

# Teaching and Learning, Ph.D.

## Ph.D. Required Research Courses

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

## Required Core Courses

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

Code	Title	Hours
EDTL:7004	Schooling in the United States	3
EDTL:7033	Seminar on Teacher Education	3

## 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

Code	Title	Hours
This course:		
EDTL:6483	Multilingual Education and Applied Linguistics	3
Two of these, chosen in consultation with faculty:		
EDTL:6400	Fundamentals of Second Language Assessment	3
EDTL:6402	Second Language Program Management	3
EDTL:6403	Language Policy and Planning	3
EDTL:6409	Cultural Curriculum	3
EDTL:6480	Issues in Foreign Language Education	3
EDTL:6484	Reading in a Second Language	3
EDTL:6497	Principles of Course Design for Second Language Instruction	3

## Gifted Education

### Administrative Strand

Code	Title	Hours
Two of these, chosen in consultation with faculty:		
EPLS:4110	Administration and Policy in Gifted Education	2
EPLS:4111	Evaluation of Gifted Programs	1
EPLS:4113	Staff Development for Gifted Programs	1

## Programming Strand

Code	Title	Hours
Both of these:		
EDTL:4066	Curriculum Concepts in Gifted Education	3
EDTL:4199	Program Models in Gifted Education	3

## Psychology Strand

Code	Title	Hours
Two of these, chosen in consultation with faculty:		
RCE:4120	Psychology of Giftedness	3
RCE:4121	Identification of Students for Gifted Programs	3
RCE:4137	Introduction to Educating Gifted Students	3
RCE:5226	Assessment of Giftedness	3
RCE:5237	Seminar in Gifted Education	3

## Literacy, Culture, and Language Education

Code	Title	Hours
Both of these:		
EDTL:7008	Seminar: Research and Current Issues (topic chosen in consultation with advisor)	arr.
EDTL:7015	Ph.D. Seminar in Language, Literacy, and Culture (topic chosen in consultation with advisor)	arr.

## Mathematics Education

Code	Title	Hours
Both of these:		
EDTL:5535	Current Issues in Mathematics Education	1-3
EDTL:7535	Seminar: Research in Mathematics Education	arr.
Two of these:		
EDTL:6531	Technology in School Mathematics	2-3
EDTL:6534	Foundations of Mathematics Education	2-3
EDTL:6536	Teaching of Geometry	2-3
EDTL:6539	Teaching of Algebra	2-3

## Science Education

Code	Title	Hours
All of these:		
EDTL:6757	Learning in the Science Classroom	2-3
EDTL:6759	Advanced Pedagogy	3

## Special Education

Code	Title	Hours
All of these:		
EDTL:7945	Current Issues and Trends in Learning Disabilities	3

EDTL:7948	Contemporary Research in Behavioral Disorders	3
EDTL:7953	Seminar: Single Subject Design Research	3