EDUCATIONAL RESEARCH
METHODOLOGY, DOCTORAL
MINOR

Minor Requirements
Required: 15 credit hours

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Core Courses (15 credits)</strong></td>
<td>15</td>
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<td>Select 15 credits from the following:</td>
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ERM 700  Validity and Validation
ERM 726  Advanced Topics in Educational Measurement
ERM 727  Computer-Based Testing: Methods and Applications
ERM 731  Structural Equation Modeling in Education
ERM 732  Hierarchical Linear Modeling
ERM 733  Second Language Assessment and Testing
ERM 734  Equating
ERM 736  Advanced Studies in Second Language Testing
ERM 741  Evaluation of Educational Programs
ERM 742  Advanced Topics in the Evaluation of Educational Programs
ERM 750  Case Study Methods in Educational Research
ERM 752  Applied Educational Evaluation
ERM 767  Foundations of Educational Measurement Theory
ERM 768  Survey Research Methods in Education
ERM 769  Item Response Theory
ERM 771  Advanced Item Response Theory
ERM 772  Multidimensional Item Response Theory
ERM 774  Data Visualization and Presentation
ERM 780  Intermediate Statistical Methods in Education
ERM 781  Design and Analysis of Educational Experiments
ERM 782  Multivariate Analysis
ERM 785  R for Education and the Social Sciences

Total Credit Hours 15