# PSYCHOMETRICS AND QUANTITATIVE PSYCHOLOGY (PH.D.)

## Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Departmental Course Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. Ethical Bases</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC 6010</td>
<td>Research Ethics and Social Justice</td>
<td></td>
</tr>
<tr>
<td>For II to V, Choose three out of four categories</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>II. Historical Bases</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 6066</td>
<td>History and Systems or PSYC 520 Fixing Psychology’s Replication Crisis</td>
<td></td>
</tr>
<tr>
<td>III. Biological Bases</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 6654</td>
<td>Introduction to Neuroscience</td>
<td></td>
</tr>
<tr>
<td>IV. Social and Individual Bases</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 5710</td>
<td>Issues in Social Psychology or PSYC 622 Personality Theories and Research</td>
<td></td>
</tr>
<tr>
<td>V. Cognitive-Affective Bases</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 6330</td>
<td>Cognitive Development or PSYC 637 Cognition and Affect</td>
<td></td>
</tr>
<tr>
<td>VI. Methodological Bases</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>PSYC 6802</td>
<td>Introduction to Psychology Statistics w/ Lab</td>
<td></td>
</tr>
<tr>
<td>PSYC 6830</td>
<td>Psychology Research Methodology</td>
<td></td>
</tr>
<tr>
<td>PSYC 7804</td>
<td>Regression with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYC 7816</td>
<td>Introduction to Multivariate Analysis</td>
<td></td>
</tr>
<tr>
<td>PSYC 7965</td>
<td>Experimental Design</td>
<td></td>
</tr>
</tbody>
</table>

B. Psychometrics & Quantitative Psychology Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Statistics &amp; Research Core Courses</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>PSYC 7806</td>
<td>Multidimensional Scaling</td>
<td></td>
</tr>
<tr>
<td>PSYC 7821</td>
<td>Advanced Multivariate Analysis for Psychology</td>
<td></td>
</tr>
<tr>
<td>PSYC 7827</td>
<td>Models of Decision and Choice</td>
<td></td>
</tr>
<tr>
<td>PSYC 7830</td>
<td>Structural Equation Modeling</td>
<td></td>
</tr>
<tr>
<td>PSYC 7850</td>
<td>Hierarchical Linear Models</td>
<td></td>
</tr>
<tr>
<td>PSYC 7920</td>
<td>Item Response Theory</td>
<td></td>
</tr>
<tr>
<td>PSYC 7940</td>
<td>Bayesian Statistics</td>
<td></td>
</tr>
<tr>
<td>PSYC 7950</td>
<td>Correspondence Analysis</td>
<td></td>
</tr>
</tbody>
</table>

If the student takes all eight courses, the extra course will be counted towards Supplemental Courses

II. Supplemental Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 5100</td>
<td>Psychometric Theory</td>
<td></td>
</tr>
<tr>
<td>PSYC 6106</td>
<td>Cognitive Assessment with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYC 6119</td>
<td>Personality Assessment with Lab</td>
<td></td>
</tr>
<tr>
<td>PSYC 7811</td>
<td>Missing Data Analysis</td>
<td></td>
</tr>
<tr>
<td>PSYC 7812</td>
<td>Factor Analysis</td>
<td></td>
</tr>
</tbody>
</table>

C. Department-Wide Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Seminars</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>For 1st - 5th semesters:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 8013</td>
<td>Psychometric Topics Seminar I</td>
<td></td>
</tr>
<tr>
<td>6th semester:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 8014</td>
<td>Psychometric Topics Seminar II</td>
<td></td>
</tr>
<tr>
<td>II. Colloquium</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For 6 Semesters:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 8025</td>
<td>Research Colloquium</td>
<td></td>
</tr>
<tr>
<td>III. Research Practicum MA Thesis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC 8050</td>
<td>Pre-Doctoral Thesis</td>
<td></td>
</tr>
<tr>
<td>or PSYC 804 Independent Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV. PhD Comprehensive Exam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC 0930</td>
<td>Psychology Doctoral Comprehensive Examination</td>
<td></td>
</tr>
<tr>
<td>V. Proposal Acceptance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC 0960</td>
<td>Proposal Acceptance</td>
<td></td>
</tr>
<tr>
<td>VI. Dissertation Mentoring</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC 0970</td>
<td>Dissertation Mentoring-Psychology</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 81

1. More information about the Comprehensive Examination can be found on the information page on the Fordham website.