MCB 181L Friday SP23 025-030

Grades

Print

Final Calculated Grade

Weight Achieved

97.23 / 100

Grade

97.23 %

Grade Item	Points	Weight Achieved	Grade	Comments and Assessments
Attendance Grade		5 / 5	100 %	
Lab 1 Attendance Points	2 / 2 Dropped!	0 / 0 Dropped!	100 %	
Lab 2 Attendance Points	2 / 2 Dropped!	0 / 0 Dropped!	100 %	
Lab 3 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 4 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 5 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 6 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 7 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 8 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 9 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 10 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 11 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 12 Attendance Points	2 / 2	0.42 / 0.42	100 %	
Lab 13 Attendance	2 / 2	0.42 / 0.42	100 %	

Points			
Lab 14 Attendance Points	2 / 2	0.42 / 0.42	100 %
Pre-Lab Quizzes		20 / 20	100 %
Week 2 Pre-Lab Assignment	20 / 20	2.22 / 2.22	100 %
Week 3 Pre-Lab Assignment	20 / 20	2.22 / 2.22	100 %
Week 4 Pre-Lab Assignment	20 / 20	2.22 / 2.22	100 %
Lab 5 Pre-Lab Assignment	20 / 20	2.22 / 2.22	100 %
Week 7 Pre-Lab Assignment	20 / 20	2.22 / 2.22	100 %
Week 8 Pre-Lab Assignment	20 / 20	2.22 / 2.22	100 %
Lab 9 Pre-lab Assignment	20 / 20	2.22 / 2.22	100 %
Week 10 Pre-Lab Assignment	20 / 20	2.22 / 2.22	100 %
Week 12 Pre-Lab Assignment	18 / 20 Dropped!	0 / 0 Dropped!	90 %
Week 13 Pre-lab Assignment	10 / 10	2.22 / 2.22	100 %
In-Lab Assignments		40 / 40	100 %
Week 1 In-Lab Work	20 / 20	2.86 / 2.86	100 %
Week 2 In-Lab Work	20 / 20	2.86 / 2.86	100 %
Week 3 In-Lab Work	20 / 20	2.86 / 2.86	100 %
Week 4 In-Lab Work	20 / 20	2.86 / 2.86	100 %
Week 5 In-lab work	20 / 20	2.86 / 2.86	100 %
Week 6 In-lab work	20 / 20	2.86 / 2.86	100 %
Week 7 In-lab work	20 / 20	2.86 / 2.86	100 %
Week 8 In-Lab Work	20 / 20	2.86 / 2.86	100 %
Week 9 In-lab work	20 / 20	2.86 / 2.86	100 %
Week 10 In-lab work	20 / 20	2.86 / 2.86	100 %
Week 11 In-Lab Work	20 / 20	2.86 / 2.86	100 %

Week 12 In-Lab Work	20 / 20	2.86 / 2.86	100 %	
Week 13 In-lab work	20 / 20	2.86 / 2.86	100 %	
Week 14 In-Lab Work	20 / 20	2.86 / 2.86	100 %	
Lab Reflections & Surveys		5 / 5	100 %	
Pre Surveys (Nature of Science and Estrada) Completion	7.5 / 7.5	0.76 / 0.76	100 %	
Lab Reflection 1	15 / 15	1.52 / 1.52	100 %	
Lab Reflection 2	15 / 15	1.52 / 1.52	100 %	
Post Surveys (Nature of Science and Estrada) Completion	7.5 / 7.5	0.76 / 0.76	100 %	
Project Ownership Survey Completion	4.25 / 4.25	0.43 / 0.43	100 %	
Lab Writeups		27.23 / 30	90.75 %	
Week 3 Lab Assignment - Membrane Transport Writeup	39 / 45	5.85 / 6.75	86.67 %	Overall Feedback

Section	Comments
Introductory Paragraph (5/5 pts) - There is a paragraph describing the lab and introducing the write up.	Good
Results (17/20 pts) • Data are described as observed for each condition. • The results from each condition are interpreted. • A figure is included for each condition. • Both in-class and additional published data are presented and discussed.	You talk about the 28kDa data and “aquaporins”, but t doesn’t say anything about this particular protein. It m the same as 28kDa, but where did you get this from? Y had to present the additional 28kDa data not just talk a Good observations and interpretations
Models (5/5 pts) • Old and revised model drawings are included. • A few sentences describing the initial model are included.	good
Model Explanation (12/15 pts) • Model is described—it is clear and seeks to explain the phenomenon. • A logical explanation of how the data support the model is presented. • Data presented in support of the model are consistent with the data presented in the Results section. • Revised model is	In this section you are trying to convince the reader th model makes biological sense and is a good explanatic what’s going on with cells in different environments. Y this by referencing all the relevant data and making sp connections with parts of your model. You do a good job of incorporating the additional data your model bringing a lot of outside background info a referencing the frog cells, but you hardly mention any other results! How did the plant and blood cell data he support your revised model?

				compared to the old model and necessary changes are discussed.

Week 6 Assignment - Bacteria	47 / 50	7.05 / 7.5	94 %	Overall Feedback

Section	Comments
Introduction (10/10 pts) • There is a paragraph describing the lab and introducing the write up. • There is a hypothesis presented. • There is a step-by-step protocol presented.	Your intro has a lot of good background info, but I would also i specifics about the observations you made and let the reader kn question you are dealing with (that species E can survive in m2 with species A or something like that). Also, the crystal violet i always purple. You just add a counterstain (safranin) that is the color you observe in gram – bacteria. Your hypothesis should be a statement and not a question or pre 1. Colominic acid is harmful to species E and A 2. Species A breaks down CA Clear protocol
Results (15/15 pts) • Initial Observations, Team Results and Other Results are presented. • Data are described and interpreted for each condition, and images are included, where appropriate. • Relevant results from other teams are discussed.	Great job with the observations and interpretations. The format made everything easy to follow and the results from other team relevant and helped to fill gaps
Conclusions (5/5 pts) - How results either support or refute the hypothesis is discussed logically.	Nice job breaking it up and making it easy to read and follow. Y conclusions make sense and are consistent with the data.
Model (5/5 pts) • Initial and revised model drawings are included. • A few sentences describing the initial model are included.	Good
Model Explanation (12/15 pts) • Model is described—it is clear and seeks to explain the phenomenon. • A logical explanation of how the data support the model is presented. • All relevant data are discussed and connected to the model. • Revised model is compared to the old model and necessary changes are discussed.	Great job tying all the data together and coming up with an exp that makes sense and is consistent with your data. You also hav conflicting results in your conclusion, but just say that the other results are unreliable without giving a reason why. Spend more talking about specific changes from old and new model.

Week 8 Computational Cancer Presentations	22.5 / 25	3.38 / 3.75	90 %	Overall Feedback

	Points Earned	Comments
Drug Tested (3 pts): • Description of drug and its biological effects is included.	2	included
Drug Test Design Overview (12 pts): • Adjusted parameters are described. • A clear rationale for how the adjusted parameter(s) mimics the biology of the drug is presented. • Outputs/how drug effectiveness was evaluated is presented. • A clear rationale for why the outputs measured allow evaluation of the drug effectiveness is presented.	12	Parameters make sense and your rationale is sound

Drug Test (2 pts): • Simulation parameter settings are specified.	1	What is a tick? Give exact values changed
Results/Conclusion (8 pts): • Data are presented in way that allows audience to understand results. Both effectiveness and toxicity are considered. • Conclusion(s) are stated. They are clear and follow logically from the results.	6.5	Using a table for results is good, but give a brief summary of your key results at the end. And you mention toxicity, but what was it?
Total Points (25)	22.5	

Week 11 Lab Assignment: Chlamydomonas

45 / 50

6.75 / 7.5

90 %

Overall Feedback

,	Comments
Introduction (5/5 pts) • There is a paragraph describing the lab and introducing the write up. • There is a hypothesis presented.	Explain what phototaxis is
Experiment (10/10 pts) • Bulleted protocol is included (step-by step not necessary) • Experimental conditions are related to the hypothesis. • Controls are explained.	Good
Results (8/10 pts) • Results are reported in an appropriate format (images, graphs, etc.) • Results are described and interpreted. • Relevant data from other groups are described.	Good job mentioning issues with your control cells, but you ar missing the interpretation on most of your experimental results
Conclusion (5/5 pts) - How results either support or refute the hypothesis is discussed logically.	Good explanation
Model (5/5 pts) - Initial and revised model drawings are included.	Good
Model Explanation (12/15 pts) • A clear explanation of the model is presented. • The model seeks to explain the phenomenon. • Data are discussed and connected to the model. • Any changes to the model are discussed. • Speculative elements of model are discussed.	Good job incorporating your data and thinking about a mechani would have helped if you thought about how negative or positi phototaxis occurs with your mechanism. You are missing a disc on the speculative elements in your model

Week 14 Lab Assignment: Yeast

28 / 30

4.2 / 4.5

93.33 %

Overall Feedback

Section	Comments
Question (5/5pts) - There is a description of what the team hoped to learn from their experiment(s).	Good
Results Summary (10/10 pts) - Relevant results are described and/or presented. - Groups are cited for their data.	Good
Model (5/5 pts) - Model drawing is included.	Good
Model Explanation (8/10 pts) - Model is described—it is clear and seeks to explain the phenomenon. - A logical explanation of how the data support the model is presented.	Good model, but we mention what data shows the role FUS1
Total: 30 pts	