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Spring 2-1-2000

### BIOC 382.01: Elementary Biochemistry

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ELEMENTARY BIOCHEMISTRY (Bioc 382)

Spring 2000

T,H 10:10 am

UH 210

Text: Voet, Voet & Pratt, Fundamentals of Biochemistry

Scott Samuels, Office: SC 207, Telephone: 243-6145

Office hours: M,W 12:10 pm to 1:00 pm; T 11:10 am to 12:00 pm

Steve Lodmell, Office: SC 204, Telephone: 243-6393

Office hours: T,W, H 12:10 pm to 1:00 pm

Walt Hill, Office: SC 202, Telephone: 243-5582

Office hours: M,W 1:10 pm to 2:00 pm; T, H 11:10 am to 12:00 pm

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.