

UNIVERSITY OF NAIROBI, DEPARTMENT OF BIOCHEMISTRY
SECOND YEAR MBChB, BDS & B. PHARM, LECTURE SCHEDULE (2017/2018)

S E C O N D S E M E S T E R	WEEK 1 02/07/2018 to 06/07/2018	Molecular biology: DNA structure, replication in eukaryotes and prokaryotes.	Dr. Mobegi
	WEEK 2 09/07/2018 to 13/07/2018	Transcription, Translation/genetic code, Pre and Post-translational modifications. Mechanism of action of some antibiotics	Dr. Mobegi
	WEEK 3 16/07/2018 to 20/07/2018	Structural and transcriptional regulation of gene expression in prokaryotes and eukaryotes	Dr. Kamau
	WEEK 4 23/07/2018 to 27/07/2018	Protein targeting in the cell. Diseases and syndromes associated with the two processes	Dr. Kamau
	WEEK 5 30/07/2018 to 03/08/2018	DNA mutations, Mutagens and their effect on DNA and suppressor mutations. DNA repair and DNA recombination. Disease/syndromes associated with DNA repair	Dr. Kamau
	WEEK 6 06/08/2018 to 10/08/2018	Polymerase chain reaction and its application in modern medicine.	Dr. Kamau
	WEEK 7 13/08/2018 to 17/08/2018	CAT 4 (Tuesday- 2-4PM) Molecular genetics: Organization of the human genome, structure of the human chromosomes and karyotypes	Prof. Nguu
	WEEK 8 20/08/2018 to 24/08/2018	Satellite DNA and DNA families. C value of a genome Cot $\frac{1}{2}$ values of DNA and its relation to repetition.	Prof. Nguu
	WEEK 9 27/08/2018 to 31/08/2018	Gene structure and organization and gene family	Prof. Nguu
	WEEK 10 03/09/2018 to 07/09/2018	Nuclear and mitochondrial chromosomes	Prof. Nguu
	WEEK 11 10/09/2018 to 14/09/2018	Karyotypes. Mendelian laws of inheritance.	Prof. Nguu
	WEEK 12 17/09/2018 to 21/09/2018	Molecular virology: Classification and properties of viruses, replication and life cycle of viruses	Prof. Bulimo
	WEEK 13 24/09/2018 to 28/09/2018	Interferons, Oncogenes and oncogenic viruses. Viroid's and prions	Prof. Bulimo
	WEEK 14 01/10/2018 to 05/10/2018	Introduction to basic medical bioinformatics	Dr. Mobegi
	WEEK 15 08/10/2018 to 12/10/2018	Application of Bioinformatics in disease detection, drug design and Modern medicine	Dr. Mobegi

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	WEEK 16 15/10/2018 to 19/10/2018	CAT 5 (Tuesday 2-4PM)	Profs. Nguu, Bulimo & Mobegi
	WEEK 17 & 18 22/10/2018 to 02/11/2018	END OF YEAR EXAMINATION	ALL

Lecture hours

Tuesdays: 2.00 - 5.00 pm

Thursdays: 2.00 - 5.00 pm

Practicals

Group B: Thursdays - 8.00-11.00am

Group A: Fridays - 10.00am - 1.00p

Venue: Millennium Hall 2

Venue: Biochemistry Lab – B12

Coordinator: Dr. J. Kamau, Office No. B61 - Biochemistry Department, 2nd Floor

Prepared by _____ Date 2/07/2018
Dr. J. Kamau (Coordinator)

Approved by _____ Date _____
Chairman, Department of Biochemistry