



Department of Criminology and Forensic Science
Dr. Harisingh Gour Vishwavidyalaya
Sagar MP-470003, India



Ph.D. Syllabus (Course Work)

2024 – 2025

Criminology



DEPARTMENT OF CRIMINOLOGY AND FORENSIC SCIENCE
(School of Applied Sciences)
DR. HARISINGH GOUR VISHWAVIDYALAYA
(A Central University) Sagar
(MP)

Dr. Harisingh Gour Vishwavidyalaya, Sagar (MP)
(A Central University)



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Scheme of Ph.D. Course Work in Criminology
(Year 2024-2025)

S.No.	Course Code	Title of Paper	L	T	P	C	Credit
1.	CRM -CC-141	Research Methodology	4	-	-	4	04
2.	CRM -CC-142	Research Trends in Criminology and Criminal Justice	4	-	-	4	04
3.	CRM-CC-144	Research and publication ethics	2	-	-	2	02
4	CRM -EC-141	Research Trends in Victimology	4	-	-	4	04
	CRM -EC-142	Computer Application	4	-	-	4	
	CRM -EC-143	Application of Statistics in Criminology and Criminal Justice	4	-	-	4	
5.	CRM -CC-143	Review of Published Research Work	4	-	-	4	04
Total Credits = 18							



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RESEARCH METHODOLOGY

(CRM -CC-141)

UNIT-I(13 Hrs.)

Purpose of Research & Problem formulation:

Research: Meaning, Objectives and significance

Selecting the Problems

Reviewing the literature

Hypotheses

Variables

Validity & Reliability.

Data: Nominal, Ordinal, Interval, Ratio

UNIT-II

(13 Hrs.)

Research Design :

Qualitative Research : Defined

Types of Qualitative Research, Merits and Limitations of Qualitative Research

Quantitative Research: Defined

Types of Quantitative Research.

UNIT-III

(10 Hrs.)

Data Collection:

Interview Schedule and Questionnaire Construction

Other Data Collection Techniques

Scales : Meaning and Types

Sampling : Probability Sampling and Non probability Sampling

UNIT-IV

(10 Hrs.)

Data Processing :

Data Processing : (Excel & SPSS System)

Data Coding

Data Entry (Computer entries)

Data Cleaning

Missing Data

Recoding Data

UNIT-V

(14 Hrs.)

Data Analysis:

Statistical Analysis: Descriptive Statistics – Diagrammatic Representation

Statistical Analysis: Inferential Statistics – Measures of Association Statistical Significance, Bivariate Analysis



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Multivariate Analysis: T-test, Correlation, Analysis of variance, Multiple Regression and other techniques Writing the Research, References and Bibliography.

Essential Readings:

- Bailey Carol A. (1996). A Guide to Field Research, Pine Forge Press, California.
- Choudhary, C.M. (1998). Research Methodology, Sublime Publications, Jaipur.
- Coolican, Hugh, (1990). Research Methods and statistics in Psychology, Hodder & Stoughton, London.
- Dantzker L. Mark & Ronald D. Hunter (2012). Research Methods For Criminology And Criminal Justice (3rd Edition) Jones & Bartlett Learning, LLC.
- Hagan, Frank E, (1982). Research Methods in Criminal Justice and Criminology, Mamillian Co. New York.
- Maxfield, Michael G & Babbie, Earl, (2000). Research Methods for Criminal Justice and Criminology, 3rd edition, Wadsworth Thomson Learning.
- Pogrebin, Mark. (2002). Qualitative Approaches to Criminal Justice : Perspectives from the Field, SAGE Publications, Inc
- Thakur, Devendra, (2003). Research Methodology in Social Sciences, Deep & Deep Publications, New Delhi.
- Victor Jupp. Pamela Davis & Francis, (2006). Doing Criminological Research, Sage Publications, New Delhi.

Suggested Readings:

- A. M. Mood and Gravel, (2004). Introduction to the theory of statistics, McGraw Hill Book Company.
- Cozby, Paul C. (1981). Methods in Behavioral Research, Mayfield Publishing co., London.
- Deflem, Mathieu, (2006). Sociological Theory and Criminological Research: Views from Europe and the United States, Washington: Elsevier.
- Hagan, Frank E, (1982). Research Methods in Criminal Justice and Criminology, Mamillian Co. New York.
- Manfred te, Grotenhuis. (2016). Basic SPSS Tutorial, SAGE Publications, Inc
- Michael G. Maxfield (2016). Basics of Research Methods for Criminal Justice and Criminology (4th Edition) , USA , Cengage Learning,
- Patten, M.L. (2007). Understanding research methods: An overview of the essentials. (6th ed.) Glendale, Ca: Pyrczak Publishing
- Rubbin, Allenn & Babbie, Earl. (1993). Research Methods for Social Work, 2nd edition, Brooks/Cole Publishing Company, California.
- Sessan, Klaus & Kerner, Hans Jurgen, (1991). Developments in Crime and Crime Control Research, German Studies on victims, Offenders and the Public, Springer-Verlag Publications. □
- Spiegel R. Murray, (2004). Theory and Problems of statistics, McGraw Hill Book Company.



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RESEARCH TRENDS IN CRIMINOLOGY AND CRIMINAL JUSTICE
(CRM-CC-142)

UNIT-I (12 Hrs.)

Concept of Crime: Nature of Crime, Crime in India and Abroad, Crime in Modern Society.

UNIT-II (12 Hrs.)

Crimes as Per IPC and Act: Crimes against person, Crimes against property, Crimes against weaker section- Women, Children and Elderly.

UNIT-III (13 Hrs.)

Criminological Theories: Biological Theory, Psycho-analytical theory, Adaption theory, Labeling theory, Learning behavior theory.

UNIT-IV (13 Hrs.)

Criminological Theories: Cultural conflict theory, Differential association theory, Anomie theory, Radical theory, New Criminology.

UNIT-V (10 Hrs.)

Research in Criminology and Criminal Justice System: Research trend in Criminology, Scope in Criminological Research.



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Essential Readings:

- Adler, F., Mueller, G.O.W. and Laufer, W. (2007). Criminology. New York: McGraw-Hill.
- Chambliss, W. J. (1988). Exploring Criminology. New York: Macmillan Publishing Company.
- Conklin, J. E. (1989) Criminology. New York: Macmillan Publishing Company.
- Cullen, F. and Robert, A. (2006). Criminological Theory: Past to Present. Los Angeles: Roxbury Publishing.
- Felson, M. (1998). Crime and Everyday Life (2nd Ed.). Thousand Oaks, CA: Pine Forge Press.
- Frank, E. H. (2017). Introduction to Criminology: Theories, Methods, and Criminal Behavior, (9th Ed.). Mercyhurst College, SAGE Publications, Inc.
- Jon, Heidt. (2015). Introducing Criminological Thinking Maps, Theories, and Understanding. SAGE Publications, Inc.
- Paranjape, N.V. (2015). Criminology & Penology with Victimology. Central Law Publication.

Suggested Readings:

- Ahuja, R. (2000). Criminology. Rawat Publication.
- Becker, H. S. (1963). Outsiders. New York: Free Press.
- E.H. Sutherland, Donald R. Cressey, David F. Luckenbill. (1992). Principles of Criminology (11th Ed.). New York: General Hall A Division of Rowman & Littlefield Publishers, Inc.
- Leonard, Eileen B. (1982). Women, Crime, and Society: A Critique of Theoretical Criminology. New York: Longman.
- M. Lynch, P. Stretesky, M. Long (2015). Defining Crime: A Critique of the Concept and Its Implication. Palgrave Macmillan, a division of Nature America Inc.
- McLaughlin, Eugene & Muncie, John (2013). The SAGE Dictionary of Criminology (3rd Ed.). SAGE Publications Ltd.
- Roger, Hopkins, Burke. (2014). An Introduction to Criminological Theory (Fourth edition). London & New York: Routledge Taylor & Francis Group.
- Walklate, Sandra (2007). Understanding criminology: Current theoretical debates (3rd Ed.). Open University Press, McGraw-Hill Education. New York.
- Yablansky Lewis. (1990) Criminology- Crime and Criminality. New York: Harper & Row Publishers Inc.



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Research and publication ethics

(CRM-CC-144)

ANNEXURE

Syllabus in detail

THEORY

☐ RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)

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

☐ RPE 02: SCIENTIFIC CONDUCT(5 hrs.)

1. Ethics with respect to science and research
2. Intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

☐ RPE 03: PUBLICATION ETHICS(7 hrs.)

1. Publication ethics: definition, introduction and importance
2. Best practices/standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals



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PRACTICE

☐ RPE 04: OPEN ACCESS PUBLISHING(4 hrs.)

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder/ journal suggestion tools viz.JANE, Elsevier Journal Finder, Springer Journal Suggester etc.

☐ RPE 05:PUBLICATION MISCONDUCT(4 hrs.)

A. Group Discussions (2hrs)

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

B. Software tools (2hrs)

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

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

A. Databases (4hrs)

1. Indexing databases
2. Citation databases: Web of Science, Scopus etc.

B. Research Metrics (3hrs)

1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR,IPP, Cite Score
2. Metrics: h-index, g index, i 10 index, altmetrics

References

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



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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.
5. 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> Beall, J. (2012) . Predatory publishers are corrupting open access. Nature, 489(7415), 179-179.
6. <https://doi.org/10.1038/489179a>
7. Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance (2019), ISBN;978-81-939482-1-7. <http://www.insaindia.res.in./pdf/Ethics> Book.pdf



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RESEARCH TRENDS IN VICTIMOLOGY

(CRM-EC-141)

UNIT-I

(13 Hrs.)

Concept of victim: meaning and nature of victim of crime, victim offender relationship, victim typology.

UNIT-II

(10 Hrs.)

Impact of victimizations: physical and financial impact, impact on family, psychological stress and trauma.

UNIT-III

(13 Hrs.)

Theories of victimology: Stephen Schafer, Hans von Hentig, Benjamin Mendelson.

UNIT-IV

(14 Hrs.)

Compensation and criminal justice system: restitution, ex-gratia payment, and insurance, victim Compensation in India, provisions under Cr.p.c. and S.C. S.T. Act., etc.; UN declaration on basic principles of justice for victims of crime.

UNIT-V

Criminal Justice System.

(10 Hrs.)

Research in victimology: research trend in victimology, scope in victimological research.

Essential Readings:

- Bonnie, S. Fisher & Steven P. Lab (2010). Encyclopedia of Victimology and Crime Prevention. SAGE Publications, Inc.
- Devasia V.V. & Leelammadevasia (1992). Criminology, Victimology and Corrections. Ashish Publishing House, Delhi
- Leah, E. Daigle (2013). Victimology: The Essentials. Georgia State University, SAGE Publications, Inc.
- Paranjape, N.V. (2015). Criminology & Penology with Victimology. Central Law Publication
- Robert, C. Davis, Arthur J. Lurigio & Susan Herman, (2013). Victims of Crime (4TH ED.). SAGE Publications, Inc.
- Tara, N. Richards, Catherine D. Marcum (2015). Sexual Victimization: Then and Now. SAGE Publications, Inc.

Suggested Readings:

- Acorn, Annalise E. (2004). Compulsory Compassion: A Critique of Restorative Justice. Vancouver: University of British Columbia Press.
- Emilio Viano (1987) Crime and its Victims. New York: Hemisphere Publishing Corporation.
- Gottfredson, Gary D. (1985). Victimization in Schools. New York: Plenum Press
- Mawby R.I. & M.L. Gill (1987) Crime Victims. London: Tavistock Publications
- Pamela Davies – Peter Francis- Chris Greer, (2017). Victims, Crime and society: An introduction (2nd ed.). Sage Publication Ltd.



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COMPUTER APPLICATION
(CRM -EC-142)

Unit – I

(13 Hrs.)

Understanding computer System: Input-output Devices, Software, Hardware. Overview of operating system and application.

Unit – II

(11 Hrs.)

Software for documentation: word processing, general use of MS Word: creation of files, selecting location of file, text formatting, table creation, printing setup.

Unit – III

(12 Hrs.)

General use of MS Excel: Data entries. Graphical presentations, statistical analysis by using MS excel. Security of data: password protection, backups.

Unit IV

(11 Hrs.)

Preparation of presentation, using MS PowerPoint. Creation of pdf files using document and other files.

Unit V

(13 Hrs.)

Statistical package for social sciences (SPSS): Data entry, data transfer, making graphs, descriptive and inferential statistics; saving of SPSS outputs; Internet and its application in research; Searching methods on internet; E- journals.

Essential Readings:

- Chandwani (2010). Computing and Informatics.
 - George, Mallpry. (2009). SPSS for windows Step by Step: Simple Guide and Reference. New Delhi, Pearson.
 - Sinha, P. K. (2004). Computer Fundamentals.
 - Rajaraman, V. (2009). Fundamental of Computer. (4th Ed.), New Delhi: PHI Learning Pvt. Ltd.
- Suggested Readings:
- Stefano Ceri, Dino Mandrioli & Licia Sbattella, (1998). The Art and Craft of Computing. Addison Wesley.
 - Mitra, Surbhi. (2013). Handbook of Computer Science & IT
 - Sharma, Vakul. (2017). Information Technology - Law and Practice (Law and Emerging Technology, Cyber Law & E-Commerce) 5th edition, Universal law publishing, New Delhi.



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APPLICATION OF STATISTICS IN CRIMINOLOGY AND CRIMINAL JUSTICE
(CRM -EC-143)

Unit I: Introduction: (10 Hrs.)
Definitions – Significance – Crime statistics in India – Source of crime statistics – Problems in the use of statistics

Unit II: Measures of Central Tendency and Variability: (12 Hrs.)
Mean, median and mode – Measures of variability: Range, quartile deviation, standard Deviation and coefficient – Merits of measures of central tendency and variability

Unit III: Correlation: (14 Hrs.)
Product moment correlation method – Rank correlation method – Multiple correlation (Multivariate analysis) method – Kendall's coefficient of concordance – Phi-coefficient – Association of attributes – Yule's coefficient of association – Coefficient of contingency – Regression analysis – Simple regression – Regression equations

Unit IV: Inferential: (12 Hrs.)
Concept of statistical inference – Test of significance – Steps involved in testing of hypothesis – Normal probability distribution – Tests of significance: CR, 't' test, Chi-square test, F-test – Analysis of variance – One way and Two way classification

Unit V: Computer-aided Statistics: (12 Hrs.)
Application of SPSS (Statistical Package for Social Sciences) in criminological research – Statistical methods – Assumptions and applicability in Criminal Justice Research

Essential Readings:

- Agarwal, B. (2012). Basic statistics. Tunbridge Wells: Anshan.
- Argyrous, G. (2000). Statistics for social science research: With a guide to SPSS. London: SAGE.
- Babbie, E. (2011). Adventures in social research: Data analysis using IBM SPSS statistics (7th ed.). Los Angeles, California: Pine Forge Press.
- Freund, R., & Wilson, W. (2010). Statistical methods (3rd ed.). Amsterdam: Elsevier.
- Gaur, A., & Gaur, S. (2009). Statistical methods for practice and research a guide to data analysis using SPSS (2nd ed.). Los Angeles: Response.
- Gupta, S. P. (2008). Statistical methods. New Delhi: Sultan Chand & Sons.
- Leabo, D., & Smith, C. (1968). Basic statistics (3rd ed.). Homewood, Illinois: R. D.
- Irwin, Lynch, S. (2013). Using statistics in social research: A concise approach. New York: Springer
- Ostle, B. (1963). Statistics in research; basic concepts and techniques for research workers. (2d ed.). Ames: Iowa State University Press.



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- Ott, L. (1992). Statistics: A tool for the social sciences (5th ed.). Boston: PWS-Kent Pub.

Suggested Readings:

- Hays, W.L. (1981). Statistics 3rd Edition. CBS College Publishing, New York.
- Ostle, B. (1966). Statistics in Research basic concepts and techniques for research workers. Indian Edition publishers the Iowa State University Press, U.S.A.
- Pfaffenberger, R.C. (1977). Statistical Methods For business and economics. Richard D. Irwin, Inc. Homewood, Illinois , Irwin-Dorsey Ltd. U.S.A.
- Phipps, M. C., &Quine, M. P. (1998). A primer of statistics. Australia: Prentice Hall.
- Rustagi, J.S. (1984). Introduction to Statistical Methods.Rowman&Allanheld, Publishers, U.S.A.
- Simpson, George. (1965). Basic Statistics. Oxford & IBH publishing Co.36, chowringhee Road,Calcutta-14
- Sirkin, R. M. (2006). Statistics for the social sciences (3rd ed.). New York: SAGEPublications □
- Twaite, A.J. (1979). Introductory Statistics. Scott, Foresman and Company, United States of America.
- Wonnacott, T.H. (1990). Introductory Statistics. John Wiley & Sons, Inc. Published simultaneously in Canada.



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REVIEW OF PUBLISHED RESEARCH WORK
(CRM -CC-143)

Course coordinator /instructor: prospective supervisor

There shall be an evaluation committee to evaluate the review of published research.

The evaluation process shall involve seminar presentation by the candidate followed by viva –voce on the presentation.

The Ph.D. student shall be required to submit two copies of typed /written record. The distribution of marks for the review of published research will be as follows:

Presentation	40 marks
Written work	40 marks
Viva voce	20 marks
Total	100 marks

Review of published research work will be valued as per ordinance -23A.