IE 517, Project work

For the term project, the students should work in teams of two students. If you cannot find a teammate, please contact me as soon as possible. You should send me an email indicating team members before April 2.

There are two options:

1. Preparing a detailed and up-to-date literature review on a specific research area (for instance *dynamic lot sizing models for product recovery*, or *logistics network design for closed-loop supply chains*) on Closed-Loop Supply Chain Management. At least 10 papers should be reviewed.

2. Preparing the first draft of an academic paper on any issue on Closed-Loop Supply Chain Management.

For student teams with at least one PhD student, only option 2 is available.
All teams are supposed to submit 3 reports:

1. **Project Proposal** (Due: April 16 (9:40))

   Option 1: Submit a list of candidate topics. Your report should not exceed 3 pages.

   Option 2: Submit a list of research issues and relevant research questions. While introducing the research questions, define the associated environment as much as possible. Your report should not exceed 5 pages.

2. **Progress Report** (Due: May 7 (9:40))

   Option 1: Submit a list of journal articles that you will review. If it is possible make a classification.

   Option 2: Prepare a report on your progress. You are expected to complete an initial literature review to shape your research paper. Revise your initial issue and questions (if needed), and position your study in the current literature. Summarize your progress in a report not exceeding 10 pages. Your report should include

   - The main aim of your study
   - A brief review of related literature

- Environmental setting and the problem definition
- Initial modeling and analysis efforts
- Research plan

3. **Final Report** (Due: June 4 (9:40))

   Option 1: The report should include the review of studies, existing gaps and shortcomings, and possible further research topics. Submit a report not exceeding 20 pages.

   Option 2: You are expected to submit a report including the revised version of the progress report and the following,

   - the model
   - the analysis of the model
   - initial computational results
   - conclusions /possible extensions of your work.

   Submit a report not exceeding 25 pages.