

# PROGRAMME CURRICULUM

## MASTER OF SCIENCE IN APPLIED BIOMEDICINE

### Core Courses

S/N	PROPOSED COURSE TITLE	COURSE CODE	UNITS
1	Leadership in Biomedicine	ABM5001	2
2	Advanced Biostatistics for Research	ABM5002	2
3	Biomedical Innovation & Enterprise	ABM5003	4
4	Capstone Project	ABM5004	8
5	Advanced Biomedical Informatics	BMI5101	4
6	Advanced Topics in Signal Transduction*	MDG5229	4
7	Techniques in Biomedical Research*	MDG5102	4

\*Can only be read by students who are not taking up Capstone Project

### Elective Courses

#### Specialisation in Vaccinology and Immunotherapy

S/N	PROPOSED COURSE TITLE	COURSE CODE	UNITS
1	Applied Immunology	ABM5101	4
2	Vaccine development and its modern applications	ABM5102	4
3	Advanced technologies in immune therapeutic development	ABM5103	4
4	Microbiome-Aging-Immunity crosstalk	ABM5104	4
5	Clinical Immunology and Immunotherapeutics	MDG5207	4

## Specialisation in Drug Discovery and Development

S/N	PROPOSED COURSE TITLE	COURSE CODE	UNITS
1	Drugs used in Infectious Diseases	<b>ABM5105</b>	4
2	Anticancer Therapeutics	<b>ABM5106</b>	4
3	Advanced Topics in Fundamental and Applied Pharmacology	<b>MDG5204</b>	4
4	Current practices in Biotechnology	<b>MDG5232</b>	4
5	Current Topics in Drug Design and Development	<b>MDG5233</b>	4

## Specialisation in Infectious Diseases Management

S/N	PROPOSED COURSE TITLE	COURSE CODE	UNITS
1	Vaccine development and its modern applications	<b>ABM5102</b>	4
2	Drugs used in Infectious Diseases	<b>ABM5105</b>	4
3	One World, One Health: Ecosystems, Animals and Us	<b>ABM5107</b>	4
4	Infectious Diseases: Principles & Research Methods	<b>MDG5246</b>	4
5	**Control of Communicable Diseases	<b>SPH5201</b>	4
6	**Urban Outbreak Management	<b>SPH5205</b>	4
7	**Urban Field Epidemiology	<b>SPH5206</b>	4

\*\*Students can only read one out of these three SPH courses.