

COMP 1100 In-Class Assignment – 01 ER Models

Names	Date
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CSE 100 Introduction to Computing Technology U 3

Section	Instructor	Days & Times	Room
0010-LEC (11715)	JIEDAN ZHU	TuTh 11:30AM-12:48PM	DL0305
Section	Instructor	Days & Times	Room
0020-LEC (11716)	MICHAEL COMPTON	ARR	
Section	Instructor	Days & Times	Room
0030-LEC (11717)	YANZHANG HE	TuTh 5:30PM-6:48PM	DL0305

CSE 101 Computer-Assisted Problem Solving U 4

Section	Instructor	Days & Times	Room
0011-LEC (11719)	MATTHEW JOSEPH BOGGUS	TuTh 09:30AM-10:48AM	DL0357
0010-LAB (11718)	MATTHEW JOSEPH BOGGUS	Fr 08:30AM-10:18AM	CL0112A
Section	Instructor	Days & Times	Room
0021-LEC (11721)	JACOB EMIL MAINZER	TuTh 11:00AM-12:18PM	DL0357
0020-LAB (11720)	JACOB EMIL MAINZER	Fr 10:30AM-12:18PM	CL0112A

Consider a university database that maintains section offerings of courses. There may be multiple sections per course and each section may be taught by a different instructor.

1. Informally identify all of the entities and relationships that that this database will require. For each entity and each relationship, make sure you identify **any and all** attributes that entity has. **MAKE SURE YOU IDENTIFY ALL ATTRIBUTES BEING USED HERE.** The database represented by your diagram should be able to create this entire report. Every element of this report is meaningful and significant. **If you don't know what something means in the report above, ASK.** Use the rest of this page to write your answers. (5 points)

2. Create an ER diagram for such a database that would be able to generate a report like that above. (5 points)
 - a. Make sure you have identified keys, and in the case of weak entities partial keys (if applicable)
 - b. Make sure room information is not duplicated across multiple entities
 - c. Make sure to show all cardinality and participation
 - d. Make sure you can track instructor first name, last name and middle name separately