

BIOCHEMISTRY 110C

Spring 2004

<u>Faculty:</u>	<u>Contact:</u>	<u>Office Hours:</u>
Dr. Stephen Spindler (Instructor in Charge)	5478 Boyce, ext. 3597 spindler@mail.ucr.edu	Mon. 11:00-12:00
Dr. Ernest Martinez	4434 Boyce, ext. 2031 ernest.martinez@ucr.edu	Mon. 11:00-12:00
Dr. Achilles Dugaiczky	4404 Boyce, ext. 3614 achilles.dugaiczky@ucr.edu	Mon. 11:00-12:00

Teaching Assistants (1415 Boyce, ext. 4192):

Francesco Faiola	ffaiola@citrus.ucr.edu	Mon. 12:00-1:00 & Fri. 11:00-12:00
Kyung-Youp Kim	kyoupkim@citrus.ucr.edu	Mon. 9:10-10:00 & Fri. 9:00-10:00

Lectures: MWF, 10:10-11:00, Watkins 1000

Discussions:

Section 021:	09:10 AM–10:00 AM	BOYHL 1415
Section 022:	10:10 AM–11:00 AM	BOYHL 1415
Section 023:	11:10 AM-12:00 PM	SPTHW 1307 (By permission only; see below)
Section 024	03:40 PM-04:30 PM	STAT 2674
Section 025	12:40 PM-01:30 PM	SPR 2356
Section 026	03:40 PM-04:30 PM	HMNSS 1401 (By permission only; see below)
Section 027	04:40 PM-05:30 PM	HMNSS 1502 (By permission only; see below)
Section 028	05:40 PM-06:30 PM	HMNSS 1502 (By permission only; see below)

To reschedule your discussion section you can come to 1435 Boyce Hall to speak with Ms Vigil, the Biochemistry Department Undergraduate Student Affairs Officer, or send an email to linda.vigil@ucr.edu. Rescheduling will not be done over the phone. **FIRST-COME-FIRST-SERVED!**

Required Text: Lodish et al., Molecular Cell Biology (Fifth Edition)

References on Reserve in the Science Library:

Alberts et al., Molecular Biology of the Cell (Fifth Edition)
Lewin, Genes V
Voet & Voet, Biochemistry (Upgrade and Third Editions)

<u>Grading:</u>	Midterm Examinations: 100 points each = 200
	Cumulative Final Examination <u>200</u>
	Total Points <u>400</u>

See the Syllabus for details of the dates and lectures covered in each of the two midterm examinations. Each midterm and the final will cover the material from the preceding 9 lectures. The final examination will be cumulative. Approximately 50% of the material will be from lectures 1-18 and 50% from lectures 19-27.

The Midterm Examinations will be given in Watkins 1000 during the regularly scheduled lecture period (one hour).

The Final Examination will be given in Watkins 1000, Monday, June 7, 11:30-2:30 PM.

An unexcused absence from either midterm or the final examination will result in a grade of zero for that examination. In the unusual event of an excused absence, a written or oral make-up examination will be given.

After grades for the Midterm Examinations have been posted, exams will be available for review during TA Office hours for a period of two weeks. Re-grading appeals should be made in writing within this two week period to the TA who graded the question. Thereafter, the exams will be destroyed.

Cheating: Any incident of cheating on either of the Midterm Examinations or the Final Examination will result in failure of the course and will be officially reported to the Student Discipline Coordinator.

Other Information: Students should check the Web Page for updates and class information: <http://ilearn.ucr.edu>. Click on Biochemistry 110C.

LEC. #	DAY	DATE	INSTRUCTOR	TOPIC
1	Mon	March 29	Spindler	DNA Structure and DNA Replication 1
2	Wed	31	Spindler	DNA Replication 2
3	Fri	April 2	Spindler	DNA Replication 3
4	Mon	5	Spindler	RNA Structure/ Bacterial RNA Synthesis
5	Wed	7	Spindler	Regulation of Bacterial Gene Expression 1
6	Fri	9	Spindler	Regulation of Bacterial Gene Expression 2
7	Mon	12	Spindler	Translation 1
8	Wed	14	Spindler	Translation 2
9	Fri	16	Spindler	Translation 3
	Mon	April 19	MIDTERM #1	LECTURES 1-9
10	Wed	21	Martinez	Eukaryotic Chromatin Structure 1
11	Fri	23	Martinez	Eukaryotic Chromatin Structure 2
12	Mon	26	Martinez	Eukaryotic Gene Regulation 1
13	Wed	28	Martinez	Eukaryotic Gene Regulation 2
14	Fri	30	Martinez	Eukaryotic Gene Regulation 3
15	Mon	May 3	Martinez	Eukaryotic RNA Processing 1
16	Wed	5	Martinez	Eukaryotic RNA Processing 2
17	Fri	7	Martinez	Signal Transduction 1
18	Mon	10	Martinez	Signal Transduction 2
	Wed	May 12	MIDTERM #2	Lectures 10-18
19	Fri	14	Dugaiczkyk	Mutation and Repair
20	Mon	17	Dugaiczkyk	The Eukaryotic Genome
21	Wed	19	Dugaiczkyk	Homologous Recombination
22	Fri	21	Dugaiczkyk	Site-Specific Recombination/Gene Rearrangement
	Mon	24	Dugaiczkyk	Retroviruses and Oncogenesis
23	Wed	26	Dugaiczkyk	DNA Polymorphism, Fingerprinting, Diagnostics
24	Fri	28	Dugaiczkyk	Molecular Basis of Genetic Defects
25	Mon	31	HOLIDAY	
26	Wed	June 2	Dugaiczkyk	Expanding World of Our Genome
27	Fri	4	Dugaiczkyk	A Radical Approach to Cancer