**Advanced Quantitative Methods for Behavioral Sciences**

This certificate builds on the *Introduction to Quantitative Methods for Behavioral Sciences* certificate and provides advanced training in research design and quantitative methods relevant to practitioners and researchers working in the fields of health promotion, social and behavioral sciences and preventative medicine. The course offerings in this certificate are designed to provide education in advanced design and analysis methods. This certificate will be suitable for students who have prior experience or training through multivariate linear and logistic regression modeling.

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| Name: |  | | | Student ID Number: | | |  |
| **Degree-Seeking & Non-Degree-Seeking Students Certificate Requirements** | | | | | | | |
| Course | | Credits | Title | | Semester & Year | Grade | Notes |
| **Required Courses** | | | | | | | |
| *9 credit hours* | | | | | | |  |
| PHD 1121L | | 3 | Advanced Quantitative Analysis for Behavioral Sciences | |  |  |  |
| PHD 1130L | | 3 | Applied Measurement Theory | |  |  |  |
| PH 1324L | | 3 | Applied Discrete Data Analysis using STATA | |  |  |  |
| **Elective Course** | | | | | | | |
| *6 credit hours – (see planning note 1)* | | | | | | |  |
|  | | 3 |  | |  |  |  |
|  | | 3 |  | |  |  |  |
| **Total Credits** | | **15** |  | | | | |

*For course availability, including online offerings, please reference the* [*Course Rotation Schedule*](https://web.sph.uth.edu/student-forms/Academic_Requirements/Schedule%20of%20Classes/Reference.Course_Rotation.pdf) *and the* [*Interactive Course Schedule*](https://web.sph.uth.edu/course/CourseSchedule)*.*

**Planning Notes:**

**Planning Note 1 (Electives):** Students are required to complete a minimum of six (6) credit hours of electives. Pre-approved electives are listed below.

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| Elective Options | | |
| Course | Credits | Title |
| PHD 1132 | 3 | Latent Variable Models and Factor Analysis |
| PH 1321L | 3 | Social Networks and Health |
| PH 1323L | 3 | Applied Methods of Longitudinal and Ecological Momentary Assessment (EMA) Data |
| PHD 1431 | 2 | Tools and Methods for Systematic Reviews and Meta-Analyses |

**Advanced Quantitative Methods for Behavioral Sciences Coordinators:**

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