours

2.	<b>Basic Concepts of Social Psychology</b> Conformity, Obedience, Self-concept, Social Perception, Social cognition, Attribution and Attitude. Language and Communication, Prejudice, Stereotypes, and Discrimination. Bystander effect.
3.	<b>Social Psychological theories</b> Social facilitation, Social learning, Cognitive dissonance, Social identity, and Attribution theory, Stanford prison experiment, Shock experiment.
4.	<b>Individual Group and Relationships</b> People in groups, Social loafing, Minority influence, Experience of marginalization, Group roles and polarization, Risky shift. Conflict, Collaboration and Competition, Discrimination, Stigma and Relative Deprivation; Culture and Self and its implications for groups.
5.	<b>Psychology of Aggression and Violence</b> Conceptual issues and theoretical explanations; Determinants; Interpersonal and intergroup forms of aggression. Gathering, Mob & Crowd, Mob lynching.

**Practical Content:**

**Reference Books:**

1. Baron, R.A. & Byrne, D. (2005). Social Psychology. New Delhi: Prentice-Hall of India. Daniel, P. & Cozby, P.C. (1983).
2. Social Psychology. NY: Holt, Rinehart and Winston.
3. Lindzey, L., & Aronson, E. (1975). The Handbook of Social Psychology (2nd Edn.), Vol. IV & V. New Delhi: Amerind Publishing Co.
4. Mathur, S.S (2004). Social Psychology. Agra: Vinod Pustak Mandir.
5. Penrod, S. (1986). Social Psychology (2<sup>nd</sup> Ed.) New Jersey: Prentice Hall, Englewood Cliffs. Taylor, S.E., Peplau, L.A. & Sears, D.O. (2006). Social Psychology (12<sup>th</sup> Ed.). New Delhi: Pearson Education.

<b>Subject Code</b>	M2B09IPH		<b>Subject Name</b>		Ancient Indian Practices of Healing			
<b>Teaching scheme</b>					<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	1	1	00	2	Theory	15	35	50
Hours	15	15	00	30	Practical	00	00	00
<b>Content:</b>								
<b>Unit</b>	<b>Subject Content</b>							<b>Hrs</b>

1.	<b>Introduction</b> Introduction to various ancient thoughts such as Carvaka, Jaina, Budha, Nayaya, Vaisesika, Sankhya, yoga, Mimansa and Vedanta	3s0 Hours
2.	<b>Concept of mental illness</b> Ancient Indian concept of cognition, emotion, personality, motivation and their disorders; social identity and stratification (Varnashram Vyawastha)	
3.	<b>Concept of nature and Mind Structure and Function of Mind, Panchmahabhutas</b> Prithvi (Earth), Jala (Water), Vayu (Air), Akasha (Sky), and Tejas (Sun), Sense organs; Eyes, Ears, Nose, Tongue, Skin, Motor organs; Hands, Feet, Speech, Excretory function, Reproductive function. Tanmatra or perceptual processes; Vision, Hearing, Odour, Taste and Touch. Directive elements	
4.	<b>Personality development and character</b> Swabhaava, Chitta, Prakrti, Trigunas, Tridoshas, Vatonmad, Pittonmad, Kaphonmad, Tridoshonmad, the concept of reincarnation	
5.	<b>Preventive and Management approaches</b> Yoga, Asana, Pranayama and its effectiveness on different psychiatric conditions; Yoga and mental well-being, Mindfulness based meditation	
<b>Practical Content:</b>		
<b>Reference Books:</b>		
1. Sreevani, R. (2016). A Guide to Mental Health and Psychiatric Nursing, Jaypee Brothers, Medical Publishers Pvt. Limited. 2. Bo Forbes, (2011). Yoga for Emotional Balance: Simple Practices to Help Relieve Anxiety. Shambhala Publications. 3. Khalsa, Cohen, Timothy B. McCall, & Telles, (2017). The Principles and Practice of Yoga in Health Care, SAGE Publications, Incorporated. 4. Roccatagliata, G. (1986). A History of Ancient Psychiatry, Greenwood Press, Health& Fitness 5. Veereshwar, P. (2002). Indian System of Psychotherapy, Kalpaz Publications, India		

<b>Semester</b>	<b>III</b>						
<b>Subject Code</b>	M3A10IPP	<b>Subject Name</b>		Investigative Psychology and Profiling			
<b>Teaching scheme</b>				<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>	<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>

	L	TU	P					
Credit	3	00	1	4	Theory	20	50	70
Hours	45	00	30	75	Practical	10	20	30

**Content:**

Unit	Subject Content	Hrs
1.	<b>Profiling of Criminals</b> Investigative Psychology - Definition; Profiling; Crime Scene Profiling; Geographical Profiling; Suspect Based Profiling; Psychological Autopsy; Limitations	75 Hours
2.	<b>Interrogation and Interview</b> Investigative Interviewing Techniques, Police Interviewing and Interrogation, Information Gathering Approaches, Interviewing Juveniles, False Confession, Evidence-based Approaches	
3.	<b>Psychology of Criminal Investigations and Justice Processes</b> False Confessions and Interrogation Methods, Criminal Profiling and Offender Characteristics, Psychological Analysis of Crime Scenes, Jury Decision Making and Bias, Eyewitness Identification Procedures, Competency to Stand Trial Evaluations, Mental State at the Time of the Offense (Insanity Defense), Risk Assessment and Recidivism Prediction, Assessing Intent and Criminal Responsibility, Specific Intent and Diminished Capacity	
4.	<b>Eyewitness Testimony</b> Eyewitness Memory and Testimony-Eyewitness Evidence; Eyewitness Testimony, Cognitive Interview, Own-Race Bias, Pre-trial Identification Methods; Lineups and Photo spreads, Eyewitness Memory and Testimony	
5.	<b>Investigative Instruments</b> Polygraph, Layered Voice Analysis, iCognitive, Narco-analysis, Recent Advancements	

**Practical Content:**

1. Minimum on one subject: Simulation study on Polygraph, Simulation study on Brain fingerprinting, Simulation study on LVA

**Reference Books:**

1. Weiner, I. B., & Otto, R. K. (Eds.). (2013).
2. The Handbook of Forensic Psychology (3<sup>rd</sup> ed.). John Wiley & Sons.
3. High-Value Detainee Interrogation Group. (2016). Interrogation: A Review of the Science. Retrieved from Wells, G. L., & Olson, E. A. (2003). Eyewitness Testimony. Annual Review of Psychology, 54(1), 277-295.
4. <https://www.fbi.gov/file-repository/hig-report-interrogation-a-review->

<b>Subject Code</b>	M3A11VRP	<b>Subject Name</b>	Victimology & Rehabilitation Psychology
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Teaching scheme				Examination scheme (Marks)				
(Per week)	Lecture		Practical (Lab.)	Total		INT	EXT	Total
	L	TU	P					
Credit	3	00	1	4	Theory	20	50	70
Hours	45	00	30	75	Practical	10	20	30
<b>Content:</b>								
Unit	Subject Content							Hrs
<b>1</b>	<b>Victimology and Victim Services</b> Victimization, Victims Types of Victims, Legal Rights of Victims; Violent Victimization committed by strangers; Ethnic/Minority differences in Criminal Victimization, Psychological Effects of Victimization; Post-traumatic Stress Disorder; Sexual Assault Victimization; Characteristics of Victims: Age, gender etc; Child Sexual Abuse; Internet Victimization; Human Trafficking; Child and Adolescent Sex Trafficking; Child Custody and Dispute Cases; Psychological Services							75 Hours
<b>2</b>	<b>Family Violence</b> Intimate Partner and Family Violence; Development of Interpersonal Violence (IPV); Power and Control; Psychological characteristics of Offenders; Battered Woman Syndrome, Needs of Children exposed to IPV; Role of Forensic Psychologists in IPV Cases; Risk Assessment; Forensic Assessment in IPV; Assessment of Victim Reactions							
<b>3</b>	<b>Correctional Psychology in Adult Settings</b> Institutional Corrections; Overview of Correctional Facilities; Right to Treatment; Extent of Inmates with Mental Disorders; Right to Rehabilitation; Privacy and Confidentiality; Psychological Assessments in Corrections; Screening and Classification; RNR Model; Crisis Intervention; Treatment and Rehabilitation in Correctional Facilities; Common Psychological treatments in Corrections; Psychological Models; Treatment for Various types of Offenders; Obstacles to Treatment of Inmates; Community based Corrections							
<b>4</b>	<b>Juvenile Justice and Corrections</b> Juvenile Justice Board; Juvenile Courts: Brief History; Juvenile Assessment: An Overview, Risk Assessment; Juvenile Amenability to Rehabilitation; Waver Decisions; Life without Parole; Juvenile Detention; Psychological Treatment: Approaches to Rehabilitation; Group Home Models; Multi Systemic Therapy; Functional family Therapy; Substance Abuse Models; Violence Prevention Programs; Juvenile Sex Offender Treatment							

<b>5</b>	<b>Psychology in Correctional Settings</b>							
	Rehabilitation and Behavior Modification in Prisons, Treatment of Offenders with Mental Health Disorders, Substance Abuse Treatment in Correctional Facilities, Reentry Programs and Community Supervision, Ethical Issues in Correctional Psychology							
<b>Practical Content:</b>								
<b>Reference Books:</b>								
	1. Wilson, J. K. (2009). The Praeger Handbook of Victimology. ABC-CLIO. 2. Shastri, P., & Thukral, E. G. (2009). Blind Alley: Juvenile Justice in India. 3. Model Prison Manual for the Superintendence and Management of Prisons in India - BPR&D							
<b>Subject Code</b>	M3A12CPY	<b>Subject Name</b>			Counselling Psychology			
<b>Teaching scheme</b>					<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	3	00	1	4	Theory	20	50	70
Hours	45	00	30	75	Practical	10	20	30
<b>Content:</b>								
<b>Unit</b>	<b>Subject Content</b>							<b>Hrs</b>
<b>1.</b>	<b>Introduction</b> Definition, Distinction between Counselling and Psychotherapy, Goals of counselling, Counselling process and methods, Foundations of Counselling-Philosophical, Sociological, Psychological and Developmental							75 Hours
<b>2.</b>	<b>Counselling Procedure &amp; Techniques</b> Counsellor and counselee characteristics facilitating counselling; Role and functions of the counsellors; Counselling process: External conditions and preparation; Structuring the counselling relationship; Counselling interview; Nonverbal behaviour							
<b>3.</b>	<b>Counselling Approaches</b> Psychoanalytical, Person-cantered, Existential, and Cognitive-Behavioural Approaches							
<b>4.</b>	<b>Areas of Counselling</b> Educational, career, marital and gerontological; stress management-oriented counselling; Counselling in hospital and community setting.							
<b>5.</b>	<b>Special areas of Counselling</b>							

Counselling for the problems related drug use, sexuality, and divorce; Counselling for crisis intervention; Counselling ethnic minorities; Counselling for chronic and terminally ill patients.
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**Practical Content:**

1. Posting to professional counsellor or Non-Governmental Organizations or Hospitals for practical learning of skills. Submission of report, demonstration of skills and presentation.

**Reference Books:**

1. Korchin, J., S. (1986). Modern Clinical Psychology. Delhi: IBS. Publishers and Distributors.
2. Kottler, J., A. & Brown, R., W. (2000).
3. Introduction To Therapeutic Counseling, 4<sup>th</sup> Eds, California Brooks/Cole publishing Company. George, L., R.& Crisiani, T. (1981).
4. Theory, Methods of processes of Counseling and Psychotherapy. New Jersey: Prentice Hall Inc. Englewood and Cliffs.
5. Patterson, E. L., & Welfel, E., R. (1999). The Counseling Process 5<sup>th</sup> Eds California



<b>Subject Code</b>	M3A13RSB	<b>Subject Name</b>	Research and Statistics in Behavioral Science					
<b>Teaching scheme</b>				<b>Examination scheme (Marks)</b>				
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	3	1	00	4	Theory	30	70	100
Hours	45	15	00	60	Practical	00	00	00

**Content:**

Unit	Subject Content	Hrs
1.	<b>Fundamentals of Research</b> Scientific thinking; Reasoning and Scientific attitude to conduct research. Concept of theory, empiricism, deductive and inductive theory. What is Research? Scientific Research. Research Process, need for Research, Formulating the problem and objectives. Types of research and research designs. Working hypothesis.; Significance of research and importance of research. Characteristics of good research. Research Methods and Research methodology	60 Hours
2.	<b>Research Process and types of data</b> Steps of conducting research, Research ethics, Review of literature and meta-analysis. Research Gap. Measurement of scales, Data collection sources (Primary and secondary) and methods (Qualitative and Quantitative), Sampling methods of data collection (Random and non-random methods), selection of variables; Extraneous and endogenous. Reliability and Validity of data.	

<b>3.</b>	<p><b>Data Analysis using Statistical techniques</b></p> <p>Questionnaire and other data collection tool preparation, Data coding, editing, worksheet presentation, cross tabulation. Graphical and tabular presentation of data. Use of descriptive measures like mean, median, mode, kurtosis, skewness for data analysis. Use of hypothesis testing and statistical techniques for data analysis using software like SPSS, R, SAS, NVIVO.</p>
<b>4.</b>	<p><b>Report Writing</b></p> <p>Format of report, index and annexures, Argument and Discussion, Cause and Effect, Cohesion, Comparisons, Definitions, Examples, Generalizations, structure to write research papers/dissertations/Thesis/ Articles / noting in governments. Report plagiarism: Types of Plagiarism, how to avoid Plagiarism, footnotes and endnotes, how to maintain confidentiality and importance of it, APA and other styles of referencing, Bibliography. Reference Management Software like Zotero/Mendeley; Software for paper formatting like LaTeX/MS Office.</p>

**Practical Content:**

**Reference Books:**

1. Business Statistics for Contemporary Decision Making, Ken Black, Wiley
2. Statistics for Management, TN Srivastava and ShailajaRego – Tata McGraw Hill.
3. Marketing research text and cases, Rajendra nargundkar - Tata McGraw Hill
4. Research Design: Qualitative, Quantitative and Mixed Methods Approaches, John w. Creswell – Sage
5. Statistics for Psychology, J P Verma, Mohammad Ghufra - Tata McGraw Hill

<b>Subject Code</b>	M3B14CYB		<b>Subject Name</b>		Cyber Psychology			
<b>Teaching scheme</b>				<b>Examination scheme (Marks)</b>				
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	1	1	00	2	Theory	15	35	50
Hours	15	15	00	30	Practical	00	00	00

**Content:**

Unit	Subject Content	Hrs
<b>1.</b>	<p><b>Introduction to Cyber psychology</b></p> <p>Definition, Historical development, Nature, Scope and Methods: Application of Cyber psychology (Cyber Profiling of Victims and Criminals, Hate Crimes, Cyber Bullying and its effects)</p>	30 Hours

2.	<b>Human Computer Interaction</b> Computer - Mediated communications, Emotions in Human Computer interaction, Human-like behaviour in machines and its effects on humans, Role of Artificial Intelligence, Virtual Reality & Augmented Reality, Usability and other human factors, Internet Addiction (Scale); Health Applications of technology
3.	<b>Theories of Cyber psychology</b> Evolving theories and their psychological conceptualization
4.	<b>Online Dynamics</b> Online Aggression and violence, Cyber bullying and Net Anonymity, Interpersonal and other forms of aggression, Cyber Gathering, Group roles and polarization, Cyber romance and Cyber- sex, Digital Self and Its implications for a group, Hate Crimes, Cyber terrorism (Phishing, Vishing) etc.
5.	<b>Laws related to Cyberspace</b> IT ACT 2000, APA Guidelines, Other Ethical Consideration

**Practical Content:**

**Reference Books:**

1. Norman, K. L. (2008). Cyberpsychology: An Introduction to Human-Computer Interaction. Cambridge University Press.
2. Attrill-Smith, A., Fullwood, C., Keep, M., & Kuss, D. (2018). The Oxford Handbook of Cyberpsychology. In Oxford University Press eBooks.
3. <https://doi.org/10.1093/oxfordhb/9780198812746.001.0001>

<b>Subject Code</b>	M3B15PMP	<b>Subject Name</b>			Police and Military Psychology			
<b>Teaching scheme</b>					<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	01	01	00	02	Theory	15	35	50
Hours	15	15	00	30	Practical	00	00	00
<b>Content:</b>								
<b>Unit</b>	<b>Subject Content</b>							<b>Hrs</b>
1.	<b>Introduction to Police &amp; Military Psychology</b>							30 Hours

	Nature and Scope of Police & Military Psychology-Issues & implication of psychology in Police & Military; Historical perspectives of Police & Military psychology; Emerging trends of Police & Military Psychology for the future world.
2.	<b>Psychology in selection and training</b> Assessment of psychomotor, interest, aptitude, spatial abilities, and personality, training need analysis, type and method of training, evaluation and monitoring
3.	<b>Human factors in police &amp; military organizations</b> Human errors, safety and accidents, ergonomics and system design; Vigilance, Complacency
4.	<b>Combating stress</b> Combat and other extreme situation; Stress reactions in police personnel and soldiers: Manifestations, Measurement, and management
5.	<b>Dealing with extremism and cross border terrorism</b> Concept, spread, and causes, preventive measures, threat to internal security, the role of community psychologist in the mitigation

**Practical Content:**

**Reference Books:**

1. Maheshwari, N., & Kumar, V. (2016). Military psychology, concepts, trends and interventions, Sage Publication, New Delhi
2. Hall, R., & Mangelsdroff, D. (1991). Handbook of military psychology. John Wiley: USA.
3. Kennedy, C.H., & Zillmer, E.A. (2006). Military psychology: Clinical and operational applications. Guilford: New York, USA.
4. Ramachandran, K. (in press). Handbook of military psychology. Delhi: DIPR.
5. Shalit, B. (1988). The psychology of conflict and combat. Praeger: NY.
6. Reuven, G., Adavid, M., & S Dorff, A. (1991), Handbook of Military Psychology. USA, John Wiley Sons.

<b>Subject Code</b>	M3A16FVR		<b>Subject Name</b>		Field Visits/Minor Projects/Case Study/ Experiment Report			
<b>Teaching scheme</b>					<b>Examination scheme (Marks)</b>			
<b>(Per week)</b>	<b>Lecture</b>		<b>Practical (Lab.)</b>	<b>Total</b>		<b>INT</b>	<b>EXT</b>	<b>Total</b>
	L	TU	P					
Credit	00	00	04	04	Theory	00	00	00
Hours	00	00	120	120	Practical	30	70	100
<b>Content:</b>								
<b>Unit</b>	<b>Subject Content</b>							<b>Hrs</b>

1.	Students need to attend the field visit/ minor Project/ Case Study Presentation/Experiment Report	120 Hours
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**Practical Content:**

Field Visit at any correctional/ Rehabilitation Institute/any organization which gives the exposure to knowledge

Semester		IV						
Subject Code	M4A17DIS	Subject Name	Dissertation					
Teaching scheme				Examination scheme (Marks)				
(Per week)	Lecture		Practical (Lab.)	Total		INT	EXT	Total
	L	TU	P					
Credit	00	00	06	06	Theory	00	00	000
Hours	00	00	180	180	Practical	50	100	150
Content:								
Unit	Subject Content							Hrs
1.	<p>Students opting dissertation in this semester will be required to give their preference for this paper at the end of third semester and submit the title along with the written consent of the supervisor in a stipulated period. Further, the candidate will be required to submit the brief write up of the plan proposal.</p> <p>The preliminary work for dissertation (e.g., planning the research, selecting tools, etc.) should be started preferably during the third semester in consultation with the concerned supervisor and data collection may be started after third semester examinations. The remaining work and writing of the dissertation should be completed during the fourth semester and the dissertation must be submitted before the commencement of theory examination of the fourth semester.</p> <p>The dissertation work may involve laboratory research, field work, survey research, case study or any other type of psychological research. Further, it may include one large study/experiment or several studies/experiments depending on the objectives of the research. The writing of dissertation must be in accordance with the Publication Manual of the American Psychological Association and should be within 40 to 50 pages including references and appendices.</p> <p>It is essential to check plagiarism of manuscript prior to submission of the Dissertation, and Similarity Index of the manuscript must be less than 10% (As per UGC norms)</p> <p>Key guidelines:</p> <ul style="list-style-type: none"> <li>● It should be on a relevant problem with proper aims and objectives.</li> <li>● Students will get requires 60 hours, which is worth 04 credits.</li> <li>● Topics will be finalized after guide's approval</li> <li>● Students have to present their synopsis to get approval of the research topic</li> <li>● University will not provide any financial help</li> <li>● Department will provide necessary administrative support</li> <li>● Candidates should invariably follow RSU ethical guidelines.</li> </ul>							180 Hours

Subject Code								
Subject Code	M4A18INT		Subject Name	Internship				
Teaching scheme				Examination scheme (Marks)				
(Per week)	Lecture		Practical (Lab.)	Total		INT	EXT	Total
	L	TU	P					
Credit	00	00	06	06	Theory	00	00	000
Hours	00	00	180	180	Practical	50	100	150
Content:								
Unit	Subject Content							Hrs
1	<p>An internship is an opportunity for a student to gain practical experience in a real world setting under the guidance of a knowledgeable, experienced, and successful supervisor. The internship can be established in any setting in which information is gathered, stored, managed, retrieved, and disseminated. Student internships provide opportunities for students to gain experience in their field. Students will gain exposure to and a greater understanding of the applied aspects of the forensic Psychology; Students will gain knowledge about the part of the field in which they are interning through research and field experience; Students will be able to enhance their academic training with this practical knowledge, Students will be able to confirm their career goals based on this experience.</p> <p>The Student can attend Internship of 30 days to 90 days as per the permission acquired by the organization. Report of the Internship attended need to be submitted.</p> <p>During this period the students are expected to work for the organization under the guidance of an experienced person. The Students will take up the regular activities of the organization like field work, administrative activities, counselling and related activities, training, report writing, awareness creation, etc., depending upon the requirements of the organization. The students are required to submit a record based on activities/roles performed by them during the internship.</p> <p>The student will be evaluated at the end of the semester based on the performance appraisal report, record, and a public viva-voce.</p>							180 Hours