

## CS4400 Project Phase I

### Grading Criteria

#### ER Diagram (60 points)

- Missing entity type or relationship type (-3 for each entity / relationship type)
- Missing or misplaced or redundant attribute (-1 per entity)--- if multiple attributes are missed for an entity then it is still -1
- Missing or incorrect cardinality constraint (-1)
- Missing or incorrect participation constraint (-2) (If participation is wrong on both sides of the relationship otherwise -1 or 0)
- Missing or incorrect key or partial key (-1)
- Missing or incorrect identifying relationship (for weak entities) (-2)
- Incorrect ER Notation (-2) (Count only once in the diagram)
- Unnecessary / Redundant relationship or entity types (-1 for each entity / relationship type)
- Incorrect weak entity types (should be strong) (-1)
- Entity denoted as an attribute (-2)

#### Information Flow Diagram (30)

- Missing task (-2)
- Incorrect arrow direction (-1) (Count only once for a task and corresponding document)
- Missing arrows (-1)
- Missing/incorrect document (-1)
- Don't deduct for extra documents/tasks
- Don't deduct if they forgot the system boundary—lightly draw it in

#### Semantic Constraints (10 points)

- 2 points per constraint listed on grading sheet – any additional constraints are okay