Course Requirements and Timetable for
Biochemistry 4B06

Please check the 4B06 LearnLink folder on a weekly basis for important information and updates.

INITIAL MEETING – first week of September
The student should arrange a meeting with his/her supervisor to discuss the research project, course requirements, work schedule, and the expectations of the supervisor. Laboratory work should begin immediately following this meeting.

ACKNOWLEDGEMENT OF PREVIOUS WORK – October 1
Students who have worked in the same laboratory previously are required to provide a one-page summary of their previous work that is related to the project being undertaken and this should be submitted to the 4B06 drop box located outside HSC 4H39. Late submissions will be penalized.

POSTER PRESENTATION – March 31, 2008 (worth 25%) Location: Ewart Angus Centre
The poster presentation should describe the research project, the results obtained and their significance. Each poster will be evaluated by two members of the evaluation committee which will not include the student’s supervisor. The members of the evaluation committee are asked to fill out and submit a ‘Poster Evaluation’ form to Mary Margaret Strong within two days of the presentations. Students will be asked to present their poster to the members of the evaluation committee and answer any questions regarding their research. Any work done during summer months or prior to the beginning of the project should not be included in the presentation without being clearly identified and acknowledged.

Students will be evaluated based on their:
- Poster presentation
- Understanding of the background
- Ability to answer questions
- Knowledge of the experimental approach
- Ability to analyze results
- Progress

The size of the poster display should be restricted to 46 inches wide x 73 inches tall. Each poster should contain the following information:
1. Title (1-2 lines)
   - Describing the objective of the research work
2. Abstract (1 page)
   - Describing the results obtained (or the main problems encountered)
3. Introduction/Background (1 page)
   - Indicating the importance of the problem
4. Results
   - Obtained thus far (or methodology developed) and their interpretation and significance
5. Key references
   - Relevant to the work
Some helpful hints for preparing a poster presentation are available from the Department of Chemical and Process Engineering form the University of Newcastle Upon Tyne: http://lorien.ncl.ac.uk/ming/Dept/Tips/present/posters.htm

Posters should be set up before 12:30 pm on the date of the presentation and should be on display until 5:00 pm in the Ewart Angus Centre. Students must be present at their posters between 2:30-4:30 pm to answer any questions. The poster presentations are open to the entire department and may be viewed between 12:30-4:30 pm. Students are asked to remove their posters between 4:30-5:00 that day.

SUBMISSION OF FINAL THESIS REPORT – April 9, 2008 (worth 25%)
Submit one copy of your final thesis report directly to your supervisor and submit two copies to Mary Margaret Strong in HSC 4N45. Late submissions will be penalized with a deduction of 2% per day from the final mark.

The final thesis will be evaluated by the supervisor as well as two other members of the committee who will fill out and submit an ‘Evaluation of Final Thesis’ form to Mary Margaret Strong by April 15.

Guidelines for the final thesis report are provided in the course information.

EVALUATION OF LABORATORY PERFORMANCE – April 15 (worth 50%)

At the end of the term, the supervisor will fill out and submit a final ‘Evaluation of Laboratory Performance’ form to Mary Margaret Strong. Supervisors will evaluate their students based on:

a) Laboratory work
   • Ability to plan and execute experiments in an efficient and organized way
   • Skill in laboratory techniques
   • Ability to interpret data; not to overlook any conclusions nor to draw unfounded conclusions

b) Responsibility and commitment to the project
   • Demonstration of originality and independence of thought

c) Understanding of the research problem and how it fits in with existing knowledge and future studies

Supervisors are requested to provide justification for the grade assigned with specific comments and examples.
Evaluation of Final Thesis
for Biochemistry 4B06 and 4F09

The thesis should be evaluated based on the following criteria:

1. Understanding of the problem and relevant background information.
2. Results obtained and their interpretation/analysis.
3. In cases where significant problems were encountered, how they were approached and resolved.
4. Clarity of presentation, literature, citation, etc…

The thesis is worth 25 marks. Based upon the above criteria, please assign a mark out of 25 giving appropriate justification.

Student Name: __________________________________________

Committee Member: _______________________________________

Final Mark (/25): __________________________

Comments:
__________________________________________
__________________________________________
__________________________________________
__________________________________________
__________________________________________

Your evaluation, along with the thesis, should be returned to Mary Margaret Strong by April 15
# Evaluation of Laboratory Performance

for Biochemistry 4B06 and 4F09

**Student Name:**

**Committee Member:**

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<th>Top 10%</th>
<th>Top 20%</th>
<th>Top 30%</th>
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**Overall ability (numerical score out of 100)**

**Additional comments and justification for the assigned mark:**

*Your evaluation should be returned to Mary Margaret Strong by April 15*
Poster Evaluation
Biochemistry 4B06

Student Name: __________________________________________

Committee Member: __________________________________________

1. Understanding the problem and its significance (5 marks) __________

2. Experimental progress made (if progress made is inadequate, then the main reasons for it) (6 marks) __________

3. Ability to interpret/analyze results (4 marks) __________

4. Ability to answer questions (5 marks) __________

5. Overall presentation (5 marks) __________

Total (/25) = __________

Comments:
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
