

Schedule for Microbial Physiology

MCRO 424

Fall 2002

Week	Lecture Date	Lecture Topic	Readings in Brock's 10 th	Lab Date	Lab Topic	Due Dates
1	23-Sept	Introduction		24-Sept	Basics in microbiology	
	25-Sept	Growth	5.1-3, 6.1-13	26-Sept	Photometrics Prep	
2	30-Sept	Metabolism	5.4-10, 13-14	1-Oct	Photometrics Exp	
	2-Oct	Biosynthesis	5.15, 17.6-7, 16-17, 22-27	3-Oct	Photometrics Calcs & Growth Curve Prep	
3	7-Oct	Biosynthesis	4.5-9, 13-15, 7.1-15, 10.19	8-Oct	Growth Curve Exp	LabEx#1 Due 7-Oct
	9-Oct	Quiz I		10-Oct	Growth Curve Calcs & Assay Prep	ExCr#1 Due 10-Oct
4	14-Oct	Aerobic ETC	5.11-12, 12.3-8, 17.8-12	15-Oct	Nitrate Reductase Assay Exp UV	
	16-Oct	Anaerobic ETC	12.18, 13.4, 8, 17.13-18	17-Oct	Enzyme Assay Calcs & UV Prep	LabEx#2 Due 17-Oct
5	21-Oct	Photo ETC	12.2, 25-26, 32, 35, 17.1-5	22-Oct	Mutagenesis Exp	Lab Ex#3 Due 21-Oct
	23-Oct	Fermentations	12.19-22, 17.19-21	24-Oct	UV Mutagenesis Calcs & Project Prep	
6	28-Oct	Quiz II		29-Oct	Project Proposal Evaluations	ExCr#2 Due 29-Oct
	30-Oct	Regulation	8.1-12	31-Oct	MIDTERM	Lab Ex#4 Due 30-Oct
7	4-Nov	Transport	4.5-9	5-Nov	Group project experiments	
	6-Nov	HOLIDAY		7-Nov	Group project experiments	
8	11-Nov	Motion	4.10-12, 12.14, 17	12-Nov	Group project experiments	
	13-Nov	Interaction	19.1-3, 19-22, 20.6-9	14-Nov	Group project experiments	
9	18-Nov	Quiz III		19-Nov	Group project experiments	ExCr#3 Due 19-Nov
	20-Nov	Mutation	10.1-5	21-Nov	Group project experiments	
10	25-Nov	HOLIDAY		26-Nov	Group project experiments	
	27-Nov	Gene Transfer	10.6-18	28-Nov	HOLIDAY	
11	2-Dec	Selection/Evolution	11.1-.12	3-Dec	Group project experiments	
	4-Dec	Quiz IV		5-Dec	Presentations	ExCr#4 Due 5-Dec
Finals	11-Dec	FINAL	4 pm			