



*In Search of Better Health*

# KENYA MEDICAL RESEARCH INSTITUTE

DOCUMENT TITLE: MSC. MEDICINAL CHEMISTRY

REF NO: KEMRI/KGSHS/DOC/PR/13

ISSUE NO: 1

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## ENTRY REQUIREMENT

The following shall be eligible for registration for the Master of Science in Medicinal Chemistry:

- A holder of at least an upper second-class Honours degree in Pharmacy, Chemistry, Biochemistry or a qualification recognized by JKUAT Senate.
- Under exceptional circumstances a holder of a Lower second-class Honours degree in the above provided that the candidate produces acceptable evidence of research ability.

## DURATION AND PATTERN OF THE PROGRAMME

The duration of the Master of Science course in Medicinal Chemistry shall be at least eighteen months (18 months) from the date of registration.

The Master of Science course in Medicinal Chemistry shall consist of:

- Taught courses in the first year of study
- Research, seminars, and thesis in the second year of study.

## PROGRAMME STRUCTURE

S/No.	Course Code	Course
<b>Year One</b>		
1	TID 3100	Research Methodology
2	TID 3101	Computer Applications in Health Research
3	TID 3103	Epidemiology
4	TID 3104	Biostatistics and Demography
5	TPS 3100	Quantitative Structure-Activity Relationships (QSAR)
6	TPS 3101	Drug Metabolism
7	TPS 3102	Principles of Organic and Inorganic Synthesis
8	TPS 3103	Instrumental Methods
9	TPS 3104	Spectroscopic Methods
10	TPS 3106	Chemistry of Peptides & Proteins
11	TPS 3109	Pharmacology and Toxicology