BC368

BC368 - Biochemistry of the Cell II

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Weekly class assignments

Laboratory Section A

Laboratory Section B

BC368 syllabus

BC368 message board

Examinations

Kevin's Calendar

BC368 Learning Goals

1. To apply understanding of the fundamental chemistry of biomolecules to the intricate molecular phenomena of living systems.
2. To understand how chemical reactivity, thermodynamics, and kinetics are responsible for life.
3. To sharpen problem-solving skills of both a qualitative and quantitative nature and to solve problems that involve the integration and synthesis of new knowledge.
4. To enhance written and oral communication skills and build confidence in oral expression in a group setting.

Approximate Lecture and Discussion Schedule

Week of:	Probable topic:	Textbook chapter(s):	Discussion materials:
2/7	Membranes & Transport	11	Problem set #1
2/12	Biosignaling	12	Problem set #2
2/19	Bioenergetics	13	Problem set #3
2/26	Glycolysis	14	Problem set #4
3/5	Citric Acid Cycle	16	Problem set #5
3/12	Electron Transport Chain	19	(no materials for this week)
3/19	Oxidative Phosphorylation	19	Problem set #6
4/2	Gluconeogenesis & Glycogen Metabolism	14, 15	Problem set #7
4/9	Fatty Acid Catabolism	17	Discussion Materials

4/16	Fatty Acid Biosynthesis	21	(no materials for this week)
4/23	Nitrogen Metabolism	18, 22	
4/30	Integration of Metabolism	23	
5/7	Photosynthesis	20	

Homework #11

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