

## College of Education

### Minimum Research Methodology Requirements for Doctoral Students

*FPC Approval: May 12, 2010*  
*FPC Revision Approved: April 25, 2016*

PhD and EdD students enrolled in on-campus programs must complete a minimum of 12 credit hours to meet the college-wide requirement for preparation in research methodology. For all doctoral students, research courses must be selected from the following two lists of courses, with the proviso that the Associate Dean overseeing graduate education has the authority to approve substitute and alternative courses.

Programs and supervisory committees have the discretion to require more than 12 credit hours. Required coursework that exceeds these minimum requirements are not subject to review by the Associate Dean overseeing graduate education.

#### Approved Courses for On-campus Research Doctorates (PhD and EdD)

##### Qualitative Methodology Courses

- EDF 6475—Qualitative Foundations of Educational Research (4)
- EDF 7483—Qualitative Data Collection: Approaches and Techniques (3) Prereq: EDF 6475
- EDF 7479—Qualitative Data Analysis: Approaches and Techniques (3) Prereq: EDF 6475

##### Quantitative Methodology Courses

- EDF 6403 Quantitative Foundations of Educational Research (6)  
*Or both*
- EDF 6400 Quantitative Foundations of Education Research Overview (3) *And*
- EDF 6402 Quantitative Foundations in Educational Research: Inferential Statistics (3)
  
- EDF 6436 Theory of Measurement (4) Prereq: EDF 6403
- EDF 6471 Survey Design and Analysis in Educational Research (3) Prereq: EDF 6403
- EDF 6481 Quantitative Research Methods in Education (4) Prereq: EDF 6403
- EDF 7405 Advanced Quantitative Foundations of Educational Research (4) Prereq: EDF 6403
- EDF 7412 Structural Equation Models (3) Prereq: EDF 6436, EDF 7405
- EDF 7413 Advanced Topics in Structural Equation Modeling (3) Prereq: EDF 7412
- EDF 7432 Advanced Psychometric Theory (3) Prereq: EDF 6436

- EDF 7435 Rating Scale Design and Analysis in Educational Research (3) Prereq: EDF 6403 and EDF 6434, or EDF 6436
- EDF 7439 Item Response Theory (3) Prereq: EDF 6436
- EDF 7474 Multilevel Models (3) Prereq: EDF 6403, or EDF 6481 and EDF 7405
- EDF 7482 Quasi-experimental Design and Analysis in Educational Research (3) Prereq: EDF 7405
- EDF 7491—Evaluation of Educational Products and Systems (3) Prereq: EDF 6403
- EDF 7932—Multivariate Analysis in Educational Research (3) Prereq: EDF 6403 and EDF 7405

### **Research Requirements for Online or Hybrid EdD Programs**

Students completing the requirements for an online or hybrid EdD program will take a minimum of 12 credit hours of program determined research courses to satisfy the college-wide research requirements.

### **Substitute and Alternative Research Courses**

A *substitute course* is a course that covers the same methodologies as are covered in a listed course and covers the methodologies at the same level of difficulty. Courses that cover the material at a lower level of difficulty are not appropriate substitute courses.

An *alternative course* is a course that covers different methodologies than are covered in any of the listed courses. Proposing an alternative course presumes that the methodology covered in the alternative course is not covered in any of the listed courses. An example of an alternative quantitative methods course is STA 5507—Applied Nonparametric Methods. None of the listed quantitative methods courses cover nonparametric methods. An example of an alternative qualitative methods course is HIS 6060—Historical Method. None of the listed qualitative methods courses cover methods of historical research.

To request a substitute or alternative course(s), submit a completed “Substitute and/or Alternative Course Request Form” (available at: <https://education.ufl.edu/student-services/files/2017/08/SubAltRequest.pdf>) to the COE Associate Dean overseeing graduate education. The Chair of the student’s supervisory committee, on behalf of the supervisory committee, shall transmit the request. Approval of the request by the Associate Dean authorizes the substitute and/or alternative course(s). Requests for substitute or alternative courses should be submitted by the second year of graduate study or as soon thereafter as possible.

Prospective requests must include the most recent syllabus for the proposed course. Retrospective requests must include the syllabus for the semester in which the proposed course was taken.

Requests for a substitute course must identify the course for which substitution is requested and include an explanation about why a substitution is necessary. When a course substitution is requested, the Associate Dean will solicit advice from the Program Coordinator of Research and Evaluation Methodology (REM) about the equivalence of the listed and substituted course. In the event an alternative course with content similar to that of a listed course is proposed, the Associate Dean will solicit advice from the Director of REM about the equivalence of the listed course. In the event of substantial similarity, the Associate Dean will treat the alternative course as a substitute course.

Proposed substitute or alternative courses taken before admission for doctoral study to the UF Graduate School must have been completed within seven years of admission.

Proposed substitute or alternative courses taken after admission for doctoral study to the UF Graduate School must be approved before enrolling in the requested courses.