Department of Psychological and Brain Sciences

Quantitative Analysis Certificate

he purpose of the certificate is to serve as a catalyst for matriculated doctoral students in Psychological and Brain Sciences (PBS) to structure some of their coursework to promote training in quantitative analysis across the areas of the department. Students structure their required and elective coursework such that they take a sequence of six courses in statistics.

WHEREAS,   the Department of Psychological and Brain Sciences (PBS) in the College of Arts and Sciences has offered a successful program for the PhD with concentrations in either Behavioral Neuroscience, Clinical Science, Cognitive Psychology, or Social Psychology, and

WHEREAS,    PBS has proposed a Quantitative Analysis Certificate, which will serve as a catalyst for matriculated doctoral students in PBS to structure their coursework to promote training in quantitative analysis across the four major training areas within the PBS department, and

WHEREAS,    the existing graduate program in PBS already provides all the courses and administrative framework for such a certificate, and

WHEREAS,    the proposed certificate contributes to one of the milestones on the University’s “path to prominence” to achieve excellence in professional education; be it therefore

RESOLVED, that the Faculty Senate recommends provisionally for five years the approval of the establishment of a Quantitative Analysis Certificate in PBS.

Certificate Requirements:

A student may elect to structure their coursework such that they take a sequence of six courses in statistics. A written proposal of the planned coursework to obtain the Quantitative Analysis Certificate should be submitted to the Director of Graduate Education. The Graduate Committee, in consultation with the Department Quantitative Committee, will review the proposal. Once the proposal is reviewed, the student will be notified via email whether the plan is approved; if not, the student will receive feedback if the plan needs to be revised.

Courses a student can take include:

1. **Certificate Requirements:**

A student may elect to structure their coursework such that they take a sequence of six courses in statistics. A written proposal of the planned coursework to obtain the Quantitative Analysis Certificate should be submitted to the Director of Graduate Education. The Graduate Committee, in consultation with the Department Quantitative Committee, will review the proposal. Once the proposal is reviewed, the student will be notified via email whether the plan is approved; if not, the student will receive feedback if the plan needs to be revised.

Coursework for the Quantitative Analysis Certificate A student may elect to structure their coursework such that they take a sequence of six courses in statistics. A written proposal of the planned coursework to obtain the Quantitative Analysis Certificate should be submitted to the Director of Graduate Education. The Graduate Committee, in consultation with the Department Quantitative Committee, will review the proposal. Once the proposal is reviewed, the student will be notified via email whether the plan is approved; if not, the student will receive feedback if the plan needs to be revised.

Courses a student can take include: PSYC 860 Psychological Statistics 3

PSCY 861 Psychological Statistics 3

PSYC 878 Hierarchical Linear Modeling 3

PSYC 879 Structural Equational Modeling 3

An additional advanced Statistics course\* 3

An additional advanced Statistics course\* 3

\*requires approval from the Department Quantitative Statistics Committee