

COURSE SUMMARY REPORT
Numeric Responses

Univ. of Washington, Seattle
Information School
Term: Winter 2016

INFO 310 A, Joint with INFO 310 B
Information Assurance And Cybersecurity
Course type: Face-to-Face

Evaluation Delivery: Online
Evaluation Form: X1
Responses: 10/34 (29%)

Taught by: James Farricker, Kristina Savelesky
Instructor Evaluated: Kristina Savelesky-Other

Overall Summative Rating represents the combined responses of students to the four global summative items and is presented to provide an overall index of the class's quality:

| Combined Median | Adjusted Combined Median |
|-----------------------|--------------------------|
| 4.4 | 3.9 |
| (0=lowest; 5=highest) | |

Challenge and Engagement Index (CEI) combines student responses to several *IASystem* items relating to how academically challenging students found the course to be and how engaged they were:

| |
|-----------------------|
| CEI: 4.1 |
| (1=lowest; 7=highest) |

SUMMATIVE ITEMS

| | N | Excellent (5) | Very Good (4) | Good (3) | Fair (2) | Poor (1) | Very Poor (0) | Median | Adjusted Median |
|--|----|------------------|------------------|-------------|-------------|-------------|------------------|--------|-----------------|
| The course as a whole was: | 10 | 40% | 40% | 20% | | | | 4.2 | 3.7 |
| The course content was: | 10 | 30% | 40% | 30% | | | | 4.0 | 3.5 |
| The instructor's contribution to the course was: | 10 | 60% | 40% | | | | | 4.7 | 4.2 |
| The instructor's effectiveness in teaching the subject matter was: | 10 | 50% | 50% | | | | | 4.5 | 4.0 |

STUDENT ENGAGEMENT

| Relative to other college courses you have taken: | N | Much Higher (7) | (6) | (5) | Average (4) | (3) | (2) | Much Lower (1) | Median |
|--|---|--------------------|-----|-----|----------------|-----|-----|-------------------|--------|
| Do you expect your grade in this course to be: | 9 | 56% | 11% | 33% | | | | | 6.6 |
| The intellectual challenge presented was: | 9 | 11% | 22% | 11% | 44% | | 11% | | 4.4 |
| The amount of effort you put into this course was: | 9 | 11% | 33% | 11% | 22% | | 22% | | 5.0 |
| The amount of effort to succeed in this course was: | 9 | 11% | 22% | 11% | 33% | | 22% | | 4.3 |
| Your involvement in course (doing assignments, attending classes, etc.) was: | 9 | 22% | 22% | 11% | 33% | 11% | | | 5.0 |

On average, how many hours per week have you spent on this course, including attending classes, doing readings, reviewing notes, writing papers and any other course related work?

Class median: 7.2 Hours per credit: 1.4 (N=9)

| | | | | | | | | | | | |
|----------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Under 2 | 2-3 | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15 | 16-17 | 18-19 | 20-21 | 22 or more |
| | | 22% | 33% | 11% | 22% | | | | 11% | | |

From the total average hours above, how many do you consider were valuable in advancing your education?

Class median: 6.5 Hours per credit: 1.3 (N=9)

| | | | | | | | | | | | |
|----------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|
| Under 2 | 2-3 | 4-5 | 6-7 | 8-9 | 10-11 | 12-13 | 14-15 | 16-17 | 18-19 | 20-21 | 22 or more |
| | 22% | 22% | 11% | 22% | 11% | | | | 11% | | |

What grade do you expect in this course?

Class median: 3.9 (N=9)

| | | | | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|-----------------------|------------------------|-------------------|-------------|---------------|------------------|
| A (3.9-4.0) | A- (3.5-3.8) | B+ (3.2-3.4) | B (2.9-3.1) | B- (2.5-2.8) | C+ (2.2-2.4) | C (1.9-2.1) | C- (1.5-1.8) | D+ (1.2-1.4) | D (0.9-1.1) | D- (0.7-0.8) | E (0.0) | Pass | Credit | No Credit |
| 56% | 44% | | | | | | | | | | | | | |

In regard to your academic program, is this course best described as:

(N=9)

| | | | | | |
|-----------------------------|--|---------------------------|----------------------|------------------------------|--------------|
| In your major 78% | A core/distribution requirement | An elective 22% | In your minor | A program requirement | Other |
|-----------------------------|--|---------------------------|----------------------|------------------------------|--------------|

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Information School
Term: Winter 2016

STANDARD FORMATIVE ITEMS

| How frequently was each of the following a true description of this course? | N | Always (7) | (6) | (5) | About Half (4) | (3) | (2) | Never (1) | Median | Relative Rank |
|---|---|---------------|-----|-----|----------------------|-----|-----|--------------|--------|------------------|
| The instructor gave very clear explanations. | 9 | 67% | 33% | | | | | | 6.8 | 2 |
| The instructor successfully rephrased explanations to clear up confusion. | 9 | 56% | 44% | | | | | | 6.6 | 9 |
| Class sessions were interesting and engaging. | 9 | 78% | 11% | 11% | | | | | 6.9 | 1 |
| Class sessions were well organized. | 9 | 56% | 22% | 22% | | | | | 6.6 | 6 |
| Student participation was encouraged. | 9 | 56% | 33% | 11% | | | | | 6.6 | 11 |
| Students were aware of what was expected of them. | 9 | 44% | 44% | 11% | | | | | 6.4 | 10 |
| Extra help was readily available. | 9 | 67% | 22% | 11% | | | | | 6.8 | 8 |
| Assigned readings and other out-of-class work were valuable. | 9 | 56% | 11% | 11% | 11% | | 11% | | 6.6 | 3 |
| Grades were assigned fairly. | 9 | 67% | 33% | | | | | | 6.8 | 7 |
| Meaningful feedback on tests and other work was provided. | 9 | 67% | 33% | | | | | | 6.8 | 4 |
| Evaluation of student performance was related to important course goals. | 9 | 67% | 22% | 11% | | | | | 6.8 | 5 |

| Relative to other college courses you have taken, how would you describe your progress in this course with regards to: | N | Great (7) | (6) | (5) | Average (4) | (3) | (2) | None (1) | Median | Relative Rank |
|--|---|--------------|-----|-----|----------------|-----|-----|-------------|--------|------------------|
| Learning the conceptual and factual knowledge of this course. | 9 | 44% | 22% | 22% | 11% | | | | 6.2 | 4 |
| Developing an appreciation for the field in which this course resides. | 9 | 67% | 22% | | 11% | | | | 6.8 | 1 |
| Understanding written material in this field. | 9 | 33% | 44% | 11% | 11% | | | | 6.1 | 6 |
| Developing an ability to express yourself in writing or orally in this field. | 9 | 33% | 56% | | 11% | | | | 6.2 | 5 |
| Understanding and solving problems in this field. | 9 | 44% | 22% | 11% | 22% | | | | 6.2 | 2 |
| Applying the course material to real world issues or other disciplines. | 9 | 44% | 22% | 11% | 22% | | | | 6.2 | 7 |
| General intellectual development. | 9 | 44% | 33% | | 22% | | | | 6.3 | 3 |

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STANDARD OPEN-ENDED QUESTIONS

Was this class intellectually stimulating? Did it stretch your thinking? Why or why not?

2. Yes. The labs Kristina conducted were genuinely entertaining or useful. They each taught a skill that most didn't know prior to the lab.
3. Kristina's lectures were always intellectually stimulating. We learned some really fascinating skills and how these skills are applied in practice.
4. The class was intellectually stimulating but it would be better if we got some technical skills as well.
5. I spend a lot of time studying cybersecurity already, and so I enjoyed the course... but I didn't necessarily learn a whole lot. However, the things that I did learn were super interesting and useful to know.
6. I loved this class. All of the topics were cool and practical.
7. Yes, I learned many new things I haven't known before.

What aspects of this class contributed most to your learning?

1. You are gorgeous.
2. Labs were hands on and technical compared to the general curriculum.
3. Kristina's recommendations on what to read outside of class really enhanced my learning experience beyond the scope of the classroom.
4. The labs contributed the most because they allowed me to apply class concepts to something in real-life.
5. Labs, hands on stuff. A lot of this stuff is great to talk about but it really "clicks" when you get hands on and do it.
6. Everything. The readings fit with the lectures which fit with the labs which fit with the assessments. It was like clockwork. Kristina was a stellar TA. She was always active on the Facebook group posting interesting links to topics outside of this class and even responded to the class' atmosphere by posting extra links to concepts that the class seemed to be struggling with at the time, always offered extra help (even an hour right before the final!) and clarified requirements promptly (fortunately, they were largely easy to understand). I know she mentioned that she didn't like talking too much during class but I think the class would have loved to hear about her expertise and perspectives a little more. This is the only class I took this quarter that I'm actually sad is over because I wanted to be in it longer.
7. I enjoyed the labs.

What aspects of this class detracted from your learning?

2. The book is out dated and a good portion of the information is not relevant.
3. Sometimes we moved through labs a little too quickly or some material was presented at a fairly detailed level and was hard to grasp upon introduction.
4. I think the book detracted from the learning since it was dry and really didn't contribute much other than definitions.
5. N/A
6. N/A.
7. Some of the lectures could have been more organized.

What suggestions do you have for improving the class?

2. Update the book to a more current one. Provide more technical information, and trying to stray away from the policies and mechanism aspect of the class.
3. Please share your work experience in the future!
4. The course would be better if it were more technical especially in the second half of the class.
5. More hands on, dive further into the technical parts. Once again, it's nice to talk about what a VPN is and how it protects people, but discuss how they work, the different types of VPN's, and the advantages/disadvantages of each variant, demo connecting to one and show how you get a new IP address on a tunneling interface. VPN's are just an example; most of things in this course are like this. We did do some great hands on stuff, like the lab on firewalls, or the sql injection lab. I would love to see more of this stuff done, instead of talking about policies/mechanisms for 8/10 weeks.
6. Maybe include worksheets and other types of short homework?
7. Organize the lectures a little more.

Did the technology used in the course help or hinder your learning? Please Explain.

2. It helped. The technology gave us a technical insight that was lacking in other areas.
3. The technology used in the course helped my learning by showing us some real world applications of the concepts that we talked about in lecture.

4. The technology helped because I could see the concepts taught in class applied in something hands-on.
5. definitely helped. It's very important that we used tech in this class since it is the cornerstone of this class. Learning how to use a cisco router a bit, and how sql can be injected into a database is eye opening and allows for better learning/understanding of the concepts when they are all hand-wavey.
6. Definitely helped. The various labs cemented my understanding of the concepts discussed in class (like Wireshark and the ACLs).
7. Technology is necessary in a cybersecurity and information assurance class.