

SYSTEMS DESIGN ENGINEERING

Systems Thinking Epistemology

SYDE 760 - Topic 2 (Held With :ERS 675)

WINTER

This course explores Systems Thinking and its implications for Design and Problem Solving. We will begin by reviewing the basic ideas of a "systems approach". Then we will explore the various schools of thought about systems and its applications. This will be followed by an examination of complex systems thinking. Particular emphasis will be placed on Methodologies for engineering Design and Problem Solving. Guest speakers who will address both epistemological and application issues will be invited to the class. Students will undertake research of an area and present their findings in class.

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