

1.	Subject Title:	Health Survey & Research Methods
2.	Subject Code:	HEM-703
3.	Contact Hours	60
	Self Study, Assignments	30
	Credit Points	06

4. Subject description and expected learning outcomes

The course is specifically designed to provide a comprehensive knowledge and skills for designing a health survey from conceptualization of the problem to the writing up the results at the end.

5. Mode of delivery

The course will take the students through theoretical and operational guidelines and their application. One would have a sense of “how to” carry out each step, “why” each is important and “how: they are interrelated.

6. Contents

Week	Hours	Units	Contents
		1	<u>Health Survey: an Overview</u>
	4		Definition,
			Purpose and uses of survey
			Health survey methods in Indian context
	4	2	<u>Planning a Health Survey</u>
			Overview
			Steps of planning a health survey
	4	3	<u>Research Questions: to Survey Objectives</u>
			Defining problems and research question
			Framing objectives
			Characteristics of objectives
			Relationship of objectives with hypothesis
			Group work and Exercises on identification of subjects and objectives
			Assignment 1
	5	4	<u>Defining Survey Variables</u>
			Defining of variables
			Types of variables
			Interrelationship and identifying variables
	4	4	<u>Developing analysis plan</u>
			Need of analysis plan
			Linkages of hypothesis
			Mock tables, scheduling
	1		Group Exercises on variable identification and analysis plan
			Assignment 2

Week	Hours	Units	Contents
	6	5	<u>Sample design</u>
			Sample frame
			Elements of sample,
			Sample to be included
			Sample estimation
			Group Work
	6	6	<u>Method of data collection</u>
			Methods of data collection (quantitative and qualitative) : Individual, telephonic interview, FGD, electronic etc.
			Group Work
			Assignment 3
	5	7	<u>Designing Survey Tools</u>
			Developing questionnaire
			Pre-testing
			Pilot test
			Group Work
			Assignment 4
	5	8	<u>Quality Check on Data Collection</u>
			Selection of investigators
			Training of investigators,
			Monitoring and
			Evaluation
			Group Work
			Assignment 5
	5	9	<u>Field work</u>
			Execution of survey
	6	10	<u>Data Analysis</u>
			Data compilation
			Data entry,
			Data clearing,
			Data editing
			Table and charts generation and
			Interpretation
			Group Work
			Assignment 6
	6	11	<u>Report writing</u>
			Outlines of reports as per need of client as such as dissertation, thesis, monograph, articles, news paper article etc.
			Group Work
			Assignment 7

7. Assessment

The students will be assessed by a written Examination and assignments. The distribution of marks will be as follows:

Final written examination	70%
Mid-term examination & assignments	30%

8. Assignments

There will be four assignments in this course, to be followed by the group work and exercises in the class.

Assignment 1

Assignment 1 will assess the knowledge and skills of the students in planning a health survey, setting objectives of the survey and developing the identifiable indicators. The students will be asked to collect relevant information for a health issues.

Assignment 2

This assignment will assess the students understanding of analysis plan and ability to link the objectives to hypothesis framing.

Assignment 3

The assignment 3 will assess the knowledge and skills of the student in understanding sampling frame, calculation of sample size etc. The students will collect relevant information for calculating sample size for measuring various important health indicators such as IMR, CBR, CPR etc.

Assignment 4

Assignment 4 will assess the understanding and competencies in designing survey tools suitable for various survey methods. The issues involved with questionnaire making, pre-testing the tools etc.

Assignment 5

Assignment 5 will assess the understanding and competencies in maintaining the quality of the tools, data collection for survey, survey data cleaning etc.

Assignment 6

Assignment 6 will assess the understanding and capability of the students in data analysis.

Assignment 7

Assignment 7 will assess the understanding and capability of the students in documentations of survey research finding. Based on the group work in the class, the students will be required to make a presentation and submit a brief project report (Not more 6 pages) on operationalizing a Health Survey.

9. Readings

- IIHMR course material
- Abstract Note prepared by IHMR faculty from “Designing and conducting Health Survey” by Luann Aday
- NFHS questionnaire, training materials
- RCH questionnaire and training materials