PURPOSE OF THE PROGRAMME

The purpose of the programme is to offer cutting-edge, advanced training to prepare individuals for academic and research careers. Advanced epidemiological and biostatistical methods underpin clinical medical research, public health practice and health care evaluation in investigation for causes and interventions towards prevent or control of disease.

LEARNING OUTCOMES OF THE PROGRAMME

The expected learning outcomes of Doctor of Philosophy in Epidemiology and Biostatistics are:

1. Graduates with skills in advanced methods in epidemiologic research, and biostatistics analytical methods
2. Graduates who are expert and independent researchers in public health
3. Graduates prepared to formulate and implement health policies and evaluate of epidemiologic programmes in public health.
4. Graduates with the values of professionalism and who are responsive to health needs of the community and able to address them efficiently.
5. Graduates who shall promote the stated vision, mission, and philosophy of JKUAT.

ENTRY REQUIREMENT

1. The common regulations for all Doctor of Philosophy degrees in the University shall apply.
2. The following shall be eligible for admission into the Doctor of Philosophy in Epidemiology and Biostatistics.
   i. Master of Science degree in Epidemiology and Biostatistics from Jomo Kenyatta University of Agriculture and Technology (JKUAT) or any other institution recognized by the JKUAT senate.
   ii. Master's degree in any other health related field that is equivalent to Master of Science in Epidemiology and Biostatistics
   iii. In addition to the above, the applicant should also have satisfied the minimum entry requirements for admission to an undergraduate degree programme.

DURATION AND PATTERN OF THE PROGRAMME

1. The Doctor of Philosophy in Epidemiology and Biostatistics programme shall be pursued for a minimum period of three (3) academic years (at least thirty- six (36) months) from the date of registration comprising and shall not exceed sixty (60) months for full time.
2. An academic year shall consist of two semesters each of fourteen (14) weeks of lectures and an additional two (2) weeks of examinations at the end of each semester. After successful completion of coursework, the learner will proceed to write research proposal and thesis.
3. No candidate for the degree of Doctor of Philosophy shall be registered as a full- time student for more than five (5) academic years (sixty (60) months) without submitting a thesis, except by permission of the University Senate.
4. The Doctor of Philosophy in Epidemiology and Biostatistics programme shall consist of coursework, examination, and thesis
5. The programme shall be pursued as either full time or part time

PROGRAMME STRUCTURE

S/No.	Course Code	Course
Year One		
1	PEH 4100	Advanced Quantitative Research Methods
2	PPH 4100	Advanced Qualitative Research Methods
3	PEH 4101	Advanced Biostatistics
4	PPH 4105	Research Seminar
5	PEH 4103	Advanced Applied Epidemiology
6	PEH 4104	Design and Analysis of Clinical Trials
Years Two & Three		
7	PEH 4200	Thesis