IPE GUIDELINES ON CREATING LEARNING OBJECTIVES

These Guidelines have been developed to assist in the creation of learning objectives for a proposed IPE event.

**Step 1:** Describe the information, skills, behaviours, or perspectives participants in the session will acquire through attendance and participation

**Step 2:** Clearly identify the outcomes or actions participants can expect to demonstrate as a result of the educational experiences. See the list of action words, below.

**Step 3:** Write the learning objectives that relate to these outcomes and that reflect the content of the session. Objectives describe the behaviour of the learner and:

- Are stated clearly
- Define or describe an action
- Are measurable, in terms of time, space, amount, and/or frequency.

<table>
<thead>
<tr>
<th>Domain</th>
<th>Emphasis</th>
<th>Relevant Verbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cognitive</td>
<td>Knowledge</td>
<td>Recall, identify, recognize, acquire, distinguish, state, define, name, list, label, reproduce, order</td>
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<tr>
<td>Cognitive</td>
<td>Comprehension</td>
<td>Translate, extrapolate, convert, interpret, abstract, transform, select, indicate, illustrate, represent, formulate, explain, classify, comprehend</td>
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<tr>
<td>Cognitive</td>
<td>Application</td>
<td>Apply, sequence, carry out, solve, prepare, operate, generalize, plan, repair, explain, predict, demonstrate, instruct, compute, use, perform, implement, employ, solve</td>
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<tr>
<td>Cognitive</td>
<td>Analysis</td>
<td>Analyze, estimate, compare, observe, detect, classify, discover, discriminate, explore, distinguish, catalog, investigate, breakdown, order, determine, differentiate, dissect, contrast, examine, interpret</td>
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<tr>
<td>Cognitive</td>
<td>Synthesis</td>
<td>Write, plan, integrate, formulate, propose, specify, produce, organize, theorize, design, build, systematize, combine, summarize, restate, argue, discuss, derive, relate, generalize, conclude, produce</td>
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<tr>
<td>Cognitive</td>
<td>Evaluation</td>
<td>Evaluate, verify, assess, test, judge, rank, measure, appraise, select, check, judge, justify, evaluate, determine, support, defend, criticize, weigh, assess</td>
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<td>Affective</td>
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<td>Agree, avoid, support, participate, cooperate, praise, help, offer, join</td>
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<tr>
<td>Psychomotor</td>
<td></td>
<td>Adjust, repair, taste, bend, measure, perform, operate, use, move</td>
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</table>

**AVOID:** verbs that are difficult to measure objectively. The following verbs are difficult to assess, thus should be used with caution:

- Know
- Comprehend
- Gain knowledge of
- Understand
- Familiarize
- Study
- Cover
- Learn
- Be aware
- Become acquainted with
- Realize
Review Checklist:

- Does the learning objective stem from a course goal or objective?
- Is the learning objective measurable?
- Does the learning objective target one specific aspect of expected performance?
- Is the learning objective student-centred?
- Does the learning objective utilize an effective, action verb that targets the desired level of performance?
- Do learning objectives measure a range of educational outcomes?
- Does the learning objective match instructional activities and assessment?
- Does the learning objective specify appropriate conditions for performance?
- Is the learning objective written in terms of observable, behavioral outcomes?


Park University Faculty Development Quick Tips.