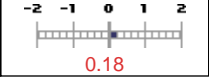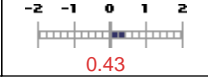# CS 4720-001 **Web and Mobile Systems** - Fall 2012

ENGR (18674)

INSTRUCTORS: Pisharoty, Devika Narayan (dnp6ga) - **Sherriff, Mark (mss2x)** - Xiao, Chi (cx5cq)

Respondents: 43 / Enrollment: 64

Summary: CS 4720-001 Web and Mobile Systems - Fall 2012 (18674)

Overall Course Rating

CS-4720-001 Mean 4.26
CS-4720-001 Std Dev 0.76
CS-4720-001 Response Count 211

Difference from Category Mean, Expressed in Category Standard Deviations	-2 -1 0 1 2
	0.18

SEAS, 4000-level courses Mean 4.10
SEAS, 4000-level courses Std Dev 0.88
SEAS, 4000-level courses Response Count 8350

Overall Instructor Rating

INSTRUCTOR: Sherriff, Mark
  Mean 4.55
  Std Dev 0.53
  Response Count 301

Difference from Category Mean, Expressed in Category Standard Deviations	-2 -1 0 1 2
	0.43

SEAS, 4000-level courses Mean 4.18
SEAS, 4000-level courses Std Dev 0.87
SEAS, 4000-level courses Response Count 19935

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

1. How accurate is this statement for you: The project was of acceptable length.
~
Question Type: Likert
~
contributed by Sherriff, Mark (mss2x)

Results for CS-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
43	4.42	0.66	21 (48.84%)	20 (46.51%)	1 (2.33%)	1 (2.33%)	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)
43	4.42	0.66	21 (48.84%)	20 (46.51%)	1 (2.33%)	1 (2.33%)	0 (0.00%)

2. How accurate is this statement for you: The project was of acceptable difficulty.
~
Question Type: Likert
~
contributed by Sherriff, Mark (mss2x)

Results for CS-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
43	4.51	0.63	24 (55.81%)	18 (41.86%)	0 (0.00%)	1 (2.33%)	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)
43	4.51	0.63	24 (55.81%)	18 (41.86%)	0 (0.00%)	1 (2.33%)	0 (0.00%)

3. How accurate is this statement for you: The project helped me better understand the phases and intricacies of software development.
~
Question Type: Likert
~
contributed by Sherriff, Mark (mss2x)

Results for CS-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
43	4.40	0.73	22 (51.16%)	17 (39.53%)	3 (6.98%)	1 (2.33%)	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)
43	4.40	0.73	22 (51.16%)	17 (39.53%)	3 (6.98%)	1 (2.33%)	0 (0.00%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

4. So tell me... how awesome was this class?
~
Question Type: Multiple Choice
~
contributed by Sherriff, Mark (mss2x)

Results for CS-4720-001, Sherriff, Mark

Total	Incredibly awesome (NA)	Overwhelmingly awesome (NA)	Simply awesome (NA)	Lacking of awesome (NA)	Devoid of awesome (NA)
43	24 (55.81%)	12 (27.91%)	6 (13.95%)	1 (2.33%)	0 (0.00%)

Results for SEAS, 4000-level courses

Total	Incredibly awesome (NA)	Overwhelmingly awesome (NA)	Simply awesome (NA)	Lacking of awesome (NA)	Devoid of awesome (NA)
43	24 (55.81%)	12 (27.91%)	6 (13.95%)	1 (2.33%)	0 (0.00%)

5. Which topic/lecture in this course was your favorite and why?
~
Question Type: Short Answer
~
contributed by Sherriff, Mark (mss2x)

Results for CS-4720-001, Sherriff, Mark

Total	Individual Answers
42	*See below for Individual Results*

Learning about web-services was fun because I have had no experience with it.

I enjoyed the lectures about HTML5 and web design the most. They were a helpful overview.

SOA, RESTful and peer-to-peer

Tie between HTML5 and mobile development.

UI, I like aesthetics, art, and design

all of it

Build your own server

I really enjoyed the UI lectures. Creating interfaces and bettering the interaction between humans and computers is a real passion of mine.

Working w/ and Integrating Web Services

Hard to choose...probably cloud or peer-to-peer, because it helped me better understand these technologies that are in the forefront today

Peer to peer, just because it's something that seems a bit hard to wrap my head around. I would've liked to see the topic divided into two lectures.

Learning how to build your own server!!! Yeah! :D I have been thinking about setting up my own server for a while now but didn't know how to get started. That lecture was a sweet short introduction on how to get started.

Accessibility and UI! I like hands-on, visual and design type things better than the nebulous, muddled world of servers and whatnot. I am better at thinking about data visualization and user flow. I also really liked learning about REST. Also databases. Databases are amazing and I love them.

Enjoyed learning about file sharing, and old days of computer science.

agents

I liked the how to build your own server talk. I haven't really focused on hardware, but it was really helpful.

ajax- really like ui stuff and ajax is important for web ui

I enjoyed learning about elements of a good mobile application - I'm interested in UI/UX. File sharing was really interesting too.

building web services and mobile applications - pratical

I really enjoyed the lectures on Enterprise Architecture. It was interesting to see how what we were learning could be applied on such a large scale.

Agents were really cool, and I wish we had gone more into depth. (How does algorithmic trading actually work?)

SOA because it explains the overall idea for all Web development.

JSON. Because it's awesome. Also Jquery.

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~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	mysql because i had never done it
	I don't remember a particular topic really sticking out as, "Gosh, I like that a lot." Maybe this means a lot were just equally great.
	android programming - got a tablet and it was fun to learn how to make stuff for it
	I really enjoyed the crash course for SQL in the beginning. It was a highly condensed, yet very very useful lesson.
	The web section
	Cloud Computing because it seemed that it was going to be a big deal in the future.
	I really liked the agent based lecture/demo, but I wish it had been an assignment rather than an ad hoc thing right before the project was due when there was no time to work on it.
	Intro to Android programming, because its fun to program mobile devices.
	I liked p2p
	I liked the HTML stuff just because I had never done any web design and I enjoyed doing that for the first time.
	cakephp and restful services, because I can see and have experienced through project with the usefulness of this topic
	that's like asking who your favorite child is
	SOA
	Learning about Enterprise Architecture. I like seeing how software scales on a corporate level and how companies use technology/software to get things done.
	All
	all of them b/c they were interesting and quick to see how they were applicable in the real world and into future careers.
	The Cloud Computing lecture was one of the best because I think it's a very interesting, new topic and really encouraged me to want to take the course.
	I'm not quite sure, I liked most of them
	The HTML5 lecture was great because I learned there was more behind it than perceived

6. 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-4720-001, Sherriff, Mark	
Total	Individual Answers
42	*See below for Individual Results*

The sections on web development and UI.

The three-tier model for web services (model, view, controller)

Everything with web services.

mobile development

It's a tie between Enterprise Architecture and the lecture on REST/MVC.

all of it

Enterprise Architecture. Next year I have a job as a Systems Analyst for a Company and I will be exposed to a lot of enterprise architecture.

Enterprise.

REST & SOA

The Mobile development lectures

web services - useful skill to have and use

The information in this document is private and confidential. Please handle accordingly.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	The architecture lectures (mobile, SOA, enterprise) as these are frameworks I can build off of
	Web Services, Web Services, Web Services
	Learning about web services. I didn't realize there were everywhere, but they are.
	Web services
	HTML/PHP
	model view controller lecture. I'm in the middle of building a web application and that is really applicable to what I love building.
	I would like to go into a UI-related field, so again I'd have to say the UI lectures
	Web services (particularly REST). Understanding that opens a lot of doors for me as a web developer.
	Web architectures
	building web services and mobile applications
	SOA - web services
	Interviewers already asked about RESTful stuff!
	HTML5/CSS3, REST ideology, thin vs. thick clients.
	REST or mobile development
	same as favorite
	I would either the database stuff or web services in general.
	Web-services
	Databases
	The service oriented architecture. I have heard of it so much before but never understood it fully.
	PHP/Cake. Would definitely use again.
	SOA because the growing popularity and ubiquity of mobile apps
	REST/JSON web service creation.
	SOA
	enterprise
	Web development, databases.
	the general understanding of web systems is going to be the most helpful
	All
	It was great learning about cakePHP and the Google App Engine. And the database classes.
	web or mobile
	I am very glad to have learned more about Android development. I think that will serve me well in the future. I am also thrilled to finally know the fundamentals of web design. I think this gives a person a great amount of creative power.
	I think the usability lecture was actually interesting and gave us useful information to consider when designing apps. I also think the crash intro to databases was really useful too.

7. 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-4720-001, Sherriff, Mark	
Total	Individual Answers
36	*See below for Individual Results*

SOAP

The information in this document is private and confidential. Please handle accordingly.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	Can't think of any that were off topic or did not work.
	The final lecture with the agents.
	agent based programs - didnt learn much about it and just had to spend time working on a program with no real significance to us.
	the parts about graphic design didn't really work because most of us aren't inclined to be good at that kind of stuff
	None
	Agents. The stuff going on with TAC felt rushed and poorly organized. The concept of agents came across, but I don't know that TAC was very useful for learning that.
	Enterprise Software.
	Can't think of anything bad right now.
	Perhaps the python section. It seemed out of place from the rest of the material and the project.
	n/a
	ABSOLUTELY NOTHING
	I am not sure I should care all that much about the internal disputes of HTML vs XHTML but I thought it was interesting.
	I think all of them were useful and can't really think of one that wasn't. The Cake PHP tutorial was a little hard to follow.
	Agents
	A few topics were kind of confusing at first, because it's hard to learn them without going really in depth.
	None of them
	I don't like Cakephp, I found it difficult to use.
	I feel like in order for Agent-Based Systems to "work" better, more time should be spent on it.
	SOAP. Will never use again.
	To be useful, I think we needed some more depth on Android. And I don't think it's a stretch to start by explaining what an activity is, entirely skipping some of the little stuff.
	N/A
	Some guest lectures seemed overly-preachy.
	I think the auction thing was really interesting but I think it either needs to be flushed out a little more or scrapped--it's too complicated to just be a little side project in my opinion.
	None that I can think of.
	..hmm not really sure
	none
	none
	Usability and accessibility, perhaps due to some things being common sense
	soap
	None. They all worked
	I don't think the agent lecture was that great because it did not show us a lot of principles. However, it involved everyone which was good.
	This was actually my most useful & applicable class that I took this semester. There's not really anything that wasn't useful.
	network layers
	Some of the WSDL/UDDI stuff doesn't seem very important. Not that it wasn't taught well, I just didn't see the value in that sort of thing for software development.

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~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

	Good material all around -- CakePHP could have used more attention because of how importantly it played into our project in the end

8. 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-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
40	4.55	0.74	14 (35.00%)	7 (17.50%)	0 (0.00%)	1 (2.50%)	0 (0.00%)	18 (45.00%)

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)
40	4.55	0.74	14 (35.00%)	7 (17.50%)	0 (0.00%)	1 (2.50%)	0 (0.00%)	18 (45.00%)

9. 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-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
41	4.36	0.73	11 (26.83%)	8 (19.51%)	3 (7.32%)	0 (0.00%)	0 (0.00%)	19 (46.34%)

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)
41	4.36	0.73	11 (26.83%)	8 (19.51%)	3 (7.32%)	0 (0.00%)	0 (0.00%)	19 (46.34%)

10. How often did you listen to the podcast for a lecture?
~
Question Type: Multiple Choice
~
contributed by Sherriff, Mark (mss2x)

Results for CS-4720-001, 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)
42	2 (4.76%)	1 (2.38%)	11 (26.19%)	10 (23.81%)	0 (0.00%)	18 (42.86%)

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)
42	2 (4.76%)	1 (2.38%)	11 (26.19%)	10 (23.81%)	0 (0.00%)	18 (42.86%)

11. 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-4720-001, Sherriff, Mark

Total	Individual Answers
28	*See below for Individual Results*

| | I definitely thought the examples you provided were pretty helpful. Maybe adding in more features to those examples could make it easier to figure out how to do things, although there were usually enough examples on the internet anyway.

Cake can be annoying.

None

During the android stages, at least encourage groups to work on stuff other than getting the web services to work, we were left with a lot at the end to get working.

No Friday class :P

NO |
|---|---|

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	maybe give out some project topic

maybe give out some project topic

Definitely still allow the students to pick the project topic. It made for a lot of creativity.

None that I can think

I was a bit annoyed that for phase 3 service (using the Google App engine), we could not integrate data from Google's data store with our MySQL DB. I felt like that data integration would've helped with creating a more cohesive second service in our projects.

more specifically discuss the elements of polish you would like to see in the finished product.

Use Rails!

Make sure that integration is done at an earlier stage and try to help students limit their project ideas to something realistic/achievable.

no

When discussing usability and UX, I think it would be cool to have a demo going on an android tablet where we actually manipulate the code. That way we get "under the hood" and learn by doing. This might go well if at the same time as an assignment to design the UX on our project. You can make us actually do the wireframing; we don't die.

Talk about OSGI plzplzplzplzplzplzplz

The amount of self-teaching that has to go on early in the course verged on overwhelming. I was not sure where to go for help because I never actually heard of or saw any TAs. Make coding help more accessible.

I feel like I wish there were more Android development lessons in class. I wish maybe if there were like...an Android workshop day, where we worked with our groups and stuff, but we did android stuff, during class together.

It would be nice to be given more direction about the structure/framework wrapping the project and assignments. Eclipse Plug-in, Google Storage, Stardock, Android... SOAP, WSDLs, POX... jQuery, JavaScript, HTML5, CSS3, AJAX... there's a lot going into this, and it becomes especially frustrating if work is hard to do because of the medium of the work, not the content itself. I get that learning to work with different languages is part and parcel of the work, but I mean the accessing of materials, the framework of using those languages, and the slight confusions of having the course website linked to Collab so it's unclear how to get to certain things.

CakePHP stinks. IT TOTALLY CONTRADICTS THE "chyeah bro, whatevs ya feel" NATURE OF PHP. Or if you want to include it, make it "more required." I think a lot of us used it that one time because we had to.

A little more overview on coding Android apps would help.

The pacing seemed slightly off, and some weeks were unrelated/overly easy, leading to a rush at the end.

Not everyone has had experience with web-dev. May be have couple of pre-class assignment (before the class starts) that gets them ahead in terms of basic html, css, js etc.

Perhaps stick to using one database instead of two

not really

I agree with the idea that we shouldn't have spent a lot of time going over Android stuff, but I think a dumbed-down beginner's outline/guide type of thing would have been helpful. It ended up not being a big deal at all, but I feel like there were basic concepts that I didn't understand until late in the project just because the Android documentation/guide is a little overwhelming.

I think it would be good if you spent a day going over android development because even though I agree that it is something that we need to learn on our own, a brief introduction to some of the concepts and difficulties would have been very helpful and would have been a more efficient use of time.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

12. 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-4720-001, Sherriff, Mark

Total	0-2 (NA)	3-5 (NA)	6-8 (NA)	9-12 (NA)	13-16 (NA)	17 or more (NA)
43	1 (2.33%)	24 (55.81%)	14 (32.56%)	4 (9.30%)	0 (0.00%)	0 (0.00%)

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)
43	1 (2.33%)	24 (55.81%)	14 (32.56%)	4 (9.30%)	0 (0.00%)	0 (0.00%)

13. 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-4720-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.40	0.54	18 (42.86%)	23 (54.76%)	1 (2.38%)	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)
1668	4.26	0.75	660 (39.57%)	809 (48.50%)	138 (8.27%)	29 (1.74%)	14 (0.84%)	18 (1.08%)

14. 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-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
43	4.53	0.55	24 (55.81%)	18 (41.86%)	1 (2.33%)	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)
2849	4.11	0.95	924 (32.43%)	858 (30.12%)	340 (11.93%)	104 (3.65%)	42 (1.47%)	581 (20.39%)

15. 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-4720-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.29	0.71	17 (40.48%)	21 (50.00%)	3 (7.14%)	1 (2.38%)	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)
1674	4.22	0.83	666 (39.78%)	788 (47.07%)	120 (7.17%)	67 (4.00%)	18 (1.08%)	15 (0.90%)

16. 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-4720-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.48	0.67	23 (54.76%)	17 (40.48%)	1 (2.38%)	1 (2.38%)	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)
1673	4.18	0.83	580 (34.67%)	702 (41.96%)	163 (9.74%)	52 (3.11%)	16 (0.96%)	160 (9.56%)

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~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

17. 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-4720-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
43	3.64	1.08	4 (9.30%)	3 (6.98%)	5 (11.63%)	2 (4.65%)	0 (0.00%)	29 (67.44%)

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)
1671	3.70	1.06	254 (15.20%)	407 (24.36%)	255 (15.26%)	89 (5.33%)	44 (2.63%)	622 (37.22%)

18. 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-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
43	4.44	0.55	20 (46.51%)	22 (51.16%)	1 (2.33%)	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)
2843	4.03	0.92	755 (26.56%)	1015 (35.70%)	333 (11.71%)	110 (3.87%)	44 (1.55%)	586 (20.61%)

19. 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-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
43	4.67	0.47	29 (67.44%)	14 (32.56%)	0 (0.00%)	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)
2852	4.41	0.77	1280 (44.88%)	801 (28.09%)	209 (7.33%)	27 (0.95%)	19 (0.67%)	516 (18.09%)

20. The instructor was well prepared for class.
~
Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
43	4.62	0.49	26 (60.47%)	16 (37.21%)	0 (0.00%)	0 (0.00%)	0 (0.00%)	1 (2.33%)

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)
2852	4.25	0.83	1013 (35.52%)	924 (32.40%)	258 (9.05%)	50 (1.75%)	28 (0.98%)	579 (20.30%)

21. 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-4720-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
42	4.07	0.82	12 (28.57%)	22 (52.38%)	6 (14.29%)	0 (0.00%)	1 (2.38%)	1 (2.38%)

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)
1664	4.03	0.88	494 (29.69%)	811 (48.74%)	203 (12.20%)	79 (4.75%)	28 (1.68%)	49 (2.94%)

The information in this document is private and confidential. Please handle accordingly.

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

22. The grading policy was fair.
~
Question Type: Likert
~
contributed by Dean of the School of Engineering and Applied Science

Results for CS-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
43	4.40	0.49	17 (39.53%)	26 (60.47%)	0 (0.00%)	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)
2849	4.04	0.89	767 (26.92%)	1046 (36.71%)	372 (13.06%)	95 (3.33%)	35 (1.23%)	534 (18.74%)

23. 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-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
43	4.53	0.59	25 (58.14%)	16 (37.21%)	2 (4.65%)	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)
2848	4.26	0.82	1009 (35.43%)	966 (33.92%)	226 (7.94%)	49 (1.72%)	28 (0.98%)	570 (20.01%)

24. 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-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)	Not Applicable (NA)
43	4.64	0.53	28 (65.12%)	13 (30.23%)	1 (2.33%)	0 (0.00%)	0 (0.00%)	1 (2.33%)

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)
2842	4.12	0.85	805 (28.33%)	978 (34.41%)	335 (11.79%)	65 (2.29%)	27 (0.95%)	632 (22.24%)

25. The average number of hours per week I spent outside of class preparing for this course was:
~
Question Type: Multiple Choice
~
contributed by Office of the Provost

Results for CS-4720-001

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
43	1 (2.33%)	21 (48.84%)	15 (34.88%)	5 (11.63%)	1 (2.33%)

Results for SEAS, 4000-level courses

Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
1674	100 (5.97%)	609 (36.38%)	664 (39.67%)	213 (12.72%)	88 (5.26%)

26. I learned a great deal in this course.
~
Question Type: Likert
~
contributed by Office of the Provost

Results for CS-4720-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
42	4.50	0.59	23 (54.76%)	17 (40.48%)	2 (4.76%)	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)
1661	4.15	0.88	641 (38.59%)	744 (44.79%)	179 (10.78%)	77 (4.64%)	20 (1.20%)

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~

27. Overall, this was a worthwhile course.
~
Question Type: Likert
~
contributed by Office of the Provost

Results for CS-4720-001

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
43	4.70	0.51	31 (72.09%)	11 (25.58%)	1 (2.33%)	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)
1671	4.18	0.93	712 (42.61%)	693 (41.47%)	157 (9.40%)	69 (4.13%)	40 (2.39%)

28. The course's goals and requirements were defined and adhered to by the instructor.
~
Question Type: Likert
~
contributed by Office of the Provost

Results for CS-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
43	4.51	0.51	22 (51.16%)	21 (48.84%)	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)
2830	3.91	1.02	891 (31.48%)	1135 (40.11%)	617 (21.80%)	43 (1.52%)	144 (5.09%)

29. The instructor was approachable and made himself/herself available to students outside the classroom.
~
Question Type: Likert
~
contributed by Office of the Provost

Results for CS-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
43	4.26	0.85	20 (46.51%)	16 (37.21%)	5 (11.63%)	2 (4.65%)	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)
2836	3.99	1.00	1050 (37.02%)	976 (34.41%)	653 (23.03%)	58 (2.05%)	99 (3.49%)

30. Overall, the instructor was an effective teacher.
~
Question Type: Likert
~
contributed by Office of the Provost

Results for CS-4720-001, Sherriff, Mark

Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
43	4.77	0.43	33 (76.74%)	10 (23.26%)	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)
2844	3.97	0.98	999 (35.13%)	1006 (35.37%)	688 (24.19%)	65 (2.29%)	86 (3.02%)

31. Please make any overall comments or observations about this course:
~
Question Type: Short Answer
~
contributed by Office of the Provost

Results for CS-4720-001

Total	Individual Answers
25	*See below for Individual Results*

I would prefer an environment where people (at least people not in the back row) do not browse the web or play games in class as it is quite distracting.

Great class with a great atmosphere between the students and teachers.

This was a fun class. I'm definitely going to take your databases class. I wish there were more professors like you at UVA, that spend more time teaching and being helpful to students, than being snobs. You're awesome at what you do and I'm glad you became a teacher! Teaching faculty ROCKS!!!! :D

~ QUESTIONS AND DETAILS ~	~ ANSWER MATRICES ~
	I really enjoyed the class and thought it was extremely helpful. This was the most helpful class I have taken. Sherriff is an awesome professor and really loves what he teaches. I have taken away a ton from this class. Thanks a lot, Sherriff! Are the TA questions really applicable? We never saw them. Also, the super early office hours are difficult to attend (though I assume that was somewhat by design) Sherriff: BAMF #1!!!! This is my first class with Professor Sherriff and one of the best. How much he cared about web and mobile technologies really carried over to me and I really appreciate having him as a professor. I learned so much about android and a lot of current relevant topics in web and mobile technologies. One of the best courses offered and one of the best professors I have had. n/a This was an awesome class! Keep doing what you do Professor Sheriff. On a side note, why did we have to answer random questions about the ta's on the course evaluation? Interesting course. Dealt with the challenge of dealing with a large range of technical topics fairly well. Best example of an open-ended project I have been involved in so far at UVa. Professor Sherriff was a great teacher and more application-based classes should be taught like this one in the Computer Science Department to get students ready for the real world. The programming assignments were difficult but worthwhile. Large learning curve--TAs should make themselves more available, I never even learned their names. A complaint for Sherriff: more clarification and specificity in the assignment descriptions would be appreciated. We were often unsure of exactly what you wanted to be implemented, much less how to do it. One of the few courses at UVA that I can say I will definitely be applying to my future career. I loved the project, and the homeworks were actually enjoyable. Really good balance between being pushed and learning a lot, and not being completely overwhelmed AWESOME. Once again, Professor Sherriff has proven that he knows how to teach a class that is incredibly useful and practical. I can't tell you how many times I used material from this class (and his Database class)successfuly in job interviews. Sherriff makes sure we appreciate how applicable what we learn in the classroom is to the REAL WORLD... something that I feel doesn't always happen with other instructors at this University. It helps to motivate students. One complaint: Why is this class Monday/Wednesday/Friday? Class on Friday = lamesauce. TL;DR: Sherriff is awesome, this class is awesome, glad I took it. Good stuff Professor not easily approachable. Seems annoyed when we ask questions after class etc. I really loved this class and Professor Sherriff is such a great teacher. I learned a lot (class was for concepts, homework was for looking up how do do stuff yourself) and feel like it'll be really useful for me in the future. Didn't really know we even had TAs...but I guess I didn't really need them. I think more time should have been given for the 1st exam... Spend more time talking about HTTP esp. with HTML forms. I would have liked to see more discussion of how to actually program for web and mobile systems, especially for Android. I know we learn a lot from hands on activities such as the final project, but I feel there was also a steep learning curve which could have been assuaged by more lectures teaching us the basics of Android programming. The same goes with writing web services, etc. sometimes it feels like youre great and goofy in lecture, and then when it comes to office hours, it is less friendly. I feel like it should almost be the opposite. Great course. Learned a lot. Sherriff is a great professor Sherriff delivered no more and no less than expected: an excellent class. Knock off points for midterm grading time, but add them back for good turnaround on the other assignments and very fast turnaround on the project. I found the material in the class to be immediately applicable in other classes, in UVa-based competitions this semester (like the E-Cup), and in work that I'm doing on the side. I think I'm much stronger for having completed it. Thanks, Professor Sherriff!

The information in this document is private and confidential. Please handle accordingly.