

The schedule for IHE 677 Fall 2009 will be dynamic in that a variety of topics will be discussed depending on the experience level and knowledge base of the students. In general, short to-the-point foundational lectures will be used to introduce concepts and provide overall guidance. Case studies will be used as the basis for various exercises and projects. The exercises and projects will incorporate three primary process analysis tools: MS Excel, MS Visio, and Rockwell ARENA. Sometimes, only one of the tools will be employed; for other scenarios, all three tools may be used to provide a broad range of ideas and possible solutions. As in all engineering and management solutions, there is never only one “correct solution” but rather a collection of acceptable approaches, each with its own design trade-offs of costs, schedules, performance, and benefits/penalties. Hopefully, the **Systems and Process Analysis** course will provide each student with an array of modern tools for solving myriad problems encountered by industrial systems engineers in planning, scheduling, servicing, manufacturing, warehousing, and transporting activities.

Please refer to the IHE 677 Syllabus for important dates regarding *Last Day to Drop Classes*, *Veterans Day Holiday*, *Last day of Class*, and *Final Exam Dates & Time* and to the *Instructional Philosophy* handout for information and guidance regarding the conduct of the class.