

MCB 2000 Laboratory Plan of Action for Remote Learning Due to COVID-19

Dear MCB 2000 Laboratory Students:

As announced by the University, beginning Monday, March 23rd, all courses will be moving online. We understand that this is stressful situation. Our goal is to try to make this transition as smooth as possible. We will be using HuskyCT to facilitate weekly laboratory quizzes, assignments, and discussion sessions with your TA via the Blackboard Collaborate Ultra Tool on the Lab Course site under Course Tools. If at any point during the next few weeks you have questions regarding the lab, please feel free to e-mail me (linda.mccollam-guilani@uconn.edu). Listed below is a brief overview of laboratory changes:

1. Laboratory Syllabus Changes

- Please refer to the document entitled “MCB 2000 Spring 2020 Laboratory Syllabus Revisions” which is posted on HuskyCT on the Lecture Course site in the Laboratory Folder

2. Student Responsibilities

- Continue to read the laboratory manual, view the provided Power Point presentation, watch all videos and take the pre-lab quiz prior to the start of your regular lab section beginning the week of Monday, March 23rd.
- During your regular scheduled lab
 - Take the weekly lab quiz: this quiz must be taken in a designated time frame which will begin 30 minutes after the start of your section and students will be given 15 minutes to complete the quiz. For example, if your lab begins at 11:15am, the quiz will begin at 11:45am and the quiz will close at 12pm. The quiz will not be available after 12pm in this example. If you are having issues with HuskyCT, please let Dr. Guilani know as soon as possible!
 - Data will be posted for the lab and this data must be transferred to your laboratory notebook pages for the Separation of Proteins Part II/III lab, Affinity Chromatography lab, and Antioxidant lab
 - Teaching Assistants will be available to answer any questions during your regular scheduled lab via the Blackboard Collaborate Ultra Tool on HuskyCT on the Laboratory Course site under Course Tools.
- Submission of Laboratory Assignments
 - **Separation of Proteins Part I lab report, Separation of Proteins Part II/III lab report, Affinity Chromatography lab report, and Antioxidant lab report**
 - ❖ Students may either scan the lab notebook pages or use their cell phone to take pictures of their lab notebook pages which must be e-mailed to their TA prior to the start of their regular scheduled lab the week the lab report is due. When e-mailing your TA please use the following in the subject line: For example, Separation of Proteins Part I lab notebook pages.
 - ❖ Students will continue to submit Concluding Statements/Discussions on HuskyCT as previously and these must be submitted prior to the start of their regular scheduled lab.
 - ❖ If a laboratory report requires a figure or graph, students will be instructed to submit these on HuskyCT via the Lab Course Site. The folder will be titled “Submit Graphs and Figures Here”. All graphs and figures for a lab report should be submitted as one document and this must be submitted prior to the start of a student’s regular scheduled lab.

➤ **Problem Set #3 and Semi-log Take Home Quiz (when e-mailing these to your TA's, please type either Problem Set #3 or Semi-log quiz in the subject line)**

Problem Set #3 and the Semi-log take home quiz will be posted on HuskyCT on Monday, March 23rd. This problem set and take home quiz must be completed and submitted to your TA via e-mail by the beginning of your lab period the week of March 30th. For Problem Set #3 and the Semi-log take home quiz submission:

- Students may print the problem set and semi-log quiz, complete it, scan the completed assignment and e-mail it to their TA or take a picture of the completed assignment and e-mail it to their TA.

-OR-

- Students may download the problem set and take home quiz from HuskyCT (Word documents), type the solutions directly into the Word documents, and e-mail the completed assignment to their TA.

- Laboratory Practical

- Due to courses now being administered remotely for the remainder of the semester, the Lab Practical will be taken on HuskyCT during your regular scheduled lab the week of April 27th. Students will be tested on both theoretical and technical aspects of experiments either performed or presented remotely during the semester.

I will be posting reminders and updates on a regular basis on HuskyCT to help students through this process. If at any time you have questions regarding the lab, please do not hesitate to contact me via e-mail. I would like to thank you in advance for your cooperation and patience in the process of transitioning the labs on-line over the next few weeks.

Thank you,

Dr. Linda Guilani

MCB 2000 Spring 2020 Laboratory Syllabus Revisions For Remote Learning Due to COVID-19

(Please refer to original laboratory syllabus for sections that have not been altered)

I. REQUIRED ITEMS FOR LAB (No changes)

II. CHECK-LIST OF ITEMS THAT MUST BE COMPLETED PRIOR TO THE START OF YOUR REGULAR SCHEDULED WEEKLY LAB

- Read the lab manual
- Watch the videos posted on HuskyCT
- Take the Pre-lab quiz posted on HuskyCT
- Review for the weekly lab quiz which will now be posted on HuskyCT in the content folder entitled “Weekly Laboratory Quizzes” on the Lab Course Site

III. LABORATORY GRADING POLICY

The laboratory portion of MCB 2000 accounts for **25% of the total course grade**. A uniform policy governs grading in all laboratory sections, as follows:

45% - Laboratory Exercises (No changes except regarding participation points)

Your grade for each laboratory exercise will include a laboratory report and participation points. All students who complete the weekly quiz on HuskyCT during the scheduled lab and time, will receive the 10 participation points for the lab.

In the original Laboratory Syllabus (in the lab manual), it states that “laboratory reports may not be e-mailed to your TA”. Students will now be instructed to either scan or use their cell phone to take pictures of their lab notebook pages which must be e-mailed to their TA. Please to include an appropriate subject heading in the e-mail.

Students will continue to submit Concluding Statements/Discussions on HuskyCT as previously.

If a laboratory report requires a figure or graph, students will be instructed to submit these on HuskyCT via the Lab Course Site. The folder will be titled “Submit Graphs and Figures Here”. All graphs and figures for a lab report should be submitted as one document.

30% - Laboratory Quizzes/Problem Sets

➤ Weekly Quizzes

Weekly lab quizzes must be completed on HuskyCT during your regular scheduled lab. The quizzes will only be available at a specific time during your scheduled lab period. The quiz will be available 30 minutes after the start of your regular scheduled lab and students will be given 15 minutes to complete the quiz. Students will receive a password to access the quiz. For example, if your lab section begins at 9:30am, you must take the quiz from 10am to 10:15am. If you begin the quiz at 10:05am, you will only have 10 minutes to complete the quiz. Students will not be able to access or take the quiz after the 15 minutes has elapsed and a score of "0" will be given for the quiz. The quizzes will continue to include questions that apply to both the experiment you would have performed that day and the experiment you learned about the previous lab session.

To prepare for these weekly lab quizzes on HuskyCT students should:

- Watch all of the videos posted on HuskyCT for labs
- Carefully read the lab manual for each specific experiment
- Review the PowerPoint presentation that will be posted on HuskyCT for each lab
- Ask your TA questions prior to the start of the quiz via the Blackboard Collaborate Ultra Tool on the Lab Course Site. All TAs are required to be available to answer questions during your regular scheduled lab. The first 30 minutes can be utilized to answer questions that you may have before taking the quiz. After the quiz is completed, I would recommend using this time to ask questions regarding any aspect of the lab (theoretical, technical, data analysis).

➤ Problem Sets

Problem Set #3 will be posted on HuskyCT on Monday, March 23rd. This problem set must be completed and submitted to your TA via e-mail by the beginning of your lab period the week of March 30th. For Problem Set #3 submission:

- Students may print the problem set, complete, it, scan the completed problem set and e-mail it to their TA or take a picture of the completed problem set and e-mail it to their TA.

-OR-

- Students may download the problem set from HuskyCT (which is a Word document), type the solutions directly into the Word document, and e-mail the completed problem set to their TA.

20% - Laboratory Practical

Due to courses now being administered remotely for the remainder of the semester, the Lab Practical will be taken on HuskyCT during your regular scheduled lab the week of April 27th. Students will be tested on both theoretical and technical aspects of experiments either performed or presented remotely during the semester.

5% - HuskyCT Pre-lab Quizzes (no changes)

IV. ATTENDANCE POLICY

Students who are not able to take the weekly lab quiz posted on HuskyCT during their regular scheduled lab at the designated time (Note: as mentioned previously, the quiz will be made available 30 minutes after the start of the lab and students will only have 15 minutes to take the quiz. Once the 15 minutes has elapsed, the quiz will no longer be available), must contact Dr. Guilani (linda.mccollam-guilani@uconn.edu) in advance.

V. LABORATORY REPORTS/PROBLEM SETS SUBMISSION POLICY (changes indicated below)

- Submission of Laboratory Reports: for the Separation of Proteins Part I and Separation of Proteins Part II/III Lab reports
 - For the Separation of Proteins Part II/III lab report, students will be given data which will be posted on HuskyCT on the Lecture Course Site in the Laboratory Folder
Students are required to transfer this data to their lab notebook pages and complete all calculations and tables as instructed in the laboratory manual. Once the lab notebook pages are completed, students may either scan the lab notebook pages or use their cell phone to take pictures of their lab notebook pages which must be e-mailed to their TA prior to the start of their regular scheduled lab!
 - Students will continue to submit Concluding Statements/Discussions on HuskyCT as previously and these must be submitted prior to the start of their regular scheduled lab.

- If a laboratory report requires a figure or graph, students will be instructed to submit these on HuskyCT via the Lab Course Site. The folder will be titled “Submit Graphs and Figures Here”. All graphs and figures for a lab report should be submitted as one document and this must be submitted prior to the start of a student’s regular scheduled lab.

Policy for Late Submission of Laboratory Reports and Problem Sets (No changes)

VI. LABORATORY REPORT REQUIREMENTS (No Changes)

VII. PLAGIARISM POLICY (No Changes)

VIII. LABORATORY HELP

Teaching Assistant Office Hours:

Teaching Assistants will be available during your regular scheduled lab to answer questions via the Blackboard Collaborate Ultra Tool on HuskyCT in the Lab Course Site under Course Tools. If you have a question outside of this designated time, please feel free to e-mail Dr. Guilani (linda.mccollam-guilani@uconn.edu) or your TA.

IX. HUSKYCT (Same with the following additional items being posted)

- Weekly lab quizzes
- Data for the Separation of Proteins Part II/III lab, Affinity Chromatography lab, and Antioxidant lab
- Laboratory Practical

X. GUIDELINE FOR GRADING OF LABORATORY REPORTS (No changes except what is listed below)

- For the Separation of Proteins Part I, Separation of Proteins Part II/III lab report, Affinity Chromatography lab report, and the Antioxidant lab report, TA’s are required to complete a grading rubric for each student. This completed rubric must be

e-mailed to students one week after the report was submitted. TA's should clearly indicate how many points were deducted and why points were deducted. If your TA is not e-mailing the completed rubric, please contact Dr. Guilani (linda.mccollam-guilani@uconn.edu) as soon as possible.

- The final grade for each laboratory report will be calculated as follows:
(Laboratory report score) x (0.90) + Participation grade (all students will receive 10 participation points if they complete the weekly laboratory quiz during the designated time during their scheduled lab section)

For example if you score on the lab report was 87 and you received 10 participation points, your final lab report grade for the experiment would be: $(87) \times (0.90) + 10 = 88.3$

XI. EXTRA CREDIT (No changes)

XII. PLAGIARISM MODULE/QUIZ REQUIREMENT (No changes)

XIII. CONTESTING A LABORATORY GRADE

If you wish to contest a grade on any laboratory assignment (lab reports, quizzes, problem sets, etc), you must e-mail your TA and DR. Guilani (linda.mccollam-guilani@uconn.edu) within one week of receiving the graded assignment (which will be via e-mail!). Graded assignments will not be reviewed by your TA or Dr. Guilani beyond one week after you have received the grade back from your TA.

XIV. STUDENTS WITH APPROVED ACCOMMODATIONS VIA THE CENTER FOR STUDENTS WITH DISABILITIES (No changes)

