CHM/BCM 454 Biochemistry II Winter 2009

SEB 185; 8:00 – 9:47 am, TR

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Office Hours: 10 to 11 am, TR

Tentative schedule

Class meets Tuesdays and Thursdays, 8-9:47 am.
No class on 2/2 and 2/26 (winter recess).

Prerequisite: CHM 453 (or equivalent from another department or university)

Topics covered:

Glycolysis
Gluconeogenesis
Pentose phosphate pathway
Glycogenesis
Glycogenolysis
Acetyl-CoA
Citric acid cycle
Glyoxylate cycle
Carnitine cycle
Oxidation of fatty acids
Ketone bodies
Urea cycle
Mitochondria
Electron transport
Photosynthesis
Carbohydrate metabolism in plants
Biosynthesis of fats
Biosynthesis of amino acids
Hormonal control of metabolism
Examinations:

There will be five tests during the semester, each covering specific topics. Test dates will be announced in class. Tests will be conducted between 8 and 8:40 am, and will be followed by regular lecture.

Each test will have 24 multiple choice questions (24 points), and 4 questions (12 points) requiring brief, 4-5 sentence, written answers. Written answers must be legible, and in proper, complete sentences, and will be evaluated for science, spelling, and biochemical language.

The lowest score of the five tests will be dropped.

The comprehensive final exam will be for 60 points. This will be a national test and will have all multiple choice questions covering topics from both Biochemistry I and II.

No makeup test or final exam for any reason.

Scantron sheets and calculator will be required.

Grading: No curving.

Material covered in the exams: What is talked about in the class and what is in the textbook.

Cell phones: Should not ring in class and should not be used in class.

Laptops: Must not be turned on in class.

Late arrival: Students should be in class on time. Habitual late arrival may cost points. Students arriving late for a test will not be given more time.