

BIO 3302: EUKARYOTIC MOLECULAR & CELL BIOLOGY

The University of Texas at Dallas

Fall, 2013

TEXT: Lodish et al., *Molecular Cell Biology*, Seventh Edition, 2013 (ISBN 13: 978-1-4292-3413-9)

Or: Sixth Edition, 2008 (ISBN 0-7167-7601-4)

CLASS HOURS: Tuesday and Thursday, 10:00 -11:15 am, **FN 2.102 (Polykarp Kush Auditorium)**

Dr. Uma Srikanth: Office: FN3.114

Hours: Wednesday 10:30 – 11:30 AM

Wednesday 2:00 – 3:00 PM

Phone: 972-883-6570

Email: ukrish@utdallas.edu

Dr. Jing Pan: details of syllabus and office hours TBA

Course Materials

Dr. Srikanth's course material and grades will be posted on **eLearning**.

TAs for workshops (BIO 3102)¹:

Section #	Time/Location	TA Name
3102-005	Fri. 1:00-1:50 pm/FO3.222	Rakib/Manley
3102-006	Fri. 1:00-1:50pm/FN 2.106	Erick Meermans
3102-007	Mon. 1:00-1:50 pm/FN 2.106	Meisam Mahmoudi
3102-008	Mon. 1:00-1:50 pm/FO 2.702	Meisam Mahmoudi
3102-009	Wed. 1:00-1:50 pm/FO 3.616	Bharadwaj/Price

All students enrolled in BIO 3302 must also enroll in a workshop (**BIO 3102**). The grade for BIO 3102 will be determined by a combination of attendance and homework grades, and it will be worth **10%** of the overall grade given for BIO 3302. The same letter grade will be assigned for both the lecture and workshop components of the course. Poor performance in the workshop can drop your grade in the lecture part of the course (BIO 3302) from an A to a B, or from a B to a C, etc. The same grade will be assigned for both BIO 3301 and BIO 3302. **If you drop the course, you must drop both 3302 and 3102.**

WORKSHOPS BEGIN THE WEEK OF SEPTEMBER 3, 2013.

There will be four exams given in BIO 3302. The exam questions will be a combination of multiple-choice plus brief essay or short-answer questions. Each of the four exams will be worth 22.5% of the final grade, and each will cover all of the material presented in class since the previous exam (lectures, handouts, and assigned reading), for a total of **90%**. The remaining **10%** of your grade is from the workshops- homeworks, etc. Scoring on the exams is done by the graduate Teaching Assistants, but the Instructor determines in advance what key points must be included in each answer to get full credit. The Instructor checks your scores after the TA has graded the exams, and assigns letter grades.

If you have questions about the grading or your performance in an exam, please see the instructors as soon as possible. Although letter grades may be provided after each exam, these should be treated only as a reflection of your relative performance when compared to the rest of the class. **The final course grade will be based not on these individual letter grades, but on the total of the numeric scores of all four exams and the homework.**

See reverse side for schedule of lectures

¹ All students enrolled in BIO 3302 must also enroll in a workshop (BIO 3102). If for any reason you decide to drop the BIO 3302, you must also drop BIO 3102!

SCHEDULE OF LECTURES

Bio 3302, Fall 2013

Dates	Session	Instructor	Topics	Reading
Tue, Aug 27	1	Srikanth	Introduction & Culturing and Visualizing Cells	Chapter 9
Thur, Aug 29	2	Srikanth	Visualizing Cells, Cell Biology Techniques	Chapter 9
Tue, Sept 3	3	Srikanth	Visualizing Cells, Cell Biology Techniques	Chapter 9
Thur, Sept 5	4	Srikanth	Biomembrane Structure	Chapter 10
Tue, Sept 10	5	Srikanth	Biomembrane Structure	Chapter 10
Thur, Sept 12	6	Srikanth	Transport of Ions and Small Molecules	Chapter 11
Tue, Sept 17	7	Srikanth	Transport of Ions and Small Molecules	Chapter 11
Thur, Sept 19	8	Srikanth	EXAM 1 (Chapters 9, 10, 11)	
Tue, Sept 24	9	Srikanth	General Principles of Cell Signaling	Chapter 15
Thur, Sept 26	10	Srikanth	G protein coupled Signaling	Chapter 15
Tue, Oct 1, Thur, Oct 3	11,12	Srikanth	G protein coupled Signaling & Signaling pathways that control Gene Expression	Chapters 15 &16
Tue, Oct 8, Thur, Oct 10,	13,14,	Srikanth	Signaling pathways that control Gene Expression Integrating Cells into tissues	Chapter 16 Chapter 20
Tue. Oct 15	15	Srikanth	EXAM 2 (Chapters 19, 15, 16)	