INTRODUCTION TO DATABASES

CS3319, CS3120, DH3220, MDA9159 – WESTERN UNIVERSITY

FIRST CLASS

THIS IS A **BLENDED** COURSE!

INTRODUCTION TO HOW THIS COURSE WILL WORK

STUDENT OBJECTIVES

- Upon completion of this video, you will know:
  - How you will get your grades
  - Which classes you must attend
  - When the quizzes will be held
  - What will happen at the flipped classes
  - That you must pick a group of 3 students and sign your group up in owl
  - What your group will be doing over the next 12 weeks

EVERYTHING IS IN OWL

- Click on Week By Week

- http://owl.uwo.ca

INTEGRITY QUIZ

- You must get 100% on the Integrity Quiz before any of the course material will open

- You get unlimited tries and time to complete the integrity quiz.

- If you are stuck on a question, just email me and I will give you a hint.

- Go to Week 0 OR Test & Quizzes in Owl to see it.

NO IN-PERSON LECTURES!

- You watch videos, for example:
http://www.csd.uwo.ca/~lreid/blendedcs3319/videolectures/week1/ERdiagramsPart1_edit/ERdiagramsPart1_edit.html

- I tried to keep them short but some are long ☹

- The first 2 or 3 videos are boring and the last two topics are boring (week 1 and week 9 and 10 aren't the most exciting but the rest of the weeks are GREAT ☺)

MARKS FOR THIS COURSE

3 INDIVIDUAL Assignments:

Assignment 1 – 9% - Friday Oct 6

Assignment 2 – 11% - Friday Oct 27

Assignment 3 – 16% - Friday Nov 24

These are the only 3 things that are allowed to be late (5% per day up to 3 days late)

Peer Marking of the 3 Assignments – CANNOT BE LATE!

Virtual Machine Setup – 1% - Wed Oct 11

PHP Setup – 1% - Sun Oct 22

5 INDIVIDUAL Owl Quizzes – 12% (each worth 3%) always on the Monday class time before a flipped classroom (10am to Noon, you get 30 minutes once you start)

5 Flipped Classrooms – 10% (2% each) on Tuesdays → Sept 19, Oct 3, Oct 17, Nov 7, Nov 22 – MANDATORY! You will work in groups.

Final Exam – 40% Must get over 30% on exam to pass the course and at least 40% to get a 60 in the course.

GROUPS

- You can pick your own groups, you must sign up in OWL for a group. Groups must be of size 3.
  - MDA students MUST group with other MDA students.
- In Owl go to Site Info> Groups you can join.
- If you are joining with a friend, make sure you pick the same group.
- You MUST be in a group by Sept 15 otherwise I will PUT you in a group and you can't switch.
- I think you can remove yourself from a group but remember that I will assign you to one if you have not done so by Sept 15
- If you and a friend just have 2 people, sign up and then maybe a 3rd person will join you.
- Your group will be used ONLY for flipped classrooms.

FLIPPED CLASSROOMS

- You will sit by your group and work on a worksheet as a group.

- Then we will switch papers and mark it.

- Then you will take a picture of the paper with your phone and upload it to the flipped classroom assignment in owl. In the owl textbox, you will type the names of the people in your group who showed up.

- You get 1% for coming and working

- You get up to another 1% based on your work in the flipped classroom

- Bring a pencil and paper for flipped 1 and 2.

- For flipped 3, 4 and 5 at LEAST one person in your group needs to bring a laptop

QUIZZES

- PURPOSE:
  - 1. So that you don't just leave the lecture video till the last minute or blow them off, to keep you watching them every week
  - 2. During the flipped classrooms, you do group work so the quizzes make sure you are prepared for your group.
- Worth 12% (3% each)
- I will drop your lowest quiz
- Multiple choice and fill in the blank
- Usually about 30 minutes long
- Open from 10am till Noon (during class time)
- Always during the time of our Monday class BEFORE a flipped classroom
- Based on the previous 2 weeks of videos, e.g. Quiz 1 will be based on videos for week 1 and week 2.

FINAL EXAM

- Worth 40%

- Must get over 30% to pass

- About 2/3 multiple choice

- 1/3 written answer

- You may bring a 8.5 by 11 inch review sheet with writing on both sides (hand writing or typed)

ASSIGNMENTS

- 3 Assignments:
  - 1 – Draw an ER diagram and a B+ tree
  - 2 – Write and test some SQL queries and draw an ER diagram
  - 3 – Write PHP code that connects to your assignment 2 databases and does simple things like insert, delete and run a query.

- TRYING IT FOR ANOTHER YEAR – PEER MARKING!
  - 20% of each of your assignment marks will be based on peer marking
  - You will be assigned 5-6 other students to mark (I give you the rubric)
  - Based on how well you mark, you will get 10% of your grade
  - Based on how well your peers think you marked, you will get 5%
  - Based on checking your peers, you will get 5%.
  - Kritik.io (costs 20 dollars, you MUST make this purchase!)
  - You get 3 days to peer mark (I will give solutions)
  - You get 1 day to read over your marks
  - CANNOT BE LATE!

ASSIGNMENTS…NEW LAST YEAR

- Late coupons!
  - You get THREE late coupons for the whole year
  - You can only use them on the creation portion of the assignment (not on the peer marking)
  - You can use all three on the first assignment if you want but then you will have none left for assignments 2 and 3
  - You don't ever have to use them, they are just a backup if you are swamped.
  - To use one go to Owl>Tests & Quizzes and you can enter the number you want to use there.
  - I wIl try to keep the number you have left up to date in Owl in Gradebook
  - If it is day 1 late or day 2 late and you are only a few minutes late, you might not want to use it.

NEXT STEPS...

- Watch the videos for Week 1 and Week 2 AS SOON AS POSSIBLE (first quiz is MONDAY, SEPT 18 at 10AM!)

- Make notes while watching the videos so that you are prepared for Quiz 1

- Find 2 other people to form a group with in Owl OR just start a group of 1 and people can join you. MDA students can only go in the first few groups.

- You do not have to come to class to do your quiz. The room will be free.

- You do not have to come to class until Tuesday, Sept 19th ! After that, we have in-person classes every 2 weeks.

ANY QUESTIONS?

- I have a HORRIBLE memory → Say hi to me and tell me you are in this class!