



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH**

MASTER OF PUBLIC HEALTH

**MASTER OF SCIENCE IN SEXUAL REPRODUCTIVE HEALTH RIGHTS & POLICY
MASTER OF SCIENCE IN HEALTH SYSTEMS MANAGEMENT**

END OF SEPTEMBER – DECEMBER 2025 EXAMINATIONS

MPH/ SRHRP/ HSM 714: RESEARCH METHODS

DATE: December xx, 2025

TIME: 3 hours **Start:** 1600 Hours **Finish** 1900 Hours

INSTRUCTIONS

1. This exam is marked out of 100 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (25 marks)
Section B: Long Answer Questions (75 marks)
3. All questions in Section A are compulsory and Answer any THREE questions in Section B
4. This online exam shall take 3 Hours
5. Ensure your web-camera is always on and directly positioned to capture you during the examination period
6. The AMIU VAS-Exams System has inbuilt integrity checks to detect and record cheating activities during examinations
7. Any aspect of cheating detected during and or after the exam administration will lead to disciplinary and nullification of your results
8. In case you have any clarification on the examination questions, call Dr Josephat Nyagero on Tel +254722301689, or the Head of Department on Tel +25472073449 and/ or The VAS Administrator on +254733682489 on system related challenges
9. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke with copy to the HoD

SECTION A: COMPULSORY QUESTION (25 MARKS)

1. Answer the following questions:
 - a) Describe the scope of health research within the context of *public health/ health systems management/ or sexual & reproductive health, rights & policy* **(4 marks)**
 - b) Using examples from your area of study specialization, distinguish
 - i) Individual (sub-individual) from population health research **(4 marks)**
 - ii) A pilot study from a pretest **(4 marks)**
 - c) “The aim of a good research design is to minimize errors and maximize accuracy”
Discuss this statement **(4 marks)**
 - d) Explain the 3 ways in which a researcher can avoid plagiarism **(3 marks)**
 - e) Outline six (6) components to be consider when writing the discussion section of a research report **(6 marks)**

SECTION B: SELECT ANY THREE (3) QUESTIONS -75 MARKS

2. Discuss any six (6) research designs that a researcher can employ in carrying out a public health/ health systems management/ sexual and reproductive health, rights and policy research **(25 marks)**
3. Choose a health research issue of interest in your area of study and develop the following:
 - a) Study title **(4 marks)**
 - b) Statement of the problem **(6 marks)**
 - c) 3 objectives for the study **(6 marks)**
 - d) Study justification and significance **(5 marks)**
 - e) Design and its rationale **(4 marks)**
4. You are carrying out a qualitative health research:
 - a) Describe the five (5) issues that a researcher should consider when developing a key informant interview schedule **(5 marks)**
 - b) Using examples, discuss the characteristics of a good moderator in focus group discussion **(12 marks)**
 - c) Identify a relevant study title, and develop an appropriate qualitative data collection tool to be used **(8 marks)**
5. Describe in details the issues an investigator should cover when preparing the following sections of a research report
 - a) Describe the five (5) steps a researcher can adopt to process data in readiness for its analysis **(10 marks)**
 - b) Using examples, discuss five (5) methods researchers use to present or display research results **(10 marks)**
 - c) Explain the structure that an abstract should contain **(5 marks)**



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SUPPLEMENTARY/ SPECIAL – FEBRUARY/ MARCH 2026 EXAMINATIONS

MPH/ SRHRP/ HSM/ HPE/ MBE 714: RESEARCH METHODS

DATE: February/ March xx, 2026

TIME: 3 hours **Start:** 1600 Hours **Finish** 1900 Hours

INSTRUCTIONS

1. This exam is marked out of 100 marks
2. This Examination comprises TWO Sections
3. **Section A:** Compulsory Question (25 marks)
4. **Section B:** Long Answer Questions (75 marks)
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SECTION A: COMPULSORY QUESTION (25 MARKS)

Compulsory

1. Answer the following questions:
 - a) Using examples in public health/ Health systems management/, distinguish basic from applied research, and epidemiological from health systems research **(6 marks)**
 - b) Outline the components of a research proposal for a Master degree programme **(6 marks)**
 - c) 'Ethics in research involves the protection of both the human subjects/ participants as well as research investigators.' Using appropriate examples discuss the statement **(7 marks)**
 - d) Outline the ten-step content analysis proposed by Hancock for analyzing qualitative data **(6 marks)**

Answer Any three (3)

2. Discuss the processes you could adopt in developing and presenting an organized and comprehensive public health/ HSM/ HPE review of literature **(25 marks)**
3. Discuss at least seven (7) sampling procedures that you could use in selecting a sampling design for a public health/ Health systems management research that your county health director has delegated to you as its team leader **(25 marks)**
4. You are the principle investigator of a study on the disposal of sharps in a health facility.
 - a) Develop a suitable title for the study **(3 marks)**
 - b) Develop the statement of the problem **(5 marks)**
 - c) Suggest Three (3) research objectives of the study **(6 marks)**
 - d) Outline the justification and significance of the study **(5 marks)**
 - e) Develop a tool for collecting data from respondents/participants **(6 marks)**
5. Discuss the issues to cover in preparing the following sections of a research report:
 - a) the abstract **(6 marks)**
 - b) the methodology **(8 marks)**
 - c) the discussion **(6 marks)**
 - d) the appendices **(5 marks)**