



INSTITUT D'ENSEIGNEMENT SUPÉRIEUR DE RUHENGERI

B.P. 155, Ruhengeri, Rwanda

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Department of Biomedical Laboratory Sciences

Program overview

1st Year

Module Code	Module	Credits	Units
LAN 101	Languages and Communication	10	- French - English
ICT 101	Introduction to Computer Sciences	10	- Introduction to computers and computer literacy - Introduction to ICT
PHS 101	Introduction to Philosophy, Medical Psychology and Counseling	10	- Introduction to Philosophy and Bioethics - Medical Psychology and Sociology - Counseling
BMS 101	Cell Biology	10	Cell Biology
BMS 102	Anatomy and Physiology	15	- General Anatomy - General Physiology
BMS 103	Haematology	10	General Haematology
BMS 104	Biochemistry I	10	Biochemistry I
BMS 105	Microbiology I	10	Microbiology I
BMS 106	Parasitology and Entomology	15	- Introduction to Parasitology - Entomology
CLS 101	Analytical Chemistry And Chemical Pathology	20	- Analytical Chemistry - Introduction to Chemical Pathology



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2nd Year

Module Code	Module	Credits	Units
BMS 207	Genetics	10	Genetics
CLS 202	Haematology and Immunohaematology	15	- Haematology II - Immunohaematology I
CLS 203	Histopathology	10	- Histology - Histo - Cytopathology
CLS 204	Chemical Pathology II	15	Chemical Pathology II
BMS 208	Microbiology II	15	- Bacteriology - Parasitology II
BMS 209	Molecular Biology I	10	Molecular Biology I
BMS 210	Immunology and Virology	15	- Immunology - Virology
CLS 205	Phlebotomy and Laboratory Safety	10	- Phlebotomy - Laboratory Safety
CLS 206	Clinical Attachment I	20	Clinical Attachment I

3rd Year

Module Code	Module	Credits	Units
CLS 307	Chemical Pathology III	15	Chemical Pathology III
CLS 308	Microbiology III	10	- Food Poisoning - Mycology
CLS 309	Parasitology III	10	Parasitology III
CLS 310	Histotechnology	10	Histotechnology
CLS 311	Molecular Biology II & Med. Genetics Engineering and Bioinformatics	15	- Molecular Biology II & Basic Technics in Genetic Engineering - Bioinformatics
CLS 312	Applied Immunology	10	Applied Immunology
CLS 313	Haematology III and Immunohaematology II	10	- Haematology III - Immunohaematology II
CLS 314	General Pharmacology and Toxicology	10	- General Pharmacology - Toxicology
CLS 315	Clinical Attachment II	30	Clinical Attachment II



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4th Year

Module Code	Module	Credits	Units
CLS 416	Microbiology IV	10	- Bacteriology diseases - Mycotic diseases
CLS 417	Haematology IV and Immunohaematology III	10	- Haematology IV - Immunohaematology III
CLS 418	Parasitology IV	10	Parasitology IV
CLS 419	Health Measurement and Research	20	- Biostatistics - Epidemiology and Disease Control - Basics of Medical Research
CLS 420	Biomedical Laboratory Management	10	- Laboratory Quality Assurance - Laboratory Management
CLS 421	Clinical Attachment III	30	Clinical Attachment III
CLS 422	Research Project	30	Research Proposal & Project