Instructor	Room No.	Telephone No.	E-Mail	Office Hours
Stephen Levene	FN 3.114	UTD-2503	sdlevene@utdallas.edu	TR 11:00-12:00
Don Gray	FO 3.726	UTD-2513	dongray@utdallas.edu	TR 11:00-12:00

Workshop (BIOL3161, Sect 002, 003, 005, 006, or 008) is required for both BIOL and CHEM students.

Text: Biochemistry, 3nd edition, by Garrett and Grisham (ISBN 0-534-49033-6), published by Brooks/Cole.

Jemiolo & Theg's 3nd edition Student Solutions Manual to accompany Biochemistry by Garrett and Grisham (ISBN 0-534-49035-2), Published by Brooks/Cole, will be used in the Workshops, BIO 3161.

Grading: Four Exams × 20% each = 80% of grade

Workshop Problem Sets = 20% of grade. There will be six problem sets. Problem sets are due *at the beginning* of the class on the due date. The lowest problem set grade received during the semester will be dropped.*

***Grades**- At the end of the semester your scores on the four exams and the problem sets will be averaged. As a result you will have a final numerical grade between 0 to 100. Your final letter grade will be no worse than that based on the following scale:

A- to A+ 86-100

B- to B+ 75-85

C- to C+ 65-74

D- to D+ 55-64

F Below 55

If your final mean numerical score is fractional it will be rounded off in the following manner: 0.5 - 0.9 will be rounded up to the next highest whole number. In other words 85.5 would be rounded to 86 and the student would receive an A grade, but 85.4 would be rounded to 85 and the student would receive a B grade.

You will receive the same letter grade in both BIOL/CHEM 3361 and BIOL 3161

Do not miss the exams as make-up exams will only be given in the case of a documented emergency

Academic Dishonesty Policy: Students are required to abide by UT-Dallas policies concerning academic integrity (for details, see http://www.utdallas.edu/student/slife/scholastic.html). Failure to comply with these terms will be subject to appropriate disciplinary action

Students with Disabilities: If you have a disability that requires accommodation, you must notify the instructor and file a request through Disability Services (SU 1.610, x2098) on or before the first day of class. By doing so, you can be assured of full cooperation in making appropriate arrangements.

Class schedule fall, 2005:

Tues	8/23	Water and Acid/Base Properties	Chap. 2	Levene
Thurs	8/25	Thermodynamics of Biological Systems	Chap. 3	Levene
Tues	8/30	Amino Acids	Chap. 4	Gray
Thurs	9/1	Proteins: Primary Structure and Function	Chap. 5	Gray
Fri	9/2	LAST DAY TO DROP WITHOUT A "W"		
Tues	9/6	Protein Secondary, Tertiary, and Quaternary Structure	Chap. 6	Gray
Thurs	9/8	Protein Secondary, Tertiary, and Quaternary Structure (cont)	Chap. 6 (cont.)	Gray
Tues	9/13	EXAM #1 Chapters 1-5, 6 through 6.3		Levene/Gray
Thurs	9/15	Nature of Protein Sequences; Protein Purification and Characterization	Chap. 5 pp. 131-136 and appendix	Levene
Tues	9/20	Enzyme Kinetics	Chap. 13	Levene
Thurs	9/22	Enzyme Kinetics (cont)	Chap. 13 (cont.)	Levene
Tues	9/27	Enzyme Mechanisms	Chap. 14	Levene
Thurs	9/29	Enzyme Regulation	Chap. 15	Levene
Tues	10/4	Enzyme Regulation - Hemoglobin and Myoglobin	Chap. 15 (cont.)	Levene
Thurs	10/6	Metabolism Overview	Chap. 17	Levene
Tues	10/11	EXAM #2 - Chapters 5 (appendix and pp. 131-136), 13, 14, 15		Levene
Thurs	10/13	Metabolism - Vitamins	Chap. 17 (cont.)	Levene
Tues	10/18	Carbohydrates	Chap. 7	Levene
Thurs	10/20	Glycolysis - first phase LAST DAY TO DROP WITH W/P or W/F	Chap. 18	Gray
Tues	10/25	Glycolysis - second phase	Chap. 18 (cont)	Gray
Thurs	10/27	Gluconeogenesis	Chap 22	Gray
Tues	11/1	EXAM #3 - Chapters 7, 17, 18, 22 (part 1)		Levene/Gray
Thurs	11/3	Control of Glycogen Metabolism	Chap. 22 (cont)	Gray
Tues	11/8	The Tricarboxylic Acid Cycle - Regulation	Chap. 19	Gray
Thurs	11/10	The Tricarboxylic Acid Cycle - Regulation	Chap. 19 (cont)	Gray
Tues	11/15	Electron Transport	Chap. 20	Gray
Thurs	11/17	Oxidative Phosphorylation	Chap. 20 (cont)	Gray
Tues	11/22	REVIEW FOR FINAL EXAM		Gray

Thurs	11/24	THANKSGIVING HOLIDAY - NO CLASS	
Thurs	12/1	FINAL EXAM #4 - Chapters 19, 20, 22 (part 2) **NOTE: EXAM IS AT 8:00 AM!**	Gray

Workshop Schedule

BIOCHEMISTRY WORKSHOP I - Section meeting times

Sec 002 R 8:30-9:20 CB 1.116
Sec 003 R 8:30-9:20 scheduled for FO 3.222 but meet in CB 1.116
Sec 005 W 3:00-3:50 CB 1.116
Sec 006 W 3:00-3:50 scheduled for MP 2.214 but meet in CB 1.116

Sec 008 F 1:00-1:50 CB 1.122

		Workshop Subject
Thurs&Fri	8/18&8/19	(NO WORKSHOPS)
Wed&Thurs&Fri	8/24&8/25&8/26	Acid/Base Calculations, HH equation
Wed&Thurs&Fri	8/31&9/1&9/2	Thermodynamics
Wed&Thurs&Fri	9/7&9/8&9/9	Peptide sequencing and protein structure
Wed&Thurs&Fri	9/14&9/15&9/16	Protein structure
Wed&Thurs&Fri	9/21&9/22/9/23	Enzyme kinetics
Wed&Thurs&Fri	9/28&9/29&9/30	Enzyme mechanisms and regulation
Wed&Thurs&Fri	10/5&10/6&10/7	(REVIEW)
Wed&Thurs&Fri	10/12&10/13&10/14	Metabolism overview and vitamins
Wed&Thurs&Fri	10/19&10/20&10/21	Carbohydrates and glycolysis
Wed&Thurs&Fri	10/26&10/27&10/28	Glycolysis and gluconeogenesis
Wed&Thurs&Fri	11/2&11/3&11/4	Control of glycogen metabolism
Wed&Thurs&Fri	11/9&11/10&11/11	TCA cycle
Wed&Thurs&Fri	11/16&11/17&11/18	Electron transport and oxidative phosphorylation
Wed&Thurs&Fri	11/24&11/25&11/26	NO WORKSHOP