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# CSCI-365.01 Database Capstone I (CP) FA2018

Dashboard ► Autocreated ► 2018-20 ► CSCI-365.01 FA2018

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Please visit the Moodle Help course if you have any questions about working in Moodle.  
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decide ADbC exercises to use and if assignments, in-class or honor system



Announcements



Course information/syllabus book



Student question forum



OED technology resources



DB information resources



Information on using lab Linux box



Input weekly project work by each Saturday



Attendance



Attendance polling

For entering attendance each day. You will click on the link to record you are here by entering the code provided.

Sandeep will have TA hours to help with the OED project on Tuesdays 7:00 pm to 9:30 pm in the CS Lab (SC 211). You can also contact him for other times if you cannot make that time.

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introduction slides

Wed: Introduction/discussion of OED



Wed: sign CLA for OED



Wed: watch video overviewing DBMS ideas (Introduction to Databases)

If you ever don't get to a video then try clicking "EXPLORE COURSE" and accept terms. Then click on the video you want.



OED intro slides

Fri: Discuss outstanding OED work to get idea of what can work on and to clean up



Fri: watch video overviewing DBMS querying (Querying Relational Databases)

## 3 September - 9 September

OED project technologies



Mon: watch video overviewing relational model (The Relational Model)

## 10 September - 16 September

OED project technologies



Mon: Read article on documenting

## 17 September - 23 September

OED project technologies, begin DB study



DB normalization reading



DB basics &amp; normalization slides

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## 24 September - 30 September

Wed: Setting up the OED development environment on personal machines (bring your own laptops)



Wed: watch video overviewing relational algebra (Select, Project, Join)



Wed: watch video overviewing more relational algebra (optional) (Set operators, renaming, notation)

Fri: ER, read ch. 2 of DB book



ER slides

## 1 October - 7 October

Mon: Visit by City of Beloit property people

Wed., Oct. 3: No class due to Steve at a conference.

## 8 October - 14 October



City property data - part 1 HISTORICAL



City property data - part 1



SQL assignment description #1



Turn in solution to SQL practice assignment #1



3 SQL problems

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-  SQL queries script from class
-  visual SQL solution commands

- Mon: SQL - ch. 5 through 5.6 of the DB book (starting now)
-  Mon: watch video overviewing SQL (SQL Introduction)
  -  Mon: watch video overviewing SQL SELECT statement (Basic SELECT Statement)
  -  Wed: watch video overviewing SQL table variables & set operators
- Fri, Oct. 7: No class - enjoy break

## 15 October - 21 October



Fall break: no class this week

## 22 October - 28 October

-  Mon: watch video overviewing subqueries in WHERE clause
  -  Mon: watch video overviewing subqueries in FROM & SELECT clauses
  -  Wed: watch video overviewing JOIN operators (The JOIN family of operators)
- Wed: City ER diagram discussion
-  City property assignment #2 description
  -  ER diagrams from teams
  -  Turn in progress report for city property assignment #2

Friday, 10/26: LAPC "Building Your Mentor Network" discussion with Jessica Fox-Wilson, head of Career Services

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-  Read: 5 Ways to Cultivate Meaningful Relationships at Work
-  Read: Networking advice for young minorities (40 minute podcast)

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## 29 October - 4 November

-  Mon: watch video overviewing aggregation
-  SQL assignment description #2
-  Turn in solution to SQL practice assignment #2
- Wed., Oct 31: Advising Practicum - no class
-  Fri: watch video overviewing NULL values
-  Fri: watch video overviewing data modification statements

## 5 November - 11 November

-  first exam: Monday, Nov. 5 through group by/having)
-  first exam sample questions
- Relational model
-  Relational model slides
- Friday, 11/9: LAPC "The Job Search as a Process" discussion with Jessica Fox-Wilson, head of Career Services
-  Read: Graduating Soon? Here's How to Kick Off Your Job Search



Read: 12+ Ways Job Applications Discriminate Against Applicants



Read: Job Search Packet

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## 12 November - 18 November

Wed., Nov. 14: International Symposium - no class

## 19 November - 25 November

Tree index (ISAM, B+-trees)



Tree slides

Wed., Nov. 21: no class - enjoy break

Fri., Nov. 23: Thanksgiving break - no class

## 26 November - 2 December

Wed: City of Beloit visit to discuss results

## 3 December - 9 December

External hashing (if time)

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# 10 December - 16 December

-  Fri., Dec. 14 from 2-5: Final exam
-  final exam sample questions
-  Final course survey
-  Project score

 Moodle Docs for this page

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