### PhD: Degree Planning Guide

**Student’s Name:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Description</th>
<th>Credits</th>
<th>Semester Offered</th>
<th>Year Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGEC 607</td>
<td>Research Methodology (or MS thesis)</td>
<td>3</td>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>AGEC 621</td>
<td>Econometrics in Agribusiness</td>
<td>3</td>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>ECON 607</td>
<td>Foundations of Microeconomic Theory</td>
<td>3</td>
<td>Fall, SSI</td>
<td></td>
</tr>
<tr>
<td>ECON 611</td>
<td>Foundations of Macroeconomic Theory</td>
<td>3</td>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>ECMT 660(^a)</td>
<td>Mathematical Economics I</td>
<td>3</td>
<td>Fall</td>
<td></td>
</tr>
</tbody>
</table>

**Prerequisites or Equivalents:**

**Required Courses:**

**Economic Theory:**
- ECON 629 Microeconomic Theory I
  - Credit 3
  - Fall
- ECON 630 Microeconomic Theory II
  - Credit 4
  - Spring

**Core Requirement:**
- AGEC 635 Consumer Demand Analysis
  - Credit 3
  - Spring
- AGEC 636 Agribusiness Mkts. and Applied Welfare Analysis
  - Credit 3
  - Fall
- AGEC 637\(^f\) Production Economics and Dynamic Optimization
  - Credit 3
  - 10-wk Summer

**Quantitative Methods:**
- ECON 685\(^b, c\) Stat Prep
  - Credit 2
  - Fall
- AGEC 641 Operations Research Methods in Ag. Econ. OR
  - Fall
- AGEC 643 Applied Simulation in Agricultural Economics
  - Credit 3
  - Fall
- AGEC 661 Applied Econometric Methods in Agriculture
  - Credit 3
  - Spring

**Economic Theory or Quantitative Methods Electives \(^d\):**

- Credit 3
- Credit 3

**Research Requirement:**
- AGEC 691\(^e\) Research
  - Credit 22

**Field Requirement (12 Credits Required):**
- AGEC 672 and 676 OR
  - Fundamentals and Frontiers in Markets and Information Economics
  - Credit 6
  - Fall/Spring
- AGEC 673 and 677
  - Fundamentals and Frontiers in Natural Resource and Environmental Economics
  - Credit 6
  - Fall/Spring
  - Elective field course
  - Credit 3
  - Fall/Spring
  - Elective field course
  - Credit 3
  - Fall/Spring

**Student’s Advisory Committee:**

<table>
<thead>
<tr>
<th>Chair</th>
<th>Member</th>
<th>Member</th>
<th>Outside Member</th>
</tr>
</thead>
</table>

Minimum credit hours required, not counting prerequisites are 64. The course requirements listed above can also be met by taking equivalent courses as part of a MS program or as graduate credit from another Department or University. Departures from listed course require written justification and approval by the proposed student’s Advisory Committee Chair and the Associate Head for Graduate Programs at the time the degree plan is filed.

\(^a\) ECMT 660 is taught in Fall semester. ECON 460, taught Spring semester is a good substitute.

\(^b\) or ECMT 675 or STAT 630 (STAT 414 covers much of the subject matter in STAT 630) or sequence 610 and STAT 611.

\(^c\) Enroll for the Fall semester but the class is taught in August. This course can be taken for credit or a student can audit the course. If the student audits the class and passes the final exam, the student can replace this course with an elective on his/her degree plan.

\(^d\) Choose from ECON 636 Macroeconomic Theory I; ECON 646 Macroeconomic Theory II; ECMT 669 Fundamental Mathematics for Economists; ECMT 675 Econometrics I; ECMT 677 Applied Econometrics; ECMT 678 Nonparametric Econometrics; ECMT 679 Time Series Econometrics; ECMT 680 Financial Econometrics; AGEC 641 Operations Research Methods in Agricultural Economics; or AGEC 643 Applied Simulation in Agricultural Economics.

\(^e\) Research credits may be replaced by course credits.

\(^f\) Temporarily, AGEC 637 will not be taught but will be replaced with a Directed Study course. AGEC 685 will be taught for 2 credit hours during the Fall Semester.
# PhD Scheduling of Curriculum

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
<th>Summer (Month of August)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required</strong></td>
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</tr>
<tr>
<td>ECON 629 (3) Microeconomic Theory I</td>
<td>ECON 630 (4) Microeconomic Theory II</td>
<td>AGEC 637(^d) (3) Prod. &amp; Dyn. Optimization</td>
</tr>
<tr>
<td>AGEC 636 (3) Agribus. Mkts. &amp; Welfare Econ.</td>
<td>AGEC 635 (3) Consumer Demand Analysis</td>
<td>ECON 685(^a) (2) Math Prep</td>
</tr>
<tr>
<td>AGEC 685(^a) Directed Studies</td>
<td>AGEC 661 (3) Applied Econometrics</td>
<td>ECON 685(^a) (2) Stat Prep</td>
</tr>
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</tr>
<tr>
<td>AGEC 641 (3) Operations Research</td>
<td>STAT 630 (3) Overview of Math Stat</td>
<td>AGEC 691 Research</td>
</tr>
<tr>
<td>ECMT 675 (3) Econometrics I</td>
<td>ECON 685(^a) (2) Math Prep</td>
<td>ECON 685(^a) (2) Stat Prep</td>
</tr>
<tr>
<td>STAT 630 (3) Overview of Math Stat</td>
<td>AGEC 685(^a) (2) Stat Prep</td>
<td><strong>Optional</strong></td>
</tr>
<tr>
<td>AGEC 641 (3) Operations Research</td>
<td><strong>Field Courses</strong></td>
<td></td>
</tr>
<tr>
<td>AGEC 643 (3) Applied Simulation</td>
<td>AGEC 672 (3) Fundamentals: Markets</td>
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<tr>
<td><strong>Field Courses</strong></td>
<td>AGEC 673 (3) Fundamentals: Resources</td>
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<tr>
<td>AGEC 672 (3) Fundamentals: Markets</td>
<td><strong>Optional</strong></td>
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<tr>
<td>AGEC 673 (3) Fundamentals: Resources</td>
<td>AGEC 691 Research</td>
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<td><strong>Optional</strong></td>
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