Quantitative Analysis and Symbolic Reasoning
Students will interpret, calculate, analyze, and clearly communicate quantitative information using mathematical, statistical, or symbolic reasoning to solve complex problems.

Outcome: Research Methods
Understand and apply basic research methods in psychology, including research design, data analysis, and interpretation.

Measure: PSY 2200: Research Methods in Psychology research reports

Program level Direct - Student Artifact

Details/Description: Copies of student group research reports will be reviewed by two faculty members & assessed using a modified APA research methods rubric, which includes levels for Basic, Developing, & Advanced over 10 outcome areas.

Acceptable Target: While this is not a capstone course, students are expected to complete a full research project – including data collection & analysis – by the end of the course. The acceptable target is an average of 70% at the Advanced level.

Ideal Target: The ideal target is an average of 80% at the Advanced level.

Implementation Plan (timeline): Assessments to be completed by the end of Fall 2018 semester.

Key/Responsible Personnel: Douglas Hall, faculty review chair, & one additional faculty member, other than the instructor.

Supporting Attachments:
Summary of Findings:
The group research report assignment assessed for this learning outcome reached 80% at the Advanced level across all of the rubric criteria used – exceeding the target of 70%. However, three criteria (Participant selection/assignment, Design quality, & Statistical significance) did not meet the acceptable target.

Following are the percent assessed at the Advanced level for each rubric criterion:
Scientific method: 100%
General research methods: 100%
Research elements: 83% (other 14% rated at Developing)
Participant selection & assignment: 33% (other 77% rated at Developing)
Design quality (internal validity): 50% (other 50% rated at Developing)
Generalization (external validity): 83% (other 14% rated at Developing)
Reporting research findings: 100%
Research ethics: 100%
Database skills: 100%
Statistical significance: 50% (other 50% rated at Developing)

Results:
Acceptable Target Achievement: Exceeded; Ideal Target Achievement: Exceeded

Recommendations:
Overall target of 70% at Advanced level was exceeded for this assessment, although some individual criteria did not reach that level. Not all students elect for a research project at the Capstone level, but it may be worthwhile to assess student artifacts at that higher target.
Reflections/Notes:
If department faculty deem assessing this PLO at a higher target level, the Capstone course of Research Seminar would support this review in the future.

These Findings are associated with the following Actions:

Comparison to Capstone level research projects (Action Plan; 2015-2016 Assessment Cycle)

Action details: The overall average of the criteria met or exceeded the acceptable target. These results may be compared to research projects completed at the Capstone level.

Implementation Plan (timeline):
Further assessment focused of this PLO at the Capstone level may be considered in the future.
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<thead>
<tr>
<th>Key/Responsible Personnel: Joanna Pashdag, program review chair, &amp; other PSY faculty</th>
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<tbody>
<tr>
<td>Measures: Student learning artifacts, particularly research papers</td>
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<tr>
<td>Budget approval required? (describe): n/a</td>
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<td>Budget request amount: $0.00</td>
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<td>Priority: Low</td>
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<th>Supporting Attachments:</th>
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**Overall Recommendations**

No text specified

**Overall Reflection**

No text specified