



## Ph.D degree of Medical Biochemistry and Molecular Biology

### Blueprint of (Human Genetics) course (PhD) Course Code: (BIC 604 GE, BIC 609 GE)

The total marks of this course are 100, divided as:

- Workplace-based assessment (20 marks) - Written exam (80 marks), distributed as follows:

Course content	Teaching hours	Relative weight to the total marks	Total Marks	MCQ Marks	No of exam Q (MCQ)	Short essay questions Marks	No of exam Q (short essay questions)
Introduction of genetics	1	3%	3	2		1	
Chromosomes	1	3%	3	2		1	
Mendelian' law of inheritance	1	3%	3	2		1	
Molecular genetics	2	6.5%	5	3		2	
Modes of inheritance	6	20%	16	11		5	
Genes & biochemistry	4	14%	11	8		3	
Genetics & Hemoglobin disorders	2	6.5%	5	3		2	
Genes & cancer	7	23.5%	18	12		6	
Genetic counseling	2	6.5%	5	3		2	
Prenatal Diagnosis & treatment of genetic disease	4	14%	11	8		3	
<b>Total</b>	<b>30</b>	<b>100%</b>	<b>80</b>	<b>54</b>		<b>26</b>	

**Head of Biochemistry & Molecular Biology Department**  
**Prof. Fagr Bazeed**