

SCOPE OF INDE499B

The scope of this class involves the interaction of three elements: (1) the general topic of information systems, (2) the industrial engineering discipline and (3) the needed skills of graduating engineers. Please develop a picture or diagram that captures this relationship as you understand it.

Why?

1. Different angle on objectives/topics
2. Address student questions
 - How class is different from Business/CS I.S.
 - How important is class to IE?
3. Get students to ask/find questions.

Expectations?

- Not necessarily right/wrong
 - Instead more or less useful for problem, understanding scope of INDE499B
- Different models -- different strengths
 - Good if illustrates point / question
- Success
 - You understand how IS, IE, Engr are related
 - You have questions related to course!

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How to proceed

1. Group Formation -- count off 1 to 7
2. Group Selection/Justification of Models
 - a. Share models (describe to each other)
 - b. Select **one model** to share with class
 - c. Develop a **minute justification** of what model illustrates (1-2 sentences)
 - d. Select group representative (reps)
3. Class Presentation of Models
 - a. Reps draw models
 - b. Reps give minute justification
4. Discussion
 - What themes in all? In some?
 - What strengths for what models?
 - What insights into class?
5. Summary

Thinking about the Scope of INDE499B

The Problem Statement: The scope of this class involves the interaction of three elements: (1) the general topic of information systems, (2) the industrial engineering discipline and (3) the needed skills of graduating engineers. Please develop a picture or diagram that captures this relationship as you understand it.

A Solution: A possible solution is given in the diagram below:

- Understanding the “solution”: Information systems, with at least three sub-areas, is a subject learned by industrial engineers. Industrial engineering, which focuses on specific types of problems, is a type of general engineering, which implies specific skills of the engineer.
- Using the “solution”: Imagine the different wheels can spin/move. Then, places where three elements line up can be “read” and used to think of issues/generate questions. For example, one could align Ethical responsibility, manufacturing, and getting information in and out – and then think about what issues exist at such an intersection.

