



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Shri Vaishnav Institute of Forensic Science
Choice Based Credit System (CBCS)
B. Sc with Major Forensic Psychology Batch (2022-25)
SEMESTER II

BFPSY201 FUNDAMENTALS OF FORENSIC PSYCHOLOGY

COURSE CODE	CATEGORY	COURSENAME	TEACHING&EVALUATIONScheme									
			THEORY			PRACTICAL			L	T	P	CREDITS
			ENDESEM University Exam	Two Term Exam	Teachers Assessment*	ENDESEM University Exam	Teachers Assessment*					
BFPSY201	Major	Fundamentals of Forensic Psychology	60	20	20	60	40	4	0	4	6	

Legends- Lecture's-Tutorial/Teacher Guided Student Activity; P- Practical's-Credit.

***Teacher Assessment** shall be based following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Educational Objectives: The objective of studying the paper is -

- CEO.1. The overview of forensic psychology and its applications.
- CEO.2. The legal aspects of forensic psychology.
- CEO.3. The significance of criminal profiling.
- CEO.4. The importance of psychological assessment in criminal behaviors.
- CEO.5. The tools and techniques required for detection of deception.

Course Outcomes: The Outcome of studying the paper is-

- CO.1. Be able to understand the concepts of forensic psychology.
- CO.2. Be able to distinguish the various psychological states of mind of psychology patient.
- CO.3. Be familiar to criminal profiling.
- CO.4. Be able to understand the various factors of crime.
- CO.5. Be able to know ethical and legal aspects of deception detection techniques.

Syllabus:

UNIT I: Basics of Forensic Psychology

Definition and fundamental concepts of forensic psychology and forensic psychiatry. Psychology and law, Ethical issues in forensic psychology, Assessment of mental competency, Mental disorders and forensic psychology.

UNIT II: Psychology of Evidence

Psychology of evidence-eyewitness testimony, confession evidence, Criminal profiling, Psychology in the courtroom, with special reference to Section 84 IPC.

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UNIT III: Psychology and Criminal Behavior

Psychopathology and personality disorder, psychological assessment and its importance, Serial murderers, Psychology of terrorism, biological factors and crime— social learning theories, psycho-social factors, abuse, Juvenile delinquency—theories of offending (social cognition, moral reasoning), Child abuse (physical, sexual, emotional), juvenile sex offenders, legal controversies.

UNIT IV: Detection of Deception

Tools for detection of deception—interviews, non-verbal detection, statement analysis, voice stress analyzer, hypnosis, Polygraphy—operational and question formulation techniques, ethical and legal aspects, the guilty knowledge test.

UNIT V: Narco Analysis and Brain Finger Printing

Narco analysis and brain electrical oscillation signatures—principle and theory, ethical and legal issues, Brain Fingerprinting—Principle and technique, Legal standard of Brain fingerprinting, Case study.

Practical's:

1. To cite a crime case where legal procedures pertaining to psychic behaviors had to be invoked.
2. To prepare a report on relationship between mental disorders and forensic psychology.
3. To study a criminal case in which hypnosis was used as a means to detect deception.
4. To prepare a case report on thematic appreciation test.
5. To prepare a case report on Minnesota multiphasic personality inventory test.
6. To prepare a case report on thematic appreciation test.
7. To prepare a case report on word association test.
8. To prepare a case report on Bhatia's battery of performance test of intelligence.

Suggested Readings:

1. A.A. Moenssens, J. Starrs, C.E. Henderson and F.E. Inbau, *Scientific Evidence in Civil and Criminal Cases*, 4th Edition, The Foundation Press, Inc., New York (1995).
2. R. Saferstein, *Criminalistics*, 8th Edition, Prentice Hall, New Jersey (2004).
3. J.C. DeLadurantey and D.R. Sullivan, *Criminal Investigation Standards*, Harper & Row, New York (1980)
4. J. Niehaus, *Investigative Forensic Hypnosis*, CRC Press, Boca Raton (1999).
5. E. Elaadin *Encyclopedia of Forensic Science, Volume 2*, J.A. Siegel, P.J. Saukko and
6. G.C. Knupfer (Eds.), Academic Press, London (2000).
7. Gregory, R.J. (2005). *Psychological Testing* (4th ed.). Delhi: Pearson Education Pvt. Ltd.
8. Thou Teisi (2011) *Forensic Psychology*. ABD Publishers, Jaipur-302018

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BFPSY202 FORENSIC PSYCHOLOGY IN POLICE INVESTIGATION

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			THEORY			PRACTICAL			L	T	P	CREDITS
			ENDESEM University Exam	Two Term Exam	Teachers Assessment*	ENDESEM University Exam	Teachers Assessment*					
BFPSY202	Minor	Forensic Psychology in Police Investigation	60	20	20	60	40	4	0	4	6	

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Course Educational Objectives: The objective of studying the paper is -

- CEO.1. The overview of forensic psychology and its applications.
- CEO.2. The legal aspects of forensic psychology.
- CEO.3. The significance of criminal profiling.
- CEO.4. The importance of psychological assessment in police investigation.
- CEO.5. The scientific methods of required for Police investigation.

Course Outcomes: The Outcome of studying the paper is-

- CO.1. Be able to understand the concepts of forensic psychology.
- CO.2. Be able to distinguish the various psychological states of mind of a psychology patient.
- CO.3. Be familiar to the process of police investigation
- CO.4. Be able to understand the various factors of crime.
- CO.5. Be able to know ethical and legal aspects of deception detection techniques

UNIT I: BASICS OF POLICE PSYCHOLOGY

Fundamental concepts of Police psychology, role of policing in investigation, Behavior analysis Interview, Crisis and hostage Negotiation, Critical analysis of Criminal act, False Confession, Interrogation of suspect, police eyewitness, Fitness- For – Duty -Evaluation.

UNIT II: DETECTION OF DECEPTION

Detection of Deception in adult, Detection of Deception in Children, Detection of Deception in High-Stake Liars, Police decision Making, Police decisions in domestic violence cases, police Interaction with mentally ill individuals, police occupational Psychology, career opportunities in police psychologist.

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UNIT III: Methods of police Investigation

Role of police in psychological investigation, police selection, police stress, Police Training and Evaluation, use of police force, psychological profiling, Polygraph Techniques, Reid technique for interrogations, statement validity assessment, Forensic assessment Videotaping Interrogations.

UNIT IV: Tools & Techniques for Examination

Detection of Deception techniques, Cognitive Load, Non-Verbal clues, fMRI (functional magnetic Resonance Imaging), ERP (Event related Potential), Reality monitoring, Evidence elated issues.

UNIT V: Legal Perspective

Legal perspective of Police investigation, Role and limitation, presentation of psychological evidences in Court, Admissibility of Psychological evidences in court of law, Case studies.

Practical's:

1. Role plays of Community policing.
2. Case Studies about the undercover policing.
3. To study the patrol tactics of police and Strategies of forensic investigation.
4. To prepare a report on the role of Forensic Psychology in Police investigation.
5. Interaction with police personnel related to investigation on psychological cases.

Suggested Readings:

1. Allen, S. W. (1991). Assessment of personality characteristics related successful hostage negotiators and their resistance to post-traumatic stress disorder. In J. T. Reese, J. M. Horn, & C. Dunning (Eds.), Critical incidents in policing (Rev. ed., pp. 1-16). Washington, DC: U.S. Dept. of Justice, Federal Bureau of Investigation.
2. Butler, W. M., Leitenberg, H., & Fuselier, G. D. (1993). The use of mental health professional consultants to police hostage negotiation teams. Behavioural Sciences and the Law, 11, 213-221.
3. Fuselier, G. D. (1988). Hostage negotiation consultant: Emerging role for the clinical psychologist. Professional Psychology: Research and Practice, 19, 175-179.
4. Hatcher, C., Mahondie, K., Turner, J., & Gelles, M. G. (1998). The role of the psychologist in crisis/hostage negotiations. Behavioral Sciences and the Law, 16, 455-172.
5. Lancelly, F. J. (1999). On-scene guide for crisis negotiators. Boca Raton, FL: CRC Press.
6. McMains, M. J., & Mullins, W. C. (2000). Crisis negotiations: Managing critical incidents and hostage situations in law enforcement and corrections. Cincinnati, OH: Anderson.

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7. Horvath, F., Jayne, B., & Buckley, J. (1994). Differentiation of truthful and deceptive criminal suspects in behavior analysis interviews. *Journal of Forensic Sciences*, 39, 793-807.
8. Inbau, F. E., Reid, J. E., Buckley, J. P., & Jayne, B. C. (2001). *Criminal interrogation and confessions* (4th ed.). Gaithersburg, MD: Aspen.
9. Vrij, A., Mann, S., & Fisher, R. (2006). An empirical test of the behavior analysis interview. *Law and Human Behavior*, 30, 329-345.

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