COURSEWORK FOR PH.D. LEARNING AND COGNITION CONCENTRATION

The curriculum below will satisfy the requirements in this area in PsyF as well as the core requirements in Educational Psychology. EPSy and PsyF core courses must be graded A/F, not S/N. At least 2/3 of course credits on the Graduate Degree Plan must be taken under the A/F grading system.

Submit this checklist with the Graduate Degree Plan to your adviser.

Name: ____________________________  Adviser(s): ____________________________

### EPSY core requirements
EPSy core requirements and a list of courses that satisfy the EPSY core requirements are listed in the Ed Psych Student Handbook at http://www.cehd.umn.edu/EdPsych/Current/Default.html. [If you will be petitioning a substitute for any of the core courses, submit an Internal Petition Form.]

_____ EPSY 8905—History and Systems of Psychology: Landmark Issues in Educational Psychology (3 cr.)
_____ 3 credits in learning—one of the required L&C courses listed below will satisfy this requirement
_____ 3 credits in social psychology or personality—you must take one of the following courses:
  - EPSY 5151—Cooperative Learning (3 cr.)
  - EPSY 5157—Social Psychology of Education (3 cr.)
  - PSY 5135—Psychology of Individual Differences (3 cr.)
  - PSY 5202—Attitudes and Social Behavior (3 cr.)
  - PSY 5205—Applied Social Psychology (3 cr.)
  - PSY 5207—Personality and Social Behavior (3 cr.)
  - PSY 8201—Social Cognition (3 cr.)
  - CPSY 8302—Developmental Psychology: Social and Emotional Processes (4 cr.)

_____ 6 credits in research methods (plus a pre-dissertation project)—you must take the following two courses:
  - EPSY 5216—Introduction to Research in Educational Psychology and Human Development (3 cr.)
  - EPSY 8216—Seminar: Research Processes in Psychological Foundations of Education (3 cr.)

_____ 12 credits in statistics, measurement, evaluation—6 credits must be in statistics at the 8xxx level and 3 credits must be in measurement

**Statistics**
  - EPSY 8251—Methods in Data Analysis for Educational Research I (preferred)
  - OR EPSY 8261—Statistical Methods I: Probability and Inference (3 cr.)
  - EPSy 8252—Methods in Data Analysis for Educational Research II (preferred)
  - OR EPSY 8262—Statistical Methods II: Regression and the General Linear Model (3 cr.)

**Specialized statistics courses:**
  - EPSY 8263—Advanced Multiple Regression Analysis (3 cr.)
  - EPSY 8266—Statistical Analysis Using Structural Equation Methods (3 cr.)

**Measurement**
  - EPSY 5221—Basic Principles of Educational Measurement (3 cr.)
  - PSY 5862—Psychological Measurement: Theory and Methods (3 cr.)
Specialized measurement courses:
- EPSY 5614—Foundations of Special Education II (3 cr.)
- EPSY 8221—Psychological Scaling (3 cr.)
- EPSY 8222—Advanced Measurement: Theory and Application (4 cr.)
- PSY 5865—Advanced Psychological and Educational Measurement (3 cr.)
- 9 credits EPSY electives—specialization courses in L&C can be used to satisfy this requirement

Required learning and cognition courses—minimum 6 credits
You must take at least two of the following courses (check courses taken):
- EPSY 5101—Intelligence and Creativity (3 cr.)
- EPSY 5112—Knowing, Learning, and Thinking (3 cr.)
- EPSY 5113—Psychology of Instruction and Technology (3 cr.)
- EPSY 5114—Psychology of Student Learning (3 cr.)
- EPSY 5115—Psychology of Adult Learning and Instruction (3 cr.)
- EPSY 5119—Mind, Brain, and Education (3 cr.)
- EPSY 5191—Education of the Gifted and Talented (3 cr.)
- EPSY 5200—Special Topics: Psychological Foundations (3 cr.)

Specialization courses in learning and cognition—minimum 12 credits
You must take some combination of the following courses (check courses taken):

[EPSY 8114 may be repeated up to three times]
- EPSY 8112—Mathematical Cognition (3 cr.)
- EPSY 8114—Seminar: Cognition and Learning (3 cr.)
- EPSY 8114—Seminar: Cognition and Learning (3 cr.)
- EPSY 8114—Seminar: Cognition and Learning (3 cr.)
- EPSY 8115—Psychology of Instruction and Technology (3 cr.)
- EPSY 8117—Writing Empirical Papers and Research/Grant Proposals in Education and Psychology (3 cr.)
- EPSY 8290—Special Topics: Seminar in Psychological Foundations (3 cr.) [consult with adviser]

Minor or supporting/related fields (check with adviser)
You must complete a minimum of 12 credits of coursework outside the Educational Psychology department (if declaring a minor, check with intended minor department for credit and course requirements).

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Dissertation
EPSY 8888—Thesis Credits: Doctoral, 24 credits