Wk	Tuesday	Thursday	Friday
	(1) Fundamental cell biology	Organic bonding review:	(7) Intro. to monosaccharides:
1	(2) Lab Lecture: Review of	strengths, shapes, FC & ON.	classes, structures & the key
	IMF's & acid-base equilibrium	Common Fctl. Groups.	role of glucose in biology.
	(7) Stereoisomer review, MS	(7) Other monosaccharide	(7) Dissaccharides &
2	structures & the ring closing	reactions & disaccharide	polysaccharides: structures &
	reaction (mutarotation)	structures.	properties.
	(4) Amino acid structures &	(4) Wrap up amino acids	(4/5) Wrap-up Protein
3	properties.	Protein overview: part 1	Overview & the 4-levels of
	1 1	1	protein structure.
	(5) The 4-levels of protein	(5) Protein denaturants and	(5) Wrap-up of protein topics
4	structure. α – helix vs. β -sheet	separation strategies.	& start lipid overview (6).
-	secondary structures.		
5	(6) Overview of lipid	(6) Complex mixtures:	(6) Membrane structure (fluid
Ex 1	classification & properties of	vegetable oils & membrane	mosaic model) & composition
	fatty acids.	lipids.	
	(6) Membrane transporter	(6) Wrap up membrane	(8) Nucleotides: composition
6	classification & energetics	transport.	& cellular reactions
		u unoport	(14) Dinucleotides & CoASH
_	(3) Review: 1 st & 2 nd laws of	(3) The role of ATP in the	(3) The role of ATP in the
7	Thermodynamics & calculating	phosphate cycle of	phosphate cycle of
	$\Delta G'$ of a cellular reaction	bioenergetics	bioenergetics
	(3) Wrap up the phosphate	(10) Review: chemical kinetics	(10) Properties of enzymes vs
8	cycle & bioenergetics	& rate enhancements	industrial catalysts
Ex 2	cycle & blochergenes.	ce fute enhancements.	industrial catalysts
Spring break Spring break Spring break Spring break			
Spr	(10) The transition state theory	(10) Continuation of koy	(10) Enzyma inhibition and
0	(10) The transition state theory	(10) Continuation of Key	(10) Elizyme minorition and
9	T pH [E] & [S] op E kinetion	kineties	legulation.
	(10) Classification and	(14) An everyion of the	(15) Chuochusis: The priming
10	(10) Classification and	(14) All overview of the	(13) Orycorysis. The prinning
10	reactions	central metabolic pathways.	pliase (steps 1-3).
11	(15) Chaolusis: The pay off	(16) Wron up DDHEC & start	(16) Wron un Kroha avala &
	(13) Glycolysis. The pay-oli	(10) whap up PDHEC & start	(10) whap up Klebs cycle &
Lab	phase (steps 1-0) (16) The DDHEC	the Kieb's cycle reactions	summary of central reactions.
quiz	(10) flic (Dille) (17) An overview of	(17) The electron transport	(17) The Eo/E1 ATPass and
12	chamicsmotic coupling (ATD	(17) The electron transport	(17) The PO/PI ATFase and ovidative phosphagulation
Ex 3	biosymthesis)		(Ox Phos)
	(17) Chemiosmetic counline:	(17) Wron up chamicsmatic	(0x.F105).
13	ATD violds & drug classification	(17) what up chemiosmotic	duconcogenesis
	ATF yields & drug classification	(15) Formentation	giuconeogenesis.
	(10) Phosphogluconate nother	(10) Regiproval control of	(20) Lipid utilization:
14	& Gluggen metabolism	futile evolution & evolution of fat	(20) Lipit utilization.
14	a Grycogen metadonsm.	utilization	Shuttle & B avidation
	(20) ATD yield from fatty aside	(12) Katana hadias and	Wron up Linid Matchalian
	(20) ATP yield from fally acids	(12) Ketone bodies and	Quastions & Answers
15	(suillillaly).	KEIOSIS.	Questions & Answers.
	<i>Lav lecture</i> (12): Serum lipo-		
Energy 4. Charactery 17, 10, 00, 12			
Exam 4: Chapters 17, 19, 20, 12			
Thursday May $18^{\circ\circ} 2017$ (2:45 to 4:45 PM, A107).			

C365 Spring 2017 tentative lecture schedule (& related chapters)