**PHARMACOLOGY 4T15 HONOURS THESIS PROPOSAL**

To: Dr. Jan Huizinga, Director

 Honours Biology & Pharmacology Co-op Program

 McMaster University

 1280 Main St West, HSC 3N8E

 Hamilton, ON, L8S 4K1

 Fax: +1.905.522.3454

 Email: huizinga@mcmaster.ca

I agree to supervise the thesis of

I understand and accept the following points:

* Supervisors (only one *per* thesis project) are responsible for allotting part of the final grade for this course and this responsibility may not be delegated.
* Supervisors must hold a full-time permanent appointment at their institution (*i.e.* no post-doctoral fellows, contract employees or graduate students).
* Supervisors of students who did thesis work over the summer will receive a first draft of the thesis by the 1st of October 2024. If the student continues to work during the fall then the latest date to submit the final draft thesis to the supervisor is December 5th 2024. The final thesis is to be submitted to the supervisor and the BioPharm Program Office (biophrm@mcamster.ca) on January 10th, 2025.
* Supervisors of students who did thesis work in the fall will receive a complete first draft of the thesis by the 19th of December, 2024. Supervisors and the program will receive the final thesis by the 24th of January, 2025.
* Supervisors must submit marks for the thesis by the 20th of February 2025.
* Marking scheme:

|  |  |  |
| --- | --- | --- |
| **Component**  | **%**  | **Evaluator**  |
| Performance during the thesis work  | 30 | Supervisor  |
| Written thesis  | 20 | Supervisor  |
| Written thesis  | 25 | Program  |
| Thesis defence  | 25 | Program  |
|   |   |   |

* The thesis defenses will be held most likely during a weekend in March 2025.
* Thesis defences are open to all, including of course supervisors and family.
* Any proprietary or confidentiality issues that might preclude presentation of part of the thesis work in an open forum must be discussed with the Director of the Honours Biology & Pharmacology Program **before** a proposal is presented. A thesis defense ***has*** to take place.
* Supervisors are encouraged to attend the thesis defenses. We will try to have the option of virtual attendance for supervisors or audience but NOT 4T15 students.
* The description of the project that follows represents a letter of intent. Its purpose is to assure the Honours Biology & Pharmacology Program that a viable project exists. The Program recognizes that specific elements or focus may change during the course of the study. *Please do not submit this proposal form without the email address and signature of the supervisor.*
* **Give a brief description of the thesis proposal under the following headings (the description should not exceed one page in total):**
* **Background**:
* **Objectives (where possible indicate the key intellectual challenges that make this a thesis project):**
* **Methods to be used:**
* **Key references:**

|  |  |
| --- | --- |
| Name of Supervisor: |  |
| Address: |  |
|  |  |
|  |  |
| Telephone: |  |
| Fax: |  |
| Email:(please print or type) |  |
| Signature: |  |
| Date:  |  |

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**Thesis Evaluation 4T12. 2024-25 (two forms)**

|  |  |
| --- | --- |
| **Name of Student:** |  |
| **Name of Supervisor:** |  |

**EVALUATION OF THESIS DOCUMENT:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Component** | **Criteria** | **Mark** | **Out Of** |
| **Introduction** | Thorough review of the literature pertinent to the project. Objectives of the study or the hypothesis to be tested clearly stated. |  | 100 |
| **Methods** | Contains sufficient detail to gauge the relevance of the approaches taken. Techniques clearly described to allow repeat. Analytical and statistical techniques described adequately. |  | 100 |
| **Results** | Includes both positive and negative outcomes, data presented in a logical sequence and clearly illustrated through the use of figures and tables. Figures and tables accompanied by appropriate legends that allow them to be understood without reference to the text. |  | 100 |
| **Discussion** | Results interpreted and their meaning and significance outlined. The study placed in context with the current literature. Negative outcomes discussed. Avenues for further research indicated.  |  | 100 |
| **References** | Pertinent, adequate, uses correct style in text and bibliography. |  | 100 |
| **TOTAL MARK FOR DOCUMENT** |  | 100 |

* I did 🞏 I did not…receive an acceptable draft by the December deadline.

Please check the appropriate box.

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| COMMENTS: |

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**Thesis Evaluation**

|  |  |
| --- | --- |
| **Name of Student:** |  |
| **Name of Supervisor:** |  |

**EVALUATION OF PERFORMANCE DURING THESIS WORK:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Component** | **Criteria** | **Mark** | **Out Of** |
| **Initiative** | To what degree did the student assume ownership of the project, demonstrate motivation, and take initiative in dealing with issues that arose during the course of the project? |  | 100 |
| **Independence** | To what degree could the student be relied upon to perform the work without supervision? Did the student seek help when appropriate? |  | 100 |
| **Responsibility** | To what degree did the student show scientific and ethical responsibility as well as responsibility towards colleagues? |  | 100 |
| **Critical Sense** | To what extent was the student able to evaluate the quality of data, experimental design, and current literature pertinent to the thesis topic? |  | 100 |
| **Compatibility** | What was the quality of the student’s interactions with others? To what extent was the student able to supervise, collaborate, and/or follow instructions in a collegial manner? |  | 100 |
| **TOTAL MARK FOR PERFORMANCE** |  | 100 |

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| COMMENTS: |