

**Semester-II
Elective Course**

3. Course Code & Title: MPC 50 03: Mixed-Methods in Health Sciences

Credit: 3

Course objectives:

This course will provide an overview of mixed-methods research mainly in the domain of public health. It will introduce students to the epistemological/philosophical underpinnings of mixed-methods approach, and examine the ways in which quantitative and qualitative research designs interact in the context of addressing a research question.

Course outcomes:

On completion of this course, students will be able to

1. Understand the epistemological/philosophical underpinnings of mixed-methods approach.
2. Learn the strengths and weaknesses of using mixed methods in order to address research problems and answers research questions.
3. Develop a research proposal employing mixed-methods approach,
4. Apply mixed-methods approach in conducting a research of public health importance.

Skills developed:

On successful completion of the course the students shall be skilled at designing and conducting mixed methods research, triangulating quantitative and qualitative methods and writing for publications in mixed methods studies.

Teaching methods: This course will have an applied focus and delivered using a variety of methods and modalities. Such as interactive classroom and online lectures, self-study, case studies, written assignment, class room exercises using computers/software, quiz, field visit, group work, field survey, class room presentations in groups etc.

Units and Topics	Teaching Methods								Mandatory Readings
Unit-I: Introduction to mixed-methods research	L	FW	FV	CS	GW	SS	SP	P	

<ul style="list-style-type: none"> i. Definition and important features of mixed-methods designs and when to use a mixed them in public health; ii. Advantages and disadvantages of mixed method designs; iii. Historical development of mixed method designs; iv. Philosophical underpinnings of mixed method research and pragmatism; v. Steps in designing mixed methods study; vi. Skills needed to conduct mixed methods study. 	x				x	x			<p>Creswell JW, Klassen AC, Plano Clark VL, Smith KC. Best Practices for Mixed Methods Research in the Health Sciences. Office of Behavioral and Social Sciences Research (OBSSR) National Institutes of Health. 2011.</p> <p>Creswell JW. A concise introduction to mixed methods research. SAGE publications; 2014 Mar 31. (Chapter-1: Basic Features of Mixed Methods Research)</p> <p>Creswell JW. A concise introduction to mixed methods research. SAGE publications; 2014 Mar 31. (Chapter-2: The Development and Advancement of Mixed Methods).</p>
Unit-II: Mixed-methods Designs	L	FW	FV	CS	GW	SS	SP	P	
<p>Selecting the appropriate mixed method design in health research;</p> <ul style="list-style-type: none"> i. <u>Basic design</u>: Convergent parallel designs; explanatory and exploratory sequential designs; and Convergent parallel mixed methods ii. <u>Advanced designs</u>: Embedded mixed method designs; transformative designs; and multi-phase designs. 	X			X		X		X	<p>Tariq S, Woodman J. Using mixed methods in health research. JRSM short reports. 2013 May 7;4(6):2042533313479197.</p> <p>Creswell JW. A concise introduction to mixed methods research. SAGE publications; 2014 Mar 31. Chapter 5. Basic and Advanced Mixed Methods Designs.</p> <p>Creswell, John W. 2008. Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. Sage Publications, Inc.; 3rd edition. ISBN-10: 1412965578</p> <p>Creswell JW. A concise introduction to mixed methods research. SAGE publications; 2014 Mar 31. Chapter 5. Basic and Advanced Mixed Methods Designs.</p>

