***Department: Clinical Laboratory Sciences***

***Course number: CLS 442***

***Course title: Clinical practice of haematology***

***Credit hours: 1 + 1 = 2.5***

***Course description***

The students will be introduced to and learn the working system of routine haematology laboratory and the Blood Bank. The need is for the students to follow the routine laboratory work starting from specimen collection right through to sending results to the clinicians. Some attention will be given to interpretation of results and identification and quick reporting of grossly abnormal life threatening results to the clinicians.

In the blood bank, the students will be encouraged in participating in the production of blood products ( packed cells, platelets concentrates, fresh frozen plama etc . ) and in the production of cryoprecipitate

***CLS 442 Laboratory Hospital Schedule***

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| **week** | **Subject** |
| **1 to3** | Phlebotomies, specimen collection and registration |
| **4 to 6** | Mean donor collection and processing of blood donor |
| **7 to 9** | Mean Blood bank and blood transfusion processes. |
| **10 to 12** | Coagulation laboratory units |
| **13 to 15** | Mean Laboratory Haematology, Electronic machines  Reading blood film |

***References***

* 1-Practical Hematology. Sir John V. Dace & SM Lewwis..ISBN: 0 443 01981 9
* 2- Haematology at a Glance .. Atu Mehta & Victor Hoffbrand..ISBN 10-4051-2666-3
* 4- Essential Haematology..Hoffbrand AV, Pettit JE, PAH Moss…4th ed. 2001, Blackwell Scientific Publications…..ISBN 0632051531