

# Molecular Biology

For medical students, 1 credit hour

**Lecturer:** - Dr. Said Ismail

**Text Book** - Mark's Basic Medical Biochemistry, Smith, Marks and Lieberman, Lippincott, Williams and Wilkins, 2009.

<u>No.</u>	<u>Lecture</u>	<u>Source</u>
<b><u>Basic Molecular Biology:</u></b>		
1	Review: Replication, Transcription, Translation	Marks, Ch12-15
2	Review: Replication, Transcription, Translation	Marks, Ch12-15
3	Review: Replication, Transcription, Translation	Marks, Ch12-15
4.	Review: Replication, Transcription, Translation	Marks, Ch12-15
5	Regulation of Gene Expression	Marks, Ch16
6	Regulation of Gene Expression	Marks, Ch16
7	Regulation of Gene Expression	Marks, Ch16
<b><u>Molecular Biology of Cancer:</u></b>		
8	Oncogenes, tumour suppressor & cancer	Marks, Ch18
9	Oncogenes, tumour suppressor & cancer	Marks, Ch18
10	Oncogenes, tumour suppressor & cancer	Marks, Ch18
<b><u>Basic Recombinant DNA Techniques:</u></b>		
11	Methods to obtain, identify& amplify DNA	Marks, Ch17
12	Methods to obtain, identify& amplify DNA	Marks, Ch17
13	Microarrays & Proteomics	Ch 17 + Handouts
<b><u>New Topics:</u></b>		
14	Gene Therapy	Handouts