

BMB 516 - Metabolic Biochemistry: Nutrients and Products

Updated 05/22/20 by R. Ritchie

Week 1

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
Tu	6/16	10 am	1	Hemoglobin and gas transport	Faner	Zoom Webinar
Tu	6/16	11	2	Blood pH regulation	Faner	Zoom Webinar
Th	6/18	11	3	Biomarkers in blood and urine	Faner	Zoom Webinar

Week 2

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
Tu	6/23	10-12	4	Tips for problem solving [Quiz 1]	Faner	Zoom Webinar
Th	6/25	10	5	Overview of metabolism; carbohydrate digestion and absorption	Wilkins	Zoom Webinar
Th	6/25	11	6	Oxidation states	Wilkins	Zoom Webinar

Week 3

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
Th	7/02	10	7	TCA cycle	Wilkins	Zoom Webinar
Th	7/02	11	8	Electron Transport Chain (ETC)	Wilkins	Zoom Webinar

Week 4

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
Tu	7/07	10	9	Pentose Phosphate Pathway (PPP)	Wilkins	Zoom Webinar
Tu	7/07	11	10	Storage of carbohydrates [Quiz 2]	Wilkins	Zoom Webinar
We	7/08	10	11	Water soluble vitamins	He	Zoom Webinar

Week 5

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
WE	7/15	10:00-11:30	UNIT EXAM 4	SESSIONS 1-11 + REQUIRED READINGS		

Week 6

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
Th	7/23	10	12	Fatty Acid Oxidation; Ketone bodies; Fatty acid synthesis	Wilkins	Zoom Webinar
Th	7/23	11	13	Complex lipid synthesis and breakdown	Wilkins	Zoom Webinar

Week 7

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
Th	7/30	11	14	Hormones and hormone action: insulin and glucagon [Quiz 3]	Wilkins	Zoom Webinar

Week 8

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
Tu	8/04	10-12	15	Activity --- Low energy	Site Faculty	Zoom Meeting

Week 9

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
Tu	8/11	10-12	16	Activity --- What should be in the differential?	Wilkins	Zoom Webinar
Th	8/13	10-12	17	Activity --- Abnormalities in hormonal regulation	Site Faculty	Zoom Meeting

Week 10

Day	Date	Time	Session	Lecture Topic/Title	Lecturer	Origination
<u>TH</u>	<u>8/20</u>	<u>10:00-11:30</u>	<u>UNIT EXAM 10</u>	<u>SESSIONS 1-17 + REQUIRED READINGS</u>		