

TEACHING PLAN

ADPH -SI-03 Research Methodology for Public Health

(AUGUST - NOVEMBER 2019)

Course Teacher: Prof. Ushvinder Kaur Popli

Max Marks: 100(25/75)

Course marks/credits: 100/4

Transaction time: 4 periods (55 Minutes each) each week for 16 weeks

Part-I Internal assessment:

Based on Practical assessment of computer application in Practical class of 25 marks.

At the end of the course, the student shall be able to:

1. Understand the concept , definition and ethics of research in public health .
2. Learn Research Process and the fundamentals of mixed methods of research
3. Learn the types of researches , steps of research and Research designs.
4. Learn essential skills in research- data collection, interpretation etc.
5. Develop Core Competencies for Public Health Researchers

AUGUST

Week 2: Introduction to Public Health Research

Yeboah David A. (2010) Research Methodologies in Public Health (Public Health in the 21st Century) USA : Nova Science Publishers Inc
Singh Vijay Kumar (2006) Fundamentals of Research Methodology and Statistics.
New Delhi : New India International (P) Ltd , Publishers

Week 3 : Concept, definition, and importance of Research in Public Health

Kothari C.R. (2009) Research Methodology : Methods and Techniques.New Delhi : New India International (P) Ltd , Publishers
Singh Vijay Kumar (2006) Fundamentals of Research Methodology and Statistics.
New Delhi : New India International (P) Ltd , Publishers

Week 4 Types of Research and Research designs

Creswell, John W., and Vicki L. Plano Clark. *Designing and conducting mixed methods research*. Thousand Oaks, CA: Sage publications, 2007.
Bowling, Ann. 2009 *Research methods in health*. Maidenhead: Open University Press,

SEPTEMBER

Week 1 : Steps in Research and Ethics in Public Health research

Guthrie Gerard 2010 Basic Research Methods : An entry to Social Science Research New Delhi : SAGE publication India Pvt Ltd
McTavish Don .G. and Loether Herman J .2011 Social Research : An evolving Process . New Delhi : PHI Learning Pvt. Ltd

Week 2 Writing a research proposal

Hamper Robert J. And , Baugh L. Sue 2010 Handbook For Writing Proposals, Second Edition Paperback. USA.McGraw Hills
New Cheryl Carter and Quick James Aaron 2003 How to Write a Grant Proposal New Jercey : John Wiley and sons Inc.

Week 3 Research Process and Quantitative analysis

McTavish Don .G. and Loether Herman J .2011 Social Research : An evolving Process New Delhi : PHI Learning Pvt. Ltd
De Vos, Anna Susanna, C. S. L. Delport, Christa B. Fouché, and H. Strydom.*Research at grass roots: A primer for the social science and human professions.* Van Schaik Publishers, 2011.

Week 4 Sampling: Qualitative and Quantitative

Rubin Allen and Babbie Earl.R 2011 Methodology For Social Work Research New Delhi : Cengage Learning India Pvt Ltd.
Sharon Lohr 2010 Sampling: Design and Analysis USA: Brooks /Cole

NOVEMBER

Week 1 : Tools and techniques of data collection: Qualitative and Quantitative.

Berg, Bruce Lawrence, and Howard Lune. *Qualitative research methods for the social sciences.* Vol. 5. Boston: Pearson, 2004.

1. Pope, Catherine, and Nick Mays. "Reaching the parts other methods cannot reach: an introduction to qualitative methods in health and health services research." *BMJ: British Medical Journal* 311.6996 (1995): 42.

Week 2 Data Management: collation, editing

Briney Kristin (2015) Data Management For Researchers: Organize, Maintain And Share Your Data For Research Success *Exeter, England: Pelagic Publishing, 2015.*
Ton de Waal, Jeroen Pannekoek and Sander Scholtus (2011) Handbook of Statistical Data Editing and Imputation , New Jersey : A John Wiley & Sons, Inc., Publication

Week 3 Analysis, Meta analysis and Data interpretation.

Michael Borenstein, L. V. Hedges, J. P. T. Higgins and H. R. Rothstein 2009 .
Introduction to Meta-Analysis .United Kingdom: John Wiley & Sons Inc., Publication
Harris Cooper Research Synthesis and Meta-Analysis :A Step-by-Step Approach .
US: Duke University,

Week 4 Report writing: concept, process, dos and don'ts

Day, Robert, and Barbara Gastel. *How to write and publish a scientific paper*.
Cambridge University Press, 2012.

Research Methodology : A research Guide For Beginners Kumar Ranjit 2014 New Delhi:
SAGE Texts

Guthrie Gerard 2010 Basic Research Methods : An entry to Social Science Research New
Delhi : SAGE publication India Pvt Ltd