Department of Computer Engineering, Kasetsart University

KE&MII
Class Activity I: Ontology Design

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Activity

- Design the ontology that can answer the following competency questions
  - What is the room of a particular class?
  - Are the rooms of these two classes in the same building?
  - Who teach this class?
  - What is the office of the professor who teaches this class?
  - How many students can register for this class?
  - What is the schedule of this class? (day of week & time)
  - Is there any other class that must be passed before register for this class?
  - Is this class a selective subject in my curriculum?
  - Is this class a mandatory subject in my curriculum?

- Define classes in hierarchy
  - Room
    - ClassRoom
      - SlopeRoom
      - NormalRoom
      - LabRoom
    - OfficeRoom
      - AdministatorRoom
      - ProfessorRoom
    - UtilityRoom
      - …

- Define properties of each class
  - Room
    - Name: <string>
    - LocatedIn: Building
  - Classroom
    - SeatNum: <positive integer>
  - …