TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	Technical institute / kut
2. University Department/Centre	Middle Technical University
3. Course title/code	Hematology
4. Programme(s) to which it contributes	
5. Modes of Attendance offered	Attendance is mandatoory
6. Semester/Year	Year
7. Number of hours tuition (total)	180 hrs.
8. Date of production/revision of this specification	2016-11-22
9. Aims of the Course	
Knowing medical system and tests that a disease case	ccure in laboratory and diagnosis the

10. Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Knowledge and Understanding

A1. diagnosis of pathological blood causes

A2. assess the health status of the patient

A3. diagnosis and evaluation and analysis of blood samples using modern equipmen

A4.

A5.

A6.

B. Subject-specific skills

B1. Labs

B 2 - scientific visits

B 3 - summer training

Teaching and Learning Methods

Laboratories and scientific visits and summer training

Assessment methods

Oral + written + quarterly exams + final

C. Thinking Skills

C1. J1- theoretical lectures

C2. practical skills within the laboratory

C3.

C4.

- D. General and Transferable Skills (other skills relevant to employability and personal development)
 - D1- graduate work in government institutions and the private sector
 - D2- gets the skills in the use of laboratory services, medical cos

D3.

D4.

11	Course	Structure
11.	Course	Duuctuic

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	6	Technical diploma	Introduction importance of haematology. study the blood contains.	Laboratories and scientific visits and summer training	Oral + written + quarterly exams + final
2	6	=	The haemoto Poiesis in featus, children and adult.	=	=
3	6	=	- The normal red blood cells, importance, Structure, erythropoiesis and Function.	=	=
4	6	=	Polycythemia ,causes ,Clinical Signs and Laboratory diagnosis.	=	=
5	6	=	Study the red cell morphology in health and disease. Abnormality of R.B.C in size.	=	=
6	6	=	Abnormality of R.B.C in shape.	=	=
7	6	=	Abnormality of R.B.C in colour.	=	=
8	6	=	The normal Hb. Of the blood, contain and importance.	=	=
9	6	=	Study the types of normal Hb. Types .	=	=
10	6	=	Common Hb. Variant .	=	=
11	6	=	Anemia. definition, classification and types .	=	=
12	6	=	Anemia. Causes .clinical signs and laboratory Finding.	=	=
13	6	=	Megaloblastic anemia and Pernicious anemia.	=	=
14	6	=	Aphastic anemia and hemolytic anemia.	=	=
15	6	=	Sickle Cell an. And acquired and autoimmune hemolytic anemia.	=	=
16	6	=	Haemostasis, definition and types .The role of blood Vessels and Platelet in Haemostasis.	=	=
17	6	=	Coagulation factors, name and figures.	=	=
18	6	=	Coagulative Processes.	=	=
19	6		Haemostasis disorder types.	=	=

		=	Haemostasis due to blood vessels disorder.		
20	6	=	Haemostasis due to blood platelet disorder.	=	=
21	6	=	Haemostasis due to Coagulative disorder.	=	=
22	6	=	The White blood Cells, types.	=	=
23	6	=	The maturation of W.B.C.	=	=
24	6	=	The function of W.B.C.	=	=
25	6	=	Leukocytosis	=	=
26	6	=	Leukopenia	=	=
27	6	=	Leukemia ,definition and classification.	=	=
28	6	=	Chronic and acute myeloid . L.	=	=
29	6	=	Chronic and acute myeloid . L.	=	=
30	6	=	Chronic and acute Monocytic .L.	=	=

12. Infrastructure

Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	 1- Book Introduction to Medical Laboratory By F. J. Baker and R. E. Silverton Butter Worths. 2- Binding Practical Practical Medical Technology By M. D. A. 1986
Special requirements (include for example workshops, periodicals, IT software, websites)	website
Community-based facilities (include for example, guest Lectures, internship, field studies)	

13. Admissions

Use and the introduction of modern equipment to work to develop the curriculum