**Plan of Study Toward the QERM Doctoral Degree**

**Instructions:** The purpose of the Plan of Study is to obtain guidance from your advisory committee on which courses you should take during your degree and to keep track of program milestones. This plan will be based largely on your research, other interests, and long-term career goals. Return a committee-signed copy to the QERM Program Coordinator located in Ocean Teaching Building #366. (You may revise this form in later quarters if major changes are made to your plan of study.)

**Student Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Faculty Adviser:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Year Passed QERM Qualifying Exam:** \_\_\_\_\_\_\_\_\_\_\_\_  **Master’s Bypass? (circle)**  **Yes**  **No**

**A. Required QERM PhD coursework:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Title** | **Credits** | **Planned**  **Qtr. & Yr.** |
| \*BIOSTAT 522 | Statistical Inference for Biometry I | 4 |  |
| \*BIOSTAT 523 | Statistical Inference for Biometry II | 4 |  |
| \*QERM 514 | Analysis of Ecological and Environmental Data | 4 |  |
| \*SEFS 540 | Optimization Techniques for Natural Resources | 5 |  |
| \*AMATH 523  or  \*AMATH 535 | Mathematical Analysis in Biology and Medicine (offered even numbered years)  or  Mathematical Ecology (offered odd numbered years) | 5 |  |
| CSE 583 | Software Development for Data Scientists | 4 |  |
| QERM 597 | QERM Autumn Seminar (first year students) | 2 |  |
| QERM 597 | QERM Winter Seminar (all QERM students) | 2 |  |
| Statistics Elective | One higher level statistics class (e.g. STAT 512, STAT 516, etc.) as determined by the student’s committee. | variable |  |
| Ecology Elective | Refer to list of recommended ecology electives | variable |  |
| QERM 600 | Independent Study (as needed) | variable |  |
| QERM 800 | Doctoral Dissertation Credits (minimum of 27 required) | 27 |  |

\* The QERM PhD Qualifying Exam covers topics from these classes.

**B. Recommended QERM PhD coursework:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Title** | **Credits** | **Planned**  **Qtr. & Yr.** |
| IND E 512,  IND E 513, or AMATH 514 | Course in Linear Optimization strongly recommended if relevant to research | variable |  |

**C.** **Additional required coursework determined in conjunction with Doctoral Supervisory Committee** (12 or more credits of 400-, 500-, or 600-level courses must be completed before advancing to doctoral candidacy. Do not include QERM 800.):

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Title** | **Credits** | **Planned**  **Qtr. & Yr.** |
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**D. Recommended coursework determined in conjunction with Supervisory Committee.** These courses are recommended, but not required to graduate. Include audited courses in this section.

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Title** | **Credits** | **Planned**  **Qtr. & Yr.** |
|  |  |  |  |
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**E.** **Estimated milestone completion dates** (for planning purposes only):

|  |  |  |
| --- | --- | --- |
| **Milestones** | **QERM Timeline\*** | **Estimated Completion**  **Qtr. & Yr.** |
| Form Dissertation Committee and hold first meeting | 5th quarter (Autumn) |  |
| Plan of Study Approved by Supervisory Committee | 5th quarter (Autumn) |  |
| Dissertation Proposal Approved by Committee | 8th quarter (Summer) |  |
| General Exam | 9th quarter (Autumn) |  |
| \*\*Form Reading Committee (well before completion of first draft) | Before the 16th quarter |  |
| \*\*Final Exam (oral defense) and Dissertation Submission  (must be registered during the quarter of submission) | 16th quarter |  |

\* This timeline will be modified for students that transition into the PhD track after completing a QERM Master’s degree or Master’s Bypass. Meet with the Program Coordinator to determine appropriate milestone timeline.

\*\* The student and committee should plan to complete the dissertation in the 16th quarter. However, failure to meet this target will not automatically trigger programmatic action because the pace of research progress is difficult to predict and can be delayed by many factors that cannot be controlled by the student.

**Doctoral degree requirements** (established by the UW Graduate School):

In order to qualify for the doctoral degree, it is the responsibility of the student to meet the following Graduate School minimum requirements:

1. Completion of a program of study and research as planned by the graduate program coordinator in the student’s major department or college and the Supervisory Committee. At least 18 credits of course work at the 500 level and above must be completed prior to scheduling the General Examination.
2. Presentation of 90 credits, 60 of which must be taken at the University of Washington. With the approval of the degree-granting unit, an appropriate master’s degree from an accredited institution may substitute for 30 credits of enrollment.
3. Numerical grades must be received in at least 18 quarter credits of course work taken at the UW prior to scheduling the General Examination. The Graduate School accepts numerical grades in department approved 400-level courses accepted as part of the major and in 500-level courses. This excludes 499 credits. A minimum cumulative GPA of 3.00 is required for a graduate degree at the University.
4. Creditable passage of the General Examination. Registration as a graduate student is required the quarter the exam is taken and candidacy is conferred.
5. Preparation of and acceptance by the Dean of the Graduate School of a dissertation that is a significant contribution to knowledge and clearly indicates training in research. Credit for the dissertation ordinarily should be at least one-third of the total credit. The Candidate must register for a minimum of 27 credits of dissertation over a period of at least three quarters. At least one quarter must come after the student passes the General Examination. With the exception of summer quarter, students are limited to a maximum of 10 credits per quarter of dissertation (800).
6. Creditable passage of a Final Examination, which is usually devoted to the defense of the dissertation and the field with which it is concerned. The General and Final Examinations cannot be scheduled during the same quarter. Registration as a graduate student is required the quarter the exam is taken and the degree is conferred.
7. Completion of all work for the doctoral degree within ten years. This includes quarters spent On-Leave or out of status as well as applicable work from the master’s degree from the UW or a master’s degree from another institution, if applied toward one year of resident study.
8. Registration maintained as a full- or part-time graduate student at the University for the quarter in which the degree is conferred (see detailed information under Final Quarter Registration).
9. A student must satisfy the requirements that are in force at the time the degree is to be awarded.

**F. Proposed Dissertation Title:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**G. Estimated Dissertation Proposal Submission Date:**

**H. Additions, modifications, or other notes by the Supervisory Committee** (complete Doctoral Committee Meeting Documentation Form)

**Approval of Supervisory Committee (GSR signature is optional):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Role** | **Printed Name** |  | **Signature** |  | **Date** |
| Chair |  |  |  |  |  |
| GSR |  |  |  |  |  |
| Member |  |  |  |  |  |
| Member |  |  |  |  |  |
| Member |  |  |  |  |  |
| Member |  |  |  |  |  |
| Member |  |  |  |  |  |

Forward to QERM Student Services Office (Ocean Teaching Building #366, Mailbox 357941) for final review and approval by QERM GPC.

**Office Use Only:**

Approved by QERM GPC: Date: