# Teaching and Learning, PhD

## PhD Required Research Courses

Students admitted to doctoral programs must complete the program's research requirements.

### Required Core Courses

All PhD students in the Department of Teaching and Learning must complete one or both of the following core courses, depending upon program requirements.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTL:7004</td>
<td>Schooling in the United States</td>
<td>3</td>
</tr>
<tr>
<td>EDTL:7033</td>
<td>Seminar on Teacher Education</td>
<td>3</td>
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</tbody>
</table>

### Cognate Areas

The following list of cognates offered by program areas in the department is not exhaustive; students may select cognates from this list, or they may customize their own cognate areas in consultation with their advisors.

#### Multilingual Education

This course:

- EDTL:6483 Multilingual Education and Applied Linguistics

Two of these, chosen in consultation with faculty:

- EDTL:6400 Fundamentals of Second Language Assessment
- EDTL:6402 Second Language Program Management
- EDTL:6403 Language Policy and Planning
- EDTL:6409 Cultural Curriculum
- EDTL:6480 Graduate Seminar in Multilingual Education
- EDTL:6484 Bi/Multilingual Literacies
- EDTL:6497 Principles of Course Design for Second Language Instruction

#### Gifted Education

**Administrative Strand**

Two of these, chosen in consultation with faculty:

- EPLS:4110 Administration and Policy in Gifted Education
- EPLS:4111 Evaluation of Gifted Programs
- EPLS:4113 Staff Development for Gifted Programs

**Programming Strand**

Both of these:

- EDTL:4066 Curriculum Concepts in Gifted Education
- EDTL:4199 Program Models in Gifted Education

**Psychology Strand**

Two of these, chosen in consultation with faculty:

- CSED:4120 Psychology of Giftedness
- CSED:4121 Identification of Students for Gifted Programs
- CSED:4137 Introduction to Educating Gifted Students
- CSED:5226 Assessment of Giftedness
- CSED:5237 Seminar in Gifted Education

#### Literacy, Culture, and Language Education

Both of these:

- EDTL:7008 Seminar: Research and Current Issues (topic chosen in consultation with advisor)
- EDTL:7015 PhD Seminar in Language, Literacy, and Culture (topic chosen in consultation with advisor)

#### Mathematics Education

Both of these:

- EDTL:6536 Teaching of Geometry
- EDTL:7535 Seminar: Research in Mathematics Education

#### Science Education

Both of these:

- EDTL:6757 Learning in the Science Classroom
- EDTL:6759 Advanced Pedagogy

#### Special Education

All of these:

- EDTL:7945 Current Issues and Trends in Learning Disabilities
- EDTL:7948 Contemporary Research in Behavioral Disorders
- EDTL:7953 Seminar: Single Subject Design Research