

BIOL 484 - Eukaryotic Cell Biology Syllabus

Website: Blackboard

Instructor: Geraldine Grant PhD

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Office Hours: **By Appointment.**

EXAMS:	No	Date	Chapters covered	% grade
	1		Chapters 10 & 11	10%
	2		Chapters 17 & 18	20%
	3		Chapters 13 & 14	20%
	4		Chapters 15 & 16	20%
	FINAL		Chapters 20 & 23 this final exam will contain material <u>from ALL previous chapters</u> including the new material	30%

EXAM POLICY: THERE WILL BE **NO** MAKE UP EXAMS FOR EXAMS MISSED.

THE HONOR CODE IS STRICTLY ENFORCED IN THIS CLASS.

Specific Aim of Course:

On completion of this course the student will be knowledgeable in the integral workings of the Eukaryotic cell, its cellular structure and components, post-translational modifications, signaling and the cell cycle.

Text: Molecular Cell Biology 6th Ed.

Lodish, Berk, Kaiser, Krieger, Scott, Bretscher, Ploegh and Matsudaira

ISBN: 0-7167-7601-4

Book and course publisher Website: [Lodish 6th Ed](#)

Excellent resources

Lodish Web site: <http://www.macmillanhighered.com/launchpad/lodish7e>

Online Mendelian Inheritance in Man (OMIM)

<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=OMIM>

Animations:

NHC Movies and Animations:

<http://video.lonestar.edu/media/nhscience/bio1int.htm>

Sumanas:

<http://www.sumanasinc.com/webcontent/anisamples/majorsbiology/biology.html>

BIOL 484: Spring 2016

	Lecture Title	Chapter
	Introduction: Syllabus etc., Cell Organization and Biochemistry.	10
	Cell Organization and Biochemistry.	11
	Exam 1 Chapters 10 & 11 (10%) Cytoskeleton - Microfilament, Intermediary filaments.	17
	Cytoskeleton – Microtubules.	18
	Membrane Trafficking.	13
	Exam 2 Chapters 17 & 18 (20%) Membrane Trafficking.	13-14
	Membrane Trafficking.	14
	<i>SPRING BREAK NO CLASS</i>	15
	Cell signaling	15-16
	Exam 3 Chapters 13 & 14 (20%) Cell signaling.	15-16
	Cell Signaling.	16
	Cell cycle.	20
	Exam 4 Chapters 15 & 16 (20%) Cell cycle.	20
	Cell cycle.	20
	Cell cycle/Nerve cell	23
	FINAL EXAM Comprehensive final – ALL chapters including 20 & 23 (30%)	