BIOC 382.01: Elementary Biochemistry

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Text: Voet, Voet & Pratt, Fundamentals of Biochemistry

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January 25-February 1 Photosynthesis (Ch. 18)
February 3 & 8 Lipid metabolism (Ch. 19)
February 10 & 15 Amino acid metabolism (Ch. 20)
February 17-24 Regulation of metabolism (Ch. 21)

February 24 Exam 1 (material from Jan. 25 to Feb. 24) 7:00-9:00 pm SC 131

February 29-March 7 Nucleotide metabolism (Ch. 22)
March 9-16 Nucleic acid structure (Ch. 23)
March 20-24 Spring vacation
March 28-April 4 DNA replication, repair & recombination (Ch. 24)

April 5 Exam 2 (material from Feb. 29 to April 4) 7:00-9:00 pm SC 131

April 6-13 Transcription and RNA processing (Ch. 25)
April 18-25 Translation (Ch. 26)
April 27-May 4 Regulation of gene expression (Ch. 27)

May 4 Exam 3 (material from April 6 to May 4) 7:00-9:00 pm SC 131

May 8 Final Exam (cumulative) 8:00–10:00 am UH 210

All exams will be 100 points each.

Expected course outcomes are to understand the fundamentals of biochemistry: how life functions at the smallest level; to think critically and solve scientific problems; and to appreciate the role chemical processes play in modern biology.