



## Master degree of Medical Biochemistry and Molecular Biology

### Blueprint of Molecular Biology Course (Master)

**Course Code: (BIC 504 MB) / (BIC 509 MB)**

**The total marks of this course are 200, divided as:**

- Workplace-based assessment (40 marks)
- Written exam (160 marks), distributed as follows:

Course content	Teaching hours (90)	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)
Structure of nucleic acids	6	6.67%	10	7		3	
DNA organization, packing and steps of DNA replication	24	26.67%	42	30		12	
Outline types of DNA mutation and mechanisms of their repair	15	16.67%	27	19		8	
RNA synthesis, processing, and modification	15	16.67%	27	19		8	
Characteristics of genetic code and protein synthesis	15	16.67%	27	19		8	
Regulation of gene expression at different levels	15	16.67%	27	19		8	
<b>Total theoretical hours</b>	<b>90</b>	<b>100%</b>	<b>160</b>	<b>113</b>		<b>47</b>	

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