



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

### Blueprint of (Advanced applied practical course related to Medical Biochemistry and Molecular Biology) course (Master) Course Code: (BIC504AP)

The total marks of this course are 500, divided as:

- Workplace-based assessment (100 marks)
- OSPE & oral stations (400 marks), distributed as follows:

Course content	Teaching hours	Relative weight to the total marks	Total Marks
Laboratory rules and safety	12	7.5%	30
Basic biochemistry principles and practice	23	14%	56
Semiautomated chemistry and hormonal analyzers: principles and application	11	6.5%	26
Immunochemistry techniques: ELISA: principles and application	25	15.5%	62
Laboratory quality control	10	6%	24
Semi-automated chemistry analyzers for measuring serum level of different	34	20.5%	82
Urine analysis	4	2.5%	10
Basic molecular biology techniques	46	27.5%	110
<b>Total</b>	<b>165</b>	<b>100%</b>	<b>400</b>

Head of Biochemistry & Molecular Biology Department  
Prof. Fagr Bazeed