

# CS 4750-001 Database Systems - Spring 2013

ENGR (21085)

INSTRUCTORS: Sherriff, Mark (mss2x)

Respondents: 63 / Enrollment: 69

Summary: CS 4750-001 Database Systems - Spring 2013 (21085)	
<b>Overall Course Rating</b> CS-4750-001 Mean 4.06 CS-4750-001 Std Dev 0.85 CS-4750-001 Response Count 312	<b>Overall Instructor Rating</b> INSTRUCTOR: Sherriff, Mark Mean 4.35 Std Dev 0.69 Response Count 439
Difference from Category Mean, Expressed in Category Standard Deviations 	Difference from Category Mean, Expressed in Category Standard Deviations 
SEAS, 4000-level courses Mean 4.15 SEAS, 4000-level courses Std Dev 0.88 SEAS, 4000-level courses Response Count 7666	SEAS, 4000-level courses Mean 4.27 SEAS, 4000-level courses Std Dev 0.89 SEAS, 4000-level courses Response Count 11021

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~																																																
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<p><b>3. Which topic/lecture in this course was your favorite and why?</b></p> <p>Question Type: Short Answer</p> <p>contributed by Sherriff, Mark (mss2x)</p>	<table border="1"> <thead> <tr> <th colspan="2">Results for CS-4750-001, Sherriff, Mark</th> </tr> <tr> <th>Total</th> <th>Individual Answers</th> </tr> </thead> <tbody> <tr> <td>57</td> <td>See below for Individual Results</td> </tr> </tbody> </table> <p>The PHP lecture. This was my favorite Sherriff lecture of all time (and thus my favorite lecture of all time). I love the characterization of PHP as a bro. "You want to return an int, then a String, then an array? Awww, its cool bro". "&lt;?PHP"</p> <p>Database System Architectures just because it explored the alternatives of design and that each type of database has its own advantages and disadvantages.</p> <p>The one I liked the most was probably the RAID lecture, I learned about it in computer architecture but never really understood the application of it.</p> <p>I liked talking about indexing, but it gave a feeling for how DBMSs actually work under the covers.</p> <p>The lecture on security. I like the SQL injection exercise we did, and from this lecture the importance of making application secure.</p> <p>Database injection. Interesting.</p> <p>The lecture where we were given an in-class assignment to crack into a dummy database.</p>	Results for CS-4750-001, Sherriff, Mark		Total	Individual Answers	57	See below for Individual Results																																										
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I really liked when we did the SQL injection class where we tried to get information from the website you set up. It was interactive and fun.

Use of Cloud Tech (amazon demo)

I liked working with MySQL on phpmyadmin since it was fun and actually helped me learn more about MySQL.

The one on hacking because it was fun to learn basic hacking techniques and be able to practice it.

Developing a webpage was particularly useful because its a very practical skill to develop.

Advanced SQL because I can see it being very helpful in the future

My favorite topic was the Relational Algebra topic. The examples we did in class were at a good difficulty level to get me comfortable with the concepts.

Probably security because I didn't know as much of that going in as I did about some of the other topics.

The theory behind SQL queries

My favorite lecture was the one about data disk storage devices and levels of raid. I thought that the material was very interesting and something I didn't expect to learn as a part of taking this course.

Learning SQL queries was my favorite topic. It was practical knowledge and helped me very much with my final project.

SQL

Learning SQL and database security.

Learning about BCNF and F+

N/A

mysql - useful

Learning how to do SQL queries was pretty cool and really useful. The project was great because I taught myself a lot of PHP.

DB Interfacing

ACID to BASE Because it illustrates the changes caused by distributed databases overtime

I liked distributed DBs b/c it was relevant to things going on right now in the world of tech

I liked SQL and DB interface because it was immediately applicable, and I like the ideas of the distributed databases lectures because they seem very relevant to how things work nowadays.

The general SQL query stuff, it's extremely useful and I like having that skill-set. It's proven extremely useful in SLP, and I've done some pretty cool stuff with what I learned for the SLP project.

I really liked SQL and relational algebra more than anything else. I guess I liked the instant satisfaction of having an SQL query work, and the more complicated problems seemed like fun puzzles.

Security, since it was entertaining and useful.

NoSQL. I feel like more and more the relational data model is not right for modeling the real world.

I liked learning about how to prove your db was in 3rd normal form or BCNF because it showed there was a way to prove your design was efficient instead of just going on faith like many other topics.

Distributed databases. It was interesting to see all the tradeoffs and design decisions.

Distributed databases, because it seems very important nowadays with all these large businesses with tons of data.

Relational algebra - I already had some knowledge of SQL so seeing it was interesting to see how the relational algebra related to the queries. It also helped with learning the more advanced queries later in the semester.

database security

nosql, wish we spend more time. Wish there was a proj requirement to have atleast 1 table in nosql db. Very relevent for employers

Security because we got to hack stuff

Learning about triggers, views, stored queries, etc. because this was something I hadn't known before and found to be incredibly useful.

Database Security and Distributed Databases. These are hot issues right now and will be useful in the future.

SQL because I have had prior experience with using it

Distributed Databases, b/c I learned the most from that one.

Entity-Relationship Model

SQL- I like writing the queries

I enjoyed the lecture on the hardware aspect of databases and discussing the types of server set-ups companies like Google and Amazon have.

I enjoyed working together in groups to make the ER diagrams.

My favorite lecture was the SQL injection one. This was my favorite lecture back in 2110 as well. It's fun!!

The functional dependencies part was the most natural for me.

The lecture with the SQL injection activity, it was a much more interesting way to learn about DB security.

I enjoyed learning the ACID properties and then discussing how distributed databases fell short in some instances. For me, it was the right level of detail and current relevance to be interesting.

relational algebra, because it helped make sense of sql

Definitely learning how to do SQL Queries.

I liked the interactive topics, like RA and SQL and SQL injection attacks

NoSQL databases

SQL queries - useful to see how to get the most information out of the database.

I enjoyed all of it and everything fit well together. I never thought of things as being discrete topics.

**4. Which topic/lecture in this class do you think you will find the most useful in the future?**

~  
Question Type: Short Answer

~  
contributed by Sherriff, Mark (mss2x)

Results for CS-4750-001, Sherriff, Mark	
Total	Individual Answers
58	See below for Individual Results

Probably the distributed part because it is becoming so big commercially.

3rd normal form/BCNF -- how to show your db is a good design

Most likely how to use mySQL.

Storage - all of the hardware stuff. I was not familiar with much of this and really learned a lot of useful things

I liked learning about good DB design, because I've always felt like the tables I was making weren't the best.

We really did not talk too much about how transactions work other than "the spirit" of the subject. It would be cool to learn more about how the database actually schedules parallel queries.

Security measures directly within a DBMS. Triggers, assertions, etc. Considerations of ACID properties.

Normalization

Probably the SQL stuff

Distributed databases

Using several database users with limited privileges to increase security.

learning sql queries and relational algebra

General database design and optimizing structure/queries

I'll be working on SQL Server next year, so the SQL queries unit will definitely come in handy!

SQL

I think the most useful topic in this class is probably a combination of the first semester topics: making the ER diagram, relational algebra and SQL, and all that good stuff!

NoSQL.

SQL topic. The ability to store and retrieve data from a database greatly expands my ability to create with CS.

Nosql databases

Probably the normal forms stuff, I feel like that will be useful in the future for demonstrating that we know and understand good db design. Also, the ER-diagramming/design focus were useful as well.

Not sure, but probably ones where you stressed good practices for databases like ACID and Normal Forms.

The lecture on ER diagram. It is really a good way to help designing the databases, and I think I will use this technique when I design databases in the future.

Security

Database System Architectures

Database System Architectures

Distributed databases lecture.

Advanced SQL

Probably the Design and Normal Forms lectures. If we are to be making databases, it obviously behooves to be making good ones.

SQL queries will be the most useful in the future. I'm starting work at Oracle in September. I know that I will be using sql and queries very often.

ER diagrams/ Normal forms to set up proper databases

General knowledge about MySQL

Practical ways to implement security measures in your database (triggers/asserts/prepared statements/not using the admin user as db user/etc).

Writings SQL queries.

DB interfacing (SQL/XML)

Database security? Hard to say, as I don't know what I'll be doing in the future related to databases.

SQL - I think that most software jobs require knowledge of retrieving data from databases, and SQL taught me how to do so. It was useful to learn how to manipulate and pull specific data out of a database.

I think that security as boring and banal should be continue to be emphasized. Today, we are constantly reminded of the importance of good security measures and how even large, reputable companies can fall short in terms of DB security.

Relational model, SQL,

Probably database security will be the single most important thing we take away from this, beyond how to make a database.

Query and database use in application

preventing sql injection attacks

Writing queries in mySQL

Learning SQL commands

DB design.

MySQL and physical storage media

SQL queries

Developing a webpage..

nosql and distributed db

NoSQL database

Database Security and Distributed Databases.

Completing the project and actually working with a db using php.

NoSQL databases

mysql / php

Knowing which hardware to match with which software.

I fell like the SQL lectures will be the most useful in the future as they will have prepared me for any database systems projects or coding that I will have to do in the future.

SQL queries and database design (E-R diagrams and such)

nosql

Normal Forms

**5. What lecture/topic(s) in this class "did not work" or were not seen as useful in the long run?**

~  
Question Type: Short Answer

~  
contributed by Sherriff, Mark (mss2x)

Results for CS-4750-001, Sherriff, Mark	
Total	Individual Answers
50	See below for Individual Results

Query processing and optimization seemed like the basic idea was "it exists" and didn't really go deep enough for me to do anything with it.

I did not follow anything we did about XML. I have no background in it and I was so confused during the entire discussion of it.

if i had to pick maybe relational algebra but nothing was really un-useful

Relational algebra

Indexing and hashing.

Not sure if I'd use MongoDB or a NoSQL system in the future. Probably, but I guess it was good practice.

Not sure.. All seemed pretty important

mangodb

none

none

The security lecture seemed obvious.

I think that learning the normal forms could be useful, but the way they were taught was too theoretical. When I went to do them in the project it was extremely confusing on what to do because we had only used the A->BCD and I did not know how to convert that to real tables in my database.

breezing through random db's

Functional dependency theory -- its connection to the DB design process wasn't very clear. Applying it to a real schema seemed somewhat subjective, and requiring a lot of foresight on the usage, structure, and information content of the data to be stored.

Nothing.

N/A

N/A

B+ trees

SQL (just kidding); hardware

the XML lecture still doesn't make sense to me.

I did not see the MongoDB class as being very useful to me.

N/A, although the B+ trees section is the area I feel I least understand.

Doing the proofs for the 3NF and BCNF. They are easy, but I don't get their usefulness in real life.

The XML part was useful, but confusing. I didn't find the paper that we read very helpful.

I don't think the B+ trees will be useful in the future.

I didn't really understand the stuff about flat files. I don't think we spent enough time talking about what it actually IS/looks like. Draw me a picture, yo.

I'm not really sure that doing the in-class CouchDB walkthrough was that helpful.

B+ trees. I still don't fully get them, but I also don't see myself ever needing to apply this knowledge.

Functional dependency never got across to me. It feels important, sure, but the connection of the algebraic analysis to the "physical" implementation within a DB never quite made sense to me.

I thought the MongoDB lecture where we tried to set it up and connect was kind of one of those things that was just thrown in, but for me, I didn't find it terribly interesting or useful.

I couldn't get the CouchDB exercise to work on my computer

hardware topic

Relational Algebra XML

I didn't like B+ tree lecture. I don't see myself using too much of this theoretical mishmash in the future.

I would have liked you to have led the mongodb exercise more

I think every topic was interesting/necessary

The indexing/hashing was too much of a review to be super interesting.

File Systems

XML. I didn't really get it or why anyone would use it. Article we read was too bias.

I didn't really see the point of doing a whole lot of information on security. Although it is an important topic to address, especially securing each layer of the database system as a whole, I feel like it was longer than it needed to be.

The hardware lectures at the end of the semester - This material seemed a little rushed and it was difficult to follow along at times.

I didn't think there was one of these.

Normal Forms could have been done better -- just better examples

Indexing.

Nothing sticks out as "not working"

I did not particularly like the theoretical portions of the course. (Normal forms..)

RAID

Normal Forms

I'm not too fond of the in-class work days. I wouldn't mind having those as a short homework instead (like the MongoDB day), and we learn more in depth about the topic in class as a lecture.

need to improve on the bcnf/3nf decomp lectures

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

**6. How accurate is this statement for you if you used the podcasts from this class: Podcasts were useful to catch up on material that I missed due to absences.**

Question Type: Likert

contributed by Sherriff, Mark (mss2x)

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
63	3.75	0.89	8 (12.70%)	21 (33.33%)	12 (19.05%)	2 (3.17%)	1 (1.59%)	19 (30.16%)

Results for SEAS, 4000-level courses								
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**7. How accurate is this statement for you if you used the podcasts from this class: The podcasts were useful to review material that I was unclear on.**

Question Type: Likert

contributed by Sherriff, Mark (mss2x)

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
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**8. How often did you listen to the podcast for a lecture?**

Question Type: Multiple Choice

contributed by Sherriff, Mark (mss2x)

Results for CS-4750-001, Sherriff, Mark						
Total	Every lecture (NA)	Nearly every lecture (NA)	Whenever I needed to review a topic (NA)	Only when I missed a class (NA)	Randomly just to see what it was like (NA)	Never (NA)
63	1 (1.59%)	2 (3.17%)	22 (34.92%)	11 (17.46%)	12 (19.05%)	15 (23.81%)

Results for SEAS, 4000-level courses						
Total	Every lecture (NA)	Nearly every lecture (NA)	Whenever I needed to review a topic (NA)	Only when I missed a class (NA)	Randomly just to see what it was like (NA)	Never (NA)
63	1 (1.59%)	2 (3.17%)	22 (34.92%)	11 (17.46%)	12 (19.05%)	15 (23.81%)

**9. Do you have any suggestions/comments that we should take into account for future projects for this course?**

Question Type: Short Answer

contributed by Sherriff, Mark (mss2x)

Results for CS-4750-001, Sherriff, Mark	
Total	Individual Answers
43	See below for Individual Results

no

It would help to implement more "check ins" like submitting the ER diagram just so there would be more incentive to not wait till the last few weeks to start the project.

Consider having assignments like in Web and Mobile that check your progress on the project would keep students on task

maybe a tutorial of javascript and php

Not really; I liked the project a lot and I liked how self-directed it was, but maybe have a little more guidance during the design phase. It was really difficult to have the early focus of the project be "find 10 tables" instead of "draw an ER diagram that works and gets you to +/- ten tables." The design process for the project seemed backwards vs how we had been learning to design db systems up until then in class.

The project should emphasize less on the application aspect because many students do not have such experiences.

At times I was a little confused about what exactly you wanted -- did you want the application to be presentable, did you only care about the db, etc.

Have more deadlines for components of the project so that people stay more up-to-date with it.

web video instead of podcast.

The project is very interesting

I think the project structure is good as is! Its just difficult because there a lot of fourth years and they just don't want to do it! haha, but thats our fault!

none

None that I can think of.

Make the project check points mandatory! We are students and so procrastinate by default. Make us pay for our laziness!

None

Give more help with ajax/javascript/css

More deadlines. The project was great but there were no real deadlines so it was easy to push aside for work that was due soon.

It always bothers me when projects in the CS department require a lot more backend/overhead to produce a deliverable than the course itself is directly interested in. Yes, it makes sense in the modern setting that a website front-end would be the interface with a DB, but the method of presentation made it seem like that was where most of the importance was placed. I'm sure that isn't the case, with grading involving the DB dump and source code; but I worry that the aesthetics of a website are given more weight than they should.

May want to limit project to just websites.

More guidance on how to get started. I had no web development experience before this course and would have liked and more pointers in the right direction.

I think that you should take into account the people who have never done web development/php or anything like this before. This was my first time and I felt I was at a significant disadvantage since a fair bit of what we needed to know was not covered in lecture. That being said, there are plenty of resources on the internet to help and everyone has to struggle through it the first time.

More checkpoints would be nice.

The podcasts are great for when I miss something you said in class and need to go back. It'd be nice to somehow be able to see things you write on the board too though.

N/A

You suggested certain deadlines/milestones at the beginning of the project, but we were never held to them. Maybe enforce those deadlines with a submission of some sort. You don't even have to look at them, just let us think you are :-)

You should enforce deadlines. We procrastinated way too long.

I think that the 10 table requirement is a good idea in theory, but in practice I feel that it might have held back some groups that just made up crap tables to get them in the project.

Possibly lower the table number requirement to 8? I find that a lot of teams could reach 7-8 easily, but the last few tables were just made up as filler.

I would rather learn how to build a database system than just how to use it.

more guidance. if i had known, i would have worked on the front end first. i thought i needed to build the back end first, which we weren't fully able to do until the middle of hte semester.

More organized.d

I know that much of the class, myself included, waited to really do the bulk of the work until the last few weeks of the semester. I honestly think having actual deliverables due for the project milestones, perhaps every few weeks, would have been beneficial.

Nope, great class.

Try and enforce more deadlines throughout the course to help the students manage their time better and not have to finish up the entire project by working 2 days straight to meet the deadline.

Have checks and deadlines to hit

Provide some Php help for the projects.



~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

I wish there were more deliverables on the project, on a step by step basis. I realize that most projects are quite different, but I would have benefited by having more, smaller deadlines to keep me on track.

More information about bootstrapping

Maybe post a tutorial on how to do deployment on a local machine so that people don't have to rely on Stardock/LabUnix for development (and also so Stardock won't get slow with the 150 some people taking it next semester). If you do, don't forget to remind people that by default MySQL's table names are case insensitive on Windows(local) but not Linux(plato).

We never discussed exporting data in class and yet were randomly expected to do so for the app...it seemed unnecessary and unreasonable.

I think the project we had was good; however, I think that some of the requirements were too much in regards to what was taught in lecture. For example, I feel that adding triggers/assertions and creating different database users wasn't demoed as thoroughly in class as the PHP and SQL content.

1 nosql table, would require for you to host mongo or something similar and remove the stuff about special sql features and exporting data. Views/triggers/checks just aren't necessary in a lot of applications. I had a really hard time figuring out where I could incorporate that

Some students have never seen HTML, CSS, PHP, or Ajax stuff before, so the interface to the database didn't really seem all that important for a class that was about using databases. If a student can do some great things with their database using smart and complicated queries, it should be just as good as having a nice website that looks pretty and functions alright.

**10. During the project, how many hours per week did you dedicate specifically to project work?**

Question Type: Multiple Choice

contributed by Sherriff, Mark (mss2x)

Results for CS-4750-001, Sherriff, Mark						
Total	0-2 (NA)	3-5 (NA)	6-8 (NA)	9-12 (NA)	13-16 (NA)	17 or more (NA)
63	15 (23.81%)	20 (31.75%)	15 (23.81%)	3 (4.76%)	5 (7.94%)	5 (7.94%)

Results for SEAS, 4000-level courses						
Total	0-2 (NA)	3-5 (NA)	6-8 (NA)	9-12 (NA)	13-16 (NA)	17 or more (NA)
63	15 (23.81%)	20 (31.75%)	15 (23.81%)	3 (4.76%)	5 (7.94%)	5 (7.94%)

**11. The course addressed technically rigorous subject matter consistent with the course objectives.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
62	4.31	0.59	23 (37.10%)	35 (56.45%)	4 (6.45%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1533	4.29	0.79	680 (44.36%)	662 (43.18%)	123 (8.02%)	34 (2.22%)	15 (0.98%)	19 (1.24%)

**12. The instructor used methods other than/in addition to traditional lectures (for example, active learning, in-class problems, collaborative learning, in-class discussion) effectively in this course.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
63	4.27	0.71	26 (41.27%)	27 (42.86%)	9 (14.29%)	0 (0.00%)	0 (0.00%)	1 (1.59%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1578	4.18	0.97	694 (43.98%)	556 (35.23%)	163 (10.33%)	76 (4.82%)	37 (2.34%)	52 (3.30%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

**13. There was a reasonable level of effort expected for the credit hours received.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
62	4.40	0.61	29 (46.77%)	29 (46.77%)	4 (6.45%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1534	4.30	0.80	685 (44.65%)	696 (45.37%)	83 (5.41%)	46 (3.00%)	19 (1.24%)	5 (0.33%)

**14. The homework assignments helped me learn the subject matter.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
63	4.22	0.73	23 (36.51%)	33 (52.38%)	5 (7.94%)	2 (3.17%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1531	4.12	0.90	519 (33.90%)	581 (37.95%)	179 (11.69%)	59 (3.85%)	20 (1.31%)	173 (11.30%)

**15. The textbook increased my understanding of the material.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
62	3.27	0.91	3 (4.84%)	22 (35.48%)	25 (40.32%)	6 (9.68%)	3 (4.84%)	3 (4.84%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1534	3.83	1.02	293 (19.10%)	377 (24.58%)	226 (14.73%)	74 (4.82%)	28 (1.83%)	536 (34.94%)

**16. The course material was well organized and developed.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
63	4.35	0.65	27 (42.86%)	32 (50.79%)	3 (4.76%)	1 (1.59%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1574	4.09	0.99	621 (39.45%)	602 (38.25%)	180 (11.44%)	86 (5.46%)	42 (2.67%)	43 (2.73%)

**17. The instructor was knowledgeable about the subject matter.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
63	4.57	0.59	38 (60.32%)	24 (38.10%)	0 (0.00%)	1 (1.59%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1569	4.51	0.79	972 (61.95%)	462 (29.45%)	64 (4.08%)	28 (1.78%)	23 (1.47%)	20 (1.27%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

**18. The instructor was well prepared for class.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
63	4.44	0.56	30 (47.62%)	31 (49.21%)	2 (3.17%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1576	4.33	0.88	800 (50.76%)	541 (34.33%)	119 (7.55%)	50 (3.17%)	26 (1.65%)	40 (2.54%)

**19. I received adequate preparation from the prior courses in the curriculum to be successful in this course.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
63	4.06	0.90	21 (33.33%)	29 (46.03%)	8 (12.70%)	3 (4.76%)	1 (1.59%)	1 (1.59%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1534	4.10	0.87	542 (35.33%)	680 (44.33%)	200 (13.04%)	69 (4.50%)	16 (1.04%)	27 (1.76%)

**20. The grading policy was fair.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
62	3.98	0.88	18 (29.03%)	29 (46.77%)	12 (19.35%)	2 (3.23%)	1 (1.61%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1578	4.23	0.82	655 (41.51%)	661 (41.89%)	163 (10.33%)	44 (2.79%)	15 (0.95%)	40 (2.53%)

**21. The instructor responded adequately to in-class questions.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
63	4.43	0.64	32 (50.79%)	26 (41.27%)	5 (7.94%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1577	4.37	0.81	800 (50.73%)	580 (36.78%)	98 (6.21%)	39 (2.47%)	19 (1.20%)	41 (2.60%)

**22. The instructor effectively used technology in support of the learning goals for this course.**

Question Type: Likert

contributed by Dean of the School of Engineering and Applied Science

Results for CS-4750-001, Sherriff, Mark								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
62	4.39	0.64	29 (46.77%)	28 (45.16%)	5 (8.06%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses								
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
1569	4.20	0.86	614 (39.13%)	643 (40.98%)	165 (10.52%)	42 (2.68%)	24 (1.53%)	81 (5.16%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~																
<p><b>23. The average number of hours per week I spent outside of class preparing for this course was:</b></p> <p>Question Type: Multiple Choice</p> <p>contributed by Office of the Provost</p>	Results for CS-4750-001																
	<table border="1"> <thead> <tr> <th>Total</th> <th>Less than 1 (NA)</th> <th>1 - 3 (NA)</th> <th>4 - 6 (NA)</th> <th>7 - 9 (NA)</th> <th>10 or more (NA)</th> </tr> </thead> <tbody> <tr> <td>63</td> <td>5 (7.94%)</td> <td>42 (66.67%)</td> <td>15 (23.81%)</td> <td>0 (0.00%)</td> <td>1 (1.59%)</td> </tr> </tbody> </table>	Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)	63	5 (7.94%)	42 (66.67%)	15 (23.81%)	0 (0.00%)	1 (1.59%)				
	Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)											
63	5 (7.94%)	42 (66.67%)	15 (23.81%)	0 (0.00%)	1 (1.59%)												
Results for SEAS, 4000-level courses																	
	<table border="1"> <thead> <tr> <th>Total</th> <th>Less than 1 (NA)</th> <th>1 - 3 (NA)</th> <th>4 - 6 (NA)</th> <th>7 - 9 (NA)</th> <th>10 or more (NA)</th> </tr> </thead> <tbody> <tr> <td>1540</td> <td>60 (3.90%)</td> <td>555 (36.04%)</td> <td>639 (41.49%)</td> <td>198 (12.86%)</td> <td>88 (5.71%)</td> </tr> </tbody> </table>	Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)	1540	60 (3.90%)	555 (36.04%)	639 (41.49%)	198 (12.86%)	88 (5.71%)				
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)												
1540	60 (3.90%)	555 (36.04%)	639 (41.49%)	198 (12.86%)	88 (5.71%)												
<p><b>24. I learned a great deal in this course.</b></p> <p>Question Type: Likert</p> <p>contributed by Office of the Provost</p>	Results for CS-4750-001																
	<table border="1"> <thead> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> </tr> </thead> <tbody> <tr> <td>63</td> <td>4.37</td> <td>0.66</td> <td>29 (46.03%)</td> <td>28 (44.44%)</td> <td>6 (9.52%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	63	4.37	0.66	29 (46.03%)	28 (44.44%)	6 (9.52%)	0 (0.00%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
63	4.37	0.66	29 (46.03%)	28 (44.44%)	6 (9.52%)	0 (0.00%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
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Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
1531	4.23	0.91	707 (46.18%)	593 (38.73%)	142 (9.27%)	60 (3.92%)	29 (1.89%)										
<p><b>25. Overall, this was a worthwhile course.</b></p> <p>Question Type: Likert</p> <p>contributed by Office of the Provost</p>	Results for CS-4750-001																
	<table border="1"> <thead> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> </tr> </thead> <tbody> <tr> <td>63</td> <td>4.46</td> <td>0.67</td> <td>34 (53.97%)</td> <td>25 (39.68%)</td> <td>3 (4.76%)</td> <td>1 (1.59%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	63	4.46	0.67	34 (53.97%)	25 (39.68%)	3 (4.76%)	1 (1.59%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
63	4.46	0.67	34 (53.97%)	25 (39.68%)	3 (4.76%)	1 (1.59%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
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Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
1529	4.25	0.96	758 (49.57%)	535 (34.99%)	137 (8.96%)	57 (3.73%)	42 (2.75%)										
<p><b>26. The course's goals and requirements were defined and adhered to by the instructor.</b></p> <p>Question Type: Likert</p> <p>contributed by Office of the Provost</p>	Results for CS-4750-001, Sherriff, Mark																
	<table border="1"> <thead> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> </tr> </thead> <tbody> <tr> <td>62</td> <td>4.44</td> <td>0.53</td> <td>28 (45.16%)</td> <td>33 (53.23%)</td> <td>1 (1.61%)</td> <td>0 (0.00%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	62	4.44	0.53	28 (45.16%)	33 (53.23%)	1 (1.61%)	0 (0.00%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
62	4.44	0.53	28 (45.16%)	33 (53.23%)	1 (1.61%)	0 (0.00%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
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Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
1574	4.29	0.80	702 (44.60%)	703 (44.66%)	104 (6.61%)	51 (3.24%)	14 (0.89%)										
<p><b>27. The instructor was approachable and made himself/herself available to students outside the classroom.</b></p> <p>Question Type: Likert</p> <p>contributed by Office of the Provost</p>	Results for CS-4750-001, Sherriff, Mark																
	<table border="1"> <thead> <tr> <th>Total</th> <th>Mean</th> <th>Std Dev</th> <th>Strongly Agree (5)</th> <th>Agree (4)</th> <th>Neutral (3)</th> <th>Disagree (2)</th> <th>Strongly Disagree (1)</th> </tr> </thead> <tbody> <tr> <td>63</td> <td>4.11</td> <td>0.88</td> <td>25 (39.68%)</td> <td>23 (36.51%)</td> <td>12 (19.05%)</td> <td>3 (4.76%)</td> <td>0 (0.00%)</td> </tr> </tbody> </table>	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	63	4.11	0.88	25 (39.68%)	23 (36.51%)	12 (19.05%)	3 (4.76%)	0 (0.00%)
	Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)									
63	4.11	0.88	25 (39.68%)	23 (36.51%)	12 (19.05%)	3 (4.76%)	0 (0.00%)										
Results for SEAS, 4000-level courses																	
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Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)										
1585	4.35	0.85	846 (53.38%)	539 (34.01%)	136 (8.58%)	41 (2.59%)	23 (1.45%)										

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

**28. Overall, the instructor was an effective teacher.**

Question Type: Likert

contributed by Office of the Provost

Results for CS-4750-001, Sherriff, Mark							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
63	4.46	0.62	33 (52.38%)	26 (41.27%)	4 (6.35%)	0 (0.00%)	0 (0.00%)

Results for SEAS, 4000-level courses							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
1587	4.29	0.93	821 (51.73%)	544 (34.28%)	130 (8.19%)	53 (3.34%)	39 (2.46%)

**29. Please make any overall comments or observations about this course:**

Question Type: Short Answer

contributed by Office of the Provost

Results for CS-4750-001	
Total	Individual Answers
35	See below for Individual Results

Who doesn't love Sherriff?

I liked this course and wish it was a requirement for CS majors. I also wish the CS department offered more real life application based CS classes like this. I mean most of us are going to be going into the working world after graduation so why not have more classes that focus on that? It would prepare UVa CS majors better.

Although a good idea, the podcasts were often hard to hear.

Clear slides would be more helpful than writing on white board because when sitting behind, it was hard to see the notes written clearly

I really look forward to Sherriff's lectures in the morning and I felt I learned an incredible amount in terms of how applicable the material is to the real world.

Question 10 is not an accurate representation of how much time was spent on the project. I, like many of my classmates, waited until the last 2 weeks to do the entire project. So on a general basis I spent 0-2 hours working on it, but the last two weeks had a lot of time dedicated to it. (> 20 hours)

A very useful and practical class. This should be a mandatory class instead of an elective. Make Computer Architecture or Algorithms electives because they suck, and make Database a core major class because it ROCKS!!!

Sherriff is da bomb.

I found the material in this course to be interesting and rigorous at times. Professor Sherriff is very down to earth professor who can actually teach unlike a lot of the research professors in the e-school; though sometimes, he did have an "off" day here or there which could make him seem less approachable. The homework grader in this class was frustrating; there were several instances where the questions on the homework were ambiguous, and though we explained the rationale for our answer well, did not receive credit. Seemed like he didn't accept. Also, the podcasts while nice in theory, don't really help that much. The perfect setup would be to do it like Professor Horton or Bloomfield and include the relevant material slides synced with the audio. Overall though, I am glad I took this course.

I liked the application focus of the course, instead of theoretical.

I was really frustrated with the grading in this class. I consistently lost points for answers that were valid but different than an arbitrarily-selected answer provided in the answer key. Why even require an explanation/argument for a question if you're just going to except one very specific answer?

Mark Sherriff is literally the man! He is a phenomenal professor and if Web and Mobile was not being offered at 9am on MWF I would absolutely have signed up to take the course. Give this guy a promotion or more money. I took CS1110 with him and it is the reason that I am currently a computer engineer and not in a different engineering discipline.

Sherriff is one of my 3 favorite CS professors. He deserves more money. Seriously. If this class wasn't at 9:30 a.m. and I were not a 4th year I would have been to every lecture. I don't even need this class to graduate, but I knew he is one of the best professors here at UVA.

Great class!

Sheriff is the man!

Mark Sherriff is one of the best professors I have ever had the pleasure of taking a class with. He's the reason I decided to take the databases course and helped work with me to get into the course off of the waitlist.

none

Somehow OK class. Not as good as Bloomfield's.

Only gripe I have is that its too early! Otherwise really good course.

Great course, I ended up liking it way more than I thought I would. It was my favorite course this semester! Sherriff obviously knows what he's doing with this domain and his humor was as always a relief.

I think learning the kind of SQL we did could be picked up outside of class or just looked up when needed. It seems like building a small database system would be more useful to a CS career. I guess even though I kind of like web development I guess i am trying to differentiate it from "real" computer science.

Sherriff's the best! I learned a lot in this course and found it enjoyable. I liked learning about DBs and look forward to applying this knowledge in the future. The project we chose was very web development - heavy, so there was a (self-inflicted) steep learning curve to figure things out without having taken web and mobile. I definitely learned the most from the project, though. Homeworks were useful to make sure I was getting the theory part of the class, too. Overall, very worthwhile course! Every CS major should take DB!

Should be a required course, especially considering how important this can be for SLP.

Very useful class!

This was a great course. I really think it should be required for CS majors.

I would really like to spend more time on how the DBMS works and less on how to use it. I know the focus of the course was explained early on and adhered to, but that's still my preference.

Overall, I thought that this was a very practical course. I have needed to work with databases at past internships, so I think the material I learned in this course will be helpful in the future. However, I wish that there would have been recorded lectures instead of podcasts. It was really difficult to follow along when we couldn't see what was being written on the board / projector. Also, I heard that last year the textbook was free online. It would have been great if that was also the case this year, especially since we only used it a couple of times (maybe consider photocopying the necessary homework questions in the future?). Piazza was a useful tool, and I liked that Professor Sherriff was proactive about posting responses on it.

Great course! Professor Sherriff is an awesome instructor!

This is a really great course. Definitely easier to take after taking Web and Mobile (helps with the project).

More detailed notes and book reference to in-class materials.

He is a good guy. Deserves a pay raise!

It must have been hard to teach a class with such a wide range of experience but I found myself far behind the level of the class. I am BACS and my computer science background so far isn't very big so there was a lot of jargon that I completely missed, which made things hard. Similarly I feel like the project was a lot harder for me than for other people who already had experience designing web pages, so I lost focus on the database aspect of the project.

Really enjoyed the class. Would have been at every lecture if it was later in the day. Learned something every time I went and would recommend to any student.

The homework grading was ridiculous. Points were taken off for the most random things. Other than that, good course.

Fantastic course, and extremely important to take in preparation of the real world.