Class Schedule

2/22 - Planing, Metaphase
2/24 - Metaphase cont.
2/29 - XML - suggested Projects and Lit. Rev. are due.
3/2 - Midterm. , approval and or correction to the 
suggested Projects and Lit. Rev are sent by email.

-------- spring break--------
4/4 - literature review & project progress review
4/6 - literature review & project progress review
4/11-4/20 , NO CLASS
4/25 - Project and Literature Review are due by 5 pm 
at 500 Tech parkway second floor - deliver to Melissa Baker
Midterm Exam
- In depth issues:
  Case study data capturing - Process (IDEF0),
  data modeling (IDEF1X, EER, EXPRESS, EXPRESS-G) SQL.
- General subjects - PDM, UML, XML, Metaphase

Final Projects and Lit. Rev.
- Progress report for the projects and the lit. rev.
  3-4 slides - for 5,6 minutes

Guest speakers.
- 4 to 5 lectures after the midterm subjects - cutting edge enterprise integration.
HW assignments - mandatory for these lectures
Literature Survey

- ~20 pages single space (font size-12)
- Identify sources by pointers in the text

- STEP implementation - Survey
- Information systems role in supply chain integration
- Compare and assess PDM systems
- PDM systems implementation
- ERP systems compare and assess
- OO data modeling Techniques - the past 2,3 years compare and assess
- Advances in data mining - particularly with respect to implementations in Engineering and Commerce
- XML implementations for integrating engineering enterprises
- XML implementations for E-commerce
Final Projects

- 2 to 4 students to work with metaphase special project
  (if you choose this option, please provide and alternative)

- Suggest an engineering case study
- Illustrate the case study with 3-5 scenarios
- Specify requirements list that you forecast the database
  implementation should fulfill
- Process model - IDEF0
- Data model - choose one of EER or IDEF1X
- Data model EXPRESS focus on the constraints representation
- Oracle implantation
- Adequate table coverage for the case study with a set of
  representative queries that will show relevancy to the scenarios
- A report that analyze and conclude your work