

Below are the schedules of lectures, seminars and practical during the various postings from second semester 300 level to second semester 400 level;

<b>SEMESTER (POSTING)</b>	<b>CORSE CODE</b>	<b>COURS E UNIT</b>	<b>COURSE TITLE</b>	<b>COURSE CONTENTS</b>
<b>300 Level- 2<sup>nd</sup> Semester</b>  <b>(Applied basic medical sciences lecture series)</b>	<b>HAEM 301</b>	<b>2</b>	<b>Introduction to Haematology</b>	-Haemopoiesis: Bone marrow structure and function, regulation of erythropoiesis, granulopoiesis, lymphopoiesis and megakaryopoiesis.  -Haemopoietic growth factors in clinical use.  -Haematological values  -Introduction to serology.  -Biosafety guidelines
	<b>HAEM 303</b>	<b>3</b>	<b>Haemoglobinopathies</b>	-Haemoglobin structure & function, - Normal Haemoglobins/ abnormal variants.  -Genetic basis of haemoglobinopathy and introduction to its clinical significance.
	<b>HAEM 305</b>	<b>3</b>	<b>Blood safety I (Clinical blood transfusion)</b>	-General safety in Haematology Laboratory &-Safe blood transfusion Practice  -Antigens in Human blood  -ABO System  -Rh System  -Other blood group systems  -The blood donor/ types of donation  -Storage of Blood  - Blood components

				<ul style="list-style-type: none"> <li>-The Blood Recipient</li> <li>-Complications of Blood transfusion</li> <li>-Appropriate use of blood and alternative to allogeneic blood transfusion</li> <li>- Haemolytic disease of the Newborn.</li> <li>-Stem Cell Transplantation</li> </ul>
	<b>HAEM 307</b>	<b>2</b>	<b>PRACTICAL I</b>	<b>Laboratory practical in General Haematology</b>
<b>SEMESTER (LEVEL)</b>	<b>COURSE CODE</b>	<b>COURSE UNIT</b>	<b>COURSE TITLE</b>	<b>COURSE CONTENTS</b>
<b>1st semester (400 Level)</b>	<b>HAEM 401</b>	<b>2</b>	<b>Coagulation disorders</b>	<ul style="list-style-type: none"> <li>-Physiological basis of haemostasis, Coagulation factors/ coagulation cascade.</li> <li>-Overview of haemostasis.</li> <li>-Acquired and inherited coagulopathy.</li> <li>-Disseminated Intravascular Coagulopathy: Common causes and management.</li> </ul>
“	<b>HAEM 403</b>	<b>2</b>	<b>Haematological Malignancies I</b>	<ul style="list-style-type: none"> <li>-Overview of the molecular basis of haematological malignancies.</li> <li>-Cell cycle and Principles of Cancer Chemotherapy.</li> <li>-Acute Leukaemias</li> <li>-Chronic Leukaemias</li> <li>-Bone marrow failure and related syndromes</li> <li>-Cytogenetics and staining techniques in Haematology.</li> </ul>

				-Genetics and Molecular biology.
“	<b>HAEM 405</b>	<b>3</b>	<b>Anaemias</b>	<ul style="list-style-type: none"> <li>-Classification of red blood cell disorders</li> <li>-General overview of anaemia, definition, classification, physiological adaptation and clinical features. -General algorithm for investigations of patients with anaemia.</li> <li>-Classification of Haemolytic anaemia</li> <li>-Anaemias of chronic disorders.</li> <li>-Iron deficiency anaemia: Clinical presentation, Laboratory diagnosis and Standard Management.</li> <li>-Vitamin B12 and folate deficiency: Clinical Presentation, Laboratory diagnosis and standard management.</li> </ul>
“	<b>HAEM 407</b>	<b>2</b>	<b>Practical II</b>	Practical on Methods of laboratory diagnosis of anaemia, leukaemia and coagulation disorders.
<b>2<sup>nd</sup> SEMESTER (400 level)</b>	<b>HAEM 411</b>	<b>3</b>	<b>Blood Safety II (Infectious diseases)</b>	<ul style="list-style-type: none"> <li>-Transmission of infectious diseases.</li> <li>-Transfusion transmissible infections (TTIs): Hepatitis A, B &amp; C, Bacterial and Protozoan transmission etc.</li> <li>- Infection in the immunocompromised.</li> <li>-Haematological manifestations of HIV/AIDS. -</li> </ul>
“	<b>HAEM 413</b>	<b>2</b>	<b>Medico- legal issues in Haematology</b>	<ul style="list-style-type: none"> <li>-Paternity disputes</li> <li>-Chimerism</li> <li>-Confidentiality issues.</li> <li>-Mismatch issues.</li> <li>- Laboratory audit and management</li> </ul>

“	<b>HAEM 415</b>	<b>2</b>	<b>Haematological Malignancy II</b>	-Management of Lymphomas and Leukaemias, Plasma cell dyscrasias.-
“	<b>HAEM 417</b>	<b>3</b>	<b>PRACTICAL III</b>	-Serology  -Principles of ELISA.  -Automation and data interpretation.
	<b>HAEM 419</b>	<b>1</b>	<b>SEMINAR</b>	Seminar Presentation on shared out topics by students. Each student/ group of students is/ are attached to a seminar coordinator.