CSCI 6331.80: Cryptography  
Instructor: P. Vora  

Participation: Primary Course Shortened Set  

Results: 9 out of 16 eligible students evaluated this course.  

### About the course  

<table>
<thead>
<tr>
<th>1. Amount you learned in the course</th>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered: 9</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Unanswered: 0</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>(1) Almost nothing [1]</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>1</td>
<td>11%</td>
<td>11%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11%</td>
<td>11%</td>
</tr>
<tr>
<td>(5) A great deal [5]</td>
<td>7</td>
<td>78%</td>
<td>78%</td>
</tr>
</tbody>
</table>

Mean of student responses: ** 4.7  
Standard deviation of student responses: **** 0.7  

<table>
<thead>
<tr>
<th>2. Overall, how would you rate your level of intellectual challenge in the course?</th>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered: 9</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Unanswered: 0</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>(1) Not at all challenged [1]</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>1</td>
<td>11%</td>
<td>11%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>3</td>
<td>33%</td>
<td>33%</td>
</tr>
<tr>
<td>(5) Very challenged [5]</td>
<td>5</td>
<td>56%</td>
<td>56%</td>
</tr>
</tbody>
</table>

Mean of student responses: ** 4.4  
Standard deviation of student responses: **** 0.7  

<table>
<thead>
<tr>
<th>3. Amount of effort / work required was:</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
</table>


### Responses

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Very little [1]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>2</td>
<td>22%</td>
</tr>
<tr>
<td>(5) A great deal [5]</td>
<td>6</td>
<td>67%</td>
</tr>
<tr>
<td>Not applicable / No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mean of student responses: **4.6**

Standard deviation of student responses: ****0.7****

### 4. Overall, how would you rate your level of engagement in the subject matter?

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Not at all engaged [1]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>3</td>
<td>33%</td>
</tr>
<tr>
<td>(5) Very engaged [5]</td>
<td>5</td>
<td>56%</td>
</tr>
</tbody>
</table>

Mean of student responses: **4.4**

Standard deviation of student responses: ****0.7****

### 5. Increased conceptual understanding and/or critical thinking.

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Valid Percent</th>
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</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>8</td>
<td>89%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(1) Not at all engaged [1]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>2</td>
<td>22%</td>
</tr>
<tr>
<td>(5) A great deal [5]</td>
<td>5</td>
<td>56%</td>
</tr>
<tr>
<td>Not applicable / No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mean of student responses: **4.5**

Standard deviation of student responses: ****0.7****

### 6. Course content was organized in a manner that facilitated learning.

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Not at all [1]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>2</td>
<td>22%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(5) Completely [5]</td>
<td>6</td>
<td>67%</td>
</tr>
<tr>
<td>Not applicable / No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mean of student responses: **4.4**

Standard deviation of student responses: ****0.8****

### 7. Number of hours per week outside of class typically spent doing readings, assignments, reviewing notes, writing papers, studying for exams

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1) Not at all [1]</td>
<td></td>
<td></td>
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<tr>
<td>(2) [2]</td>
<td></td>
<td></td>
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<td>(4) [4]</td>
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<tr>
<td>(5) Completely [5]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable / No opinion [x]</td>
<td></td>
<td></td>
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</tbody>
</table>

Mean of student responses: **4.5**

Standard deviation of student responses: ****0.8****
## Responses

<table>
<thead>
<tr>
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<th>All</th>
<th>Valid Percent¹</th>
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</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Less than one hour or none</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>1-2 hours</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>3-4 hours</td>
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<td>11%</td>
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<tr>
<td>5-6 hours</td>
<td>3</td>
<td>33%</td>
</tr>
<tr>
<td>7-8 hours</td>
<td>1</td>
<td>11%</td>
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<tr>
<td>9-10 hours</td>
<td>2</td>
<td>22%</td>
</tr>
<tr>
<td>More than 10 hours</td>
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<td>11%</td>
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</table>

### 8. Overall rating of the course

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- (1) Poor [1]                                  0 0% 0%
- (2) [2]                                       0 0% 0%
- (3) [3]                                       0 0% 0%
- (4) [4]                                       1 11% 11%
- (5) Excellent [5]                             8 89% 89%

Mean of student responses: ** 4.9
Standard deviation of student responses: **** 0.3

### About the instructor

#### 9. Was knowledgeable about the subject and course material.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- (1) Not at all knowledgeable [1] 0 0% 0%
- (2) [2] 0 0% 0%
- (3) [3] 0 0% 0%
- (4) [4] 0 0% 0%
- (5) Very knowledgeable [5] 9 100% 100%

Mean of student responses: ** 5.0
Standard deviation of student responses: **** 0.0

### 10. Accessibility outside of class.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

- (1) Not at all accessible [1] 0 0% 0%
- (2) [2] 0 0% 0%
- (3) [3] 1 11% 11%
- (4) [4] 1 11% 11%
- (5) Very accessible [5] 7 78% 78%

Mean of student responses: ** 4.7
Standard deviation of student responses: **** 0.7

### 11. Enthusiasm for topic/subject.

<table>
<thead>
<tr>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
</table>
### Responses

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Not at all enthusiastic [1]</td>
<td>0</td>
<td>0% 0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0% 0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0% 0%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>0</td>
<td>0% 0%</td>
</tr>
<tr>
<td>(5) Very enthusiastic [5]</td>
<td>9</td>
<td>100% 100%</td>
</tr>
<tr>
<td>Not applicable / No opinion [x]</td>
<td>0</td>
<td>0% --</td>
</tr>
</tbody>
</table>

**Mean of student responses:** **5.0**  
**Standard deviation of student responses:** **** 0.0

### 12. Designed and used fair grading procedures.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>(1) Not at all fair [1]</td>
<td>0</td>
<td>0% 0%</td>
<td></td>
</tr>
<tr>
<td>(2) [2]</td>
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<td>0% 0%</td>
<td></td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0% 0%</td>
<td></td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11% 11%</td>
<td></td>
</tr>
<tr>
<td>(5) Very fair [5]</td>
<td>8</td>
<td>89% 89%</td>
<td></td>
</tr>
<tr>
<td>Not applicable / No opinion [x]</td>
<td>0</td>
<td>0% --</td>
<td></td>
</tr>
</tbody>
</table>

**Mean of student responses:** **4.9**  
**Standard deviation of student responses:** **** 0.3


<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>(1) Not adequate [1]</td>
<td>0</td>
<td>0% 0%</td>
<td></td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0% 0%</td>
<td></td>
</tr>
<tr>
<td>(3) [3]</td>
<td>1</td>
<td>11% 11%</td>
<td></td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11% 11%</td>
<td></td>
</tr>
<tr>
<td>(5) Very adequate [5]</td>
<td>7</td>
<td>78% 78%</td>
<td></td>
</tr>
<tr>
<td>Not applicable / No opinion [x]</td>
<td>0</td>
<td>0% --</td>
<td></td>
</tr>
</tbody>
</table>

**Mean of student responses:** **4.7**  
**Standard deviation of student responses:** **** 0.7

### 14. Overall rating of the instructor

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>(1) Poor [1]</td>
<td>0</td>
<td>0% 0%</td>
<td></td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0% 0%</td>
<td></td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0% 0%</td>
<td></td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11% 11%</td>
<td></td>
</tr>
<tr>
<td>(5) Excellent [5]</td>
<td>8</td>
<td>89% 89%</td>
<td></td>
</tr>
</tbody>
</table>

**Mean of student responses:** **4.9**  
**Standard deviation of student responses:** **** 0.3

### 15. Use this space for any comments you may have about the course, the instructor, readings, etc.

**Student 1:** This is the best instructor I've encountered so far in GW computer science department! Friendly and really accessible outside of classroom! I like the structure of the course where there are multiple tests throughout the semester. The only thing that I didn't really like is the textbook. I find the textbook is a little difficult to follow and understand at times. Perhaps we could utilize another
Department-Specific Questions

16. I had met all the specified prerequisites for the course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
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<td>9</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>7</td>
<td>78%</td>
</tr>
<tr>
<td>Not applicable/No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mean of student responses: ** 4.4
Standard deviation of student responses: **** 1.3

17. My previous coursework had adequately prepared me for the course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(2) [2]</td>
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<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>6</td>
<td>67%</td>
</tr>
<tr>
<td>Not applicable/No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mean of student responses: ** 4.2
Standard deviation of student responses: **** 1.3

18. Through the course, I gained considerable experience in effective techniques for solving real world problems.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
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<td>8</td>
<td>89%</td>
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</tr>
<tr>
<td>(1) Do not agree</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
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<td>0</td>
<td>0%</td>
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<td>0</td>
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<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>7</td>
<td>78%</td>
</tr>
<tr>
<td>Not applicable/No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mean of student responses: ** 4.9
Standard deviation of student responses: **** 0.3

19. My skills in design have been helped by taking this course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
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<td>9</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Department-Specific Questions

16. I had met all the specified prerequisites for the course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>7</td>
<td>78%</td>
</tr>
<tr>
<td>Not applicable/No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mean of student responses: ** 4.4
Standard deviation of student responses: **** 1.3

17. My previous coursework had adequately prepared me for the course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>6</td>
<td>67%</td>
</tr>
<tr>
<td>Not applicable/No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Mean of student responses: ** 4.2
Standard deviation of student responses: **** 1.3

18. Through the course, I gained considerable experience in effective techniques for solving real world problems.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>8</td>
<td>89%</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>7</td>
<td>78%</td>
</tr>
<tr>
<td>Not applicable/No opinion [x]</td>
<td>0</td>
<td>0%</td>
</tr>
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</table>

Mean of student responses: ** 4.9
Standard deviation of student responses: **** 0.3

19. My skills in design have been helped by taking this course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
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<td>100%</td>
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<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
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<tr>
<td>(1) Do not agree</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>
### 20. My skills in programming have been helped by taking this course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
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<td>9</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(2) [2]</td>
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<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
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</tr>
<tr>
<td>(4) [4]</td>
<td>2</td>
<td>22%</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>6</td>
<td>67%</td>
</tr>
<tr>
<td>Not applicable/No opinion</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

**Mean of student responses:** **4.6**

**Standard deviation of student responses:** ****1.0

### 21. My skills in communication have been helped by taking this course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
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<td>0%</td>
</tr>
<tr>
<td>(4) [4]</td>
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</tr>
<tr>
<td>(5) Strongly agree</td>
<td>5</td>
<td>56%</td>
</tr>
<tr>
<td>Not applicable/No opinion</td>
<td>3</td>
<td>33%</td>
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</table>

**Mean of student responses:** **4.3**

**Standard deviation of student responses:** ****1.2

### 22. My skills in teamwork have been helped by taking this course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>1</td>
<td>11%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>6</td>
<td>67%</td>
</tr>
<tr>
<td>Not applicable/No opinion</td>
<td>2</td>
<td>22%</td>
</tr>
</tbody>
</table>

**Mean of student responses:** **4.4**

**Standard deviation of student responses:** ****1.4

### 23. My skills in social responsibility or ethics have been helped by taking this course.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Answered:</strong></td>
<td>7</td>
<td>78%</td>
</tr>
<tr>
<td><strong>Unanswered:</strong></td>
<td>2</td>
<td>22%</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

**Mean of student responses:** **78%**

**Standard deviation of student responses:** ****22%
24. The textbooks and/or recommended resources were helpful.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
</tr>
<tr>
<td>Unanswered:</td>
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</tr>
<tr>
<td>(1) Do not agree</td>
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<tr>
<td>(2) [2]</td>
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</tr>
<tr>
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<td>1</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>0</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>8</td>
</tr>
<tr>
<td>Not applicable/No opinion</td>
<td>0</td>
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</tbody>
</table>

Mean of student responses: **5.0
Standard deviation of student responses: ****0.0

25. Homework, projects and other assignments were effective in reinforcing learning.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>8</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>1</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>0</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
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<tr>
<td>(3) [3]</td>
<td>1</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>0</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>7</td>
</tr>
<tr>
<td>Not applicable/No opinion</td>
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</table>

Mean of student responses: **4.8
Standard deviation of student responses: ****0.6

26. The course broadly emphasized the fundamental concepts of computer science.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
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</tr>
<tr>
<td>Unanswered:</td>
<td>2</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>0</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
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<tr>
<td>(3) [3]</td>
<td>0</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>0</td>
</tr>
<tr>
<td>(5) Strongly agree</td>
<td>6</td>
</tr>
<tr>
<td>Not applicable/No opinion</td>
<td>1</td>
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</table>

Mean of student responses: **5.0
Standard deviation of student responses: ****0.0

27. The course provided a useful balance between theory and practice.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>8</td>
</tr>
<tr>
<td>Unanswered:</td>
<td>1</td>
</tr>
<tr>
<td>(1) Do not agree</td>
<td>0</td>
</tr>
<tr>
<td>(2) [2]</td>
<td>0</td>
</tr>
<tr>
<td>(3) [3]</td>
<td>0</td>
</tr>
<tr>
<td>(4) [4]</td>
<td>1</td>
</tr>
</tbody>
</table>
28. The course was too narrowly focused.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent</th>
</tr>
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<tbody>
<tr>
<td>Answered:</td>
<td>8</td>
<td>89%</td>
<td></td>
</tr>
<tr>
<td>Unanswered:</td>
<td>1</td>
<td>11%</td>
<td></td>
</tr>
</tbody>
</table>

- (1) Do not agree [1]  4  44%  50%
- (2) [2]               1  11%  13%
- (3) [3]               1  11%  13%
- (4) [4]               0  0%   0%
- (5) Strongly agree [5]  2  22%  25%

Mean of student responses: **  4.9
Standard deviation of student responses: ****  0.3

29. The exams were an appropriate reflection of the lectures and readings.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent</th>
</tr>
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<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

- (1) Do not agree [1]  1  11%  11%
- (2) [2]               0  0%   0%
- (3) [3]               1  11%  11%
- (4) [4]               2  22%  22%
- (5) Strongly agree [5]  5  56%  56%

Mean of student responses: **  4.1
Standard deviation of student responses: ****  1.3

30. Lab and computer equipment provided by the department were adequate for completing course assignments.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>8</td>
<td>89%</td>
<td></td>
</tr>
<tr>
<td>Unanswered:</td>
<td>1</td>
<td>11%</td>
<td></td>
</tr>
</tbody>
</table>

- (1) Do not agree [1]  0  0%   0%
- (2) [2]               0  0%   0%
- (3) [3]               0  0%   0%
- (4) [4]               0  0%   0%
- (5) Strongly agree [5]  7  78%  100%

Mean of student responses: **  5.0
Standard deviation of student responses: ****  0.0

31. I received the grade I had expected.

<table>
<thead>
<tr>
<th>Number Responses</th>
<th>Percent</th>
<th>All</th>
<th>Valid Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Answered:</td>
<td>9</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Unanswered:</td>
<td>0</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

- (1) Do not agree [1]  1  11%  14%
- (2) [2]               0  0%   0%
- (3) [3]               0  0%   0%
<p>| | | | | |</p>
<table>
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<th></th>
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</thead>
<tbody>
<tr>
<td>[4] [4]</td>
<td>3</td>
<td>33%</td>
<td></td>
<td></td>
</tr>
<tr>
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<td>2</td>
<td>22%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mean of student responses:</strong></td>
<td><strong>4.0</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Standard deviation of student responses:</strong></td>
<td><strong>1.3</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 - Valid Percent: Excludes missing, not applicable, and/or blank responses.

** - Mean of student responses: The mean is the arithmetic average of a set of scores found by summing the scores from each student and dividing that sum by the number of students who answered with a valid answer to this question.

*** - Mean of courses: The mean is the arithmetic average of a set of scores found by summing the mean from each course and dividing that sum by the number of courses that asked this question. This can be viewed as the mean of means of courses.

**** - Standard deviation of student responses: A measure of the variability or dispersion in a set of scores that provides an indication of the average amount by which the student scores deviate from the student mean of the distribution

***** - Standard deviation of courses: A measure of the variability or dispersion in a set of scores (mean of each course) that provides an indication of the average amount by which each of the course mean deviates from the mean of the distribution of all course means. This is the standard deviation that you should refer to if you are comparing one course to all the courses.

### Statistics for Students

**Statistics for the 9 students who submitted this evaluation:**

<table>
<thead>
<tr>
<th>Student Level</th>
<th>College</th>
<th>Major</th>
<th>Degree Status</th>
<th>Expected Graduation Date</th>
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</thead>
<tbody>
<tr>
<td>Graduate</td>
<td>100%</td>
<td>Applied Mathematics 11%</td>
<td>Master of Science 89%</td>
<td>05-2017 56%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Computer Science 56%</td>
<td>PhD 11%</td>
<td>05-2022 11%</td>
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<tr>
<td></td>
<td></td>
<td>CybersecurityInComputerScience 22%</td>
<td></td>
<td>12-2015 22%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physics 11%</td>
<td></td>
<td>12-2017 11%</td>
</tr>
</tbody>
</table>

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