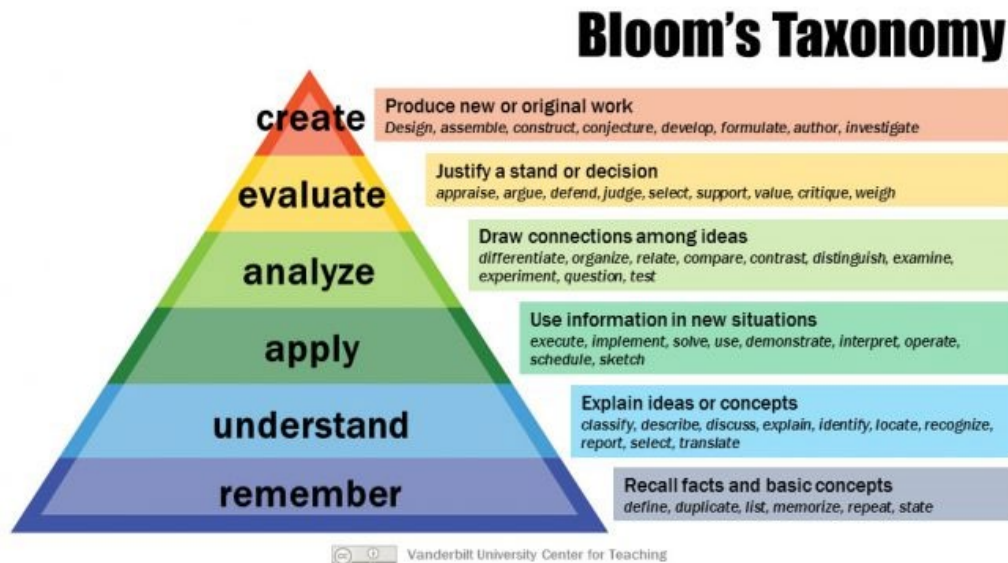


Quick Introduction into Synthesis

Bloom's Taxonomy is a framework that many educators use to structure student learning. Synthesis is the highest level on Bloom's Taxonomy. If you were to look at your Plan of Study, all of your courses should lead you to a synthesis capstone project such as Senior Design.



While synthesis is difficult, it is nonetheless achievable by anyone at any time if one knows how to develop it. Synthesis is what happens when two or more sources combine in a meaningful way to back up an author's own point or counterargument. During synthesis, you will be creating new knowledge out of old. Synthesis is not focusing on one idea and using other ideas to compare and contrast. Synthesis is not a summary either. Below are links to resources that can help you understand what synthesis is:

Introduction to Summarize and Synthesize

<https://readingrecovery.clemson.edu/summarize-and-synthesize/>

How to Write a Synthesis Essay

<https://www.youtube.com/watch?v=XY-TAPfsoJU&feature=youtu.be>

Strategies for Synthesis

<https://www.youtube.com/watch?v=c7HtCHtQ9w0&feature=youtu.be>

Synthesis does not have to be a written report. This link provides a video playlist of synthesis videos made by graduate students in Engineering Education at Purdue University on the subject of what engineering education means to them:

<https://www.youtube.com/playlist?list=PL841ECAED68149FD0>