## Part 1: Student Evaluation of the Course

### 1 Textbook/supplementary material in support of the course.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Good</td>
<td>8</td>
<td>30.77%</td>
</tr>
<tr>
<td>Good</td>
<td>13</td>
<td>50.00%</td>
</tr>
<tr>
<td>Fair</td>
<td>3</td>
<td>11.54%</td>
</tr>
<tr>
<td>Poor</td>
<td>2</td>
<td>7.69%</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Avg 4.04

### 2 Value of assigned homework in support of course topics.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Good</td>
<td>17</td>
<td>65.38%</td>
</tr>
<tr>
<td>Good</td>
<td>8</td>
<td>30.77%</td>
</tr>
<tr>
<td>Fair</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Poor</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Avg 4.58

### 3 Value of laboratory assignments/projects in support of the course topics.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Good</td>
<td>6</td>
<td>23.08%</td>
</tr>
<tr>
<td>Good</td>
<td>6</td>
<td>23.08%</td>
</tr>
<tr>
<td>Fair</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Poor</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>13</td>
<td>50.00%</td>
</tr>
</tbody>
</table>

Avg 4.31

### 4 Reasonableness of exams and quizzes in covering course material.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Good</td>
<td>14</td>
<td>53.85%</td>
</tr>
<tr>
<td>Good</td>
<td>10</td>
<td>38.46%</td>
</tr>
<tr>
<td>Fair</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Poor</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Avg 4.42

### 5 Weight given to labs or projects, relative to exams and quizzes.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Good</td>
<td>7</td>
<td>26.92%</td>
</tr>
<tr>
<td>Good</td>
<td>7</td>
<td>26.92%</td>
</tr>
<tr>
<td>Fair</td>
<td>2</td>
<td>7.69%</td>
</tr>
<tr>
<td>Poor</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>9</td>
<td>34.62%</td>
</tr>
</tbody>
</table>

Avg 4.18

### 6 Weight given to homework assignments, relative to exams and quizzes.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Good</td>
<td>13</td>
<td>50.00%</td>
</tr>
<tr>
<td>Good</td>
<td>12</td>
<td>46.15%</td>
</tr>
</tbody>
</table>
### 7 Definition and application of criteria for grading.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Good</td>
<td>16</td>
<td>61.54%</td>
</tr>
<tr>
<td>Good</td>
<td>8</td>
<td>30.77%</td>
</tr>
<tr>
<td>Fair</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Poor</td>
<td>2</td>
<td>7.69%</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

**Avg 4.46**

### Part 2: Student Evaluation of Instructor

#### 8 The instructor was well prepared.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>22</td>
<td>84.62%</td>
</tr>
<tr>
<td>Usually</td>
<td>3</td>
<td>11.54%</td>
</tr>
<tr>
<td>50% of the time</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Occasionally</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Almost Never</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

**Avg 4.77**

#### 9 The instructor communicated ideas clearly.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>24</td>
<td>92.31%</td>
</tr>
<tr>
<td>Usually</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>50% of the time</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Occasionally</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Almost Never</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

**Avg 4.85**

#### 10 The instructor or assistants were available for outside assistance.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>19</td>
<td>73.08%</td>
</tr>
<tr>
<td>Usually</td>
<td>4</td>
<td>15.38%</td>
</tr>
<tr>
<td>50% of the time</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Occasionally</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Almost Never</td>
<td>2</td>
<td>7.69%</td>
</tr>
</tbody>
</table>

**Avg 4.42**

#### 11 The instructor exhibited enthusiasm for and interest in the subject.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>22</td>
<td>84.62%</td>
</tr>
<tr>
<td>Usually</td>
<td>3</td>
<td>11.54%</td>
</tr>
<tr>
<td>50% of the time</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Occasionally</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Almost Never</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

**Avg 4.77**

#### 12 The instructor's approach stimulated student thinking.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>17</td>
<td>65.38%</td>
</tr>
<tr>
<td>Usually</td>
<td>8</td>
<td>30.77%</td>
</tr>
</tbody>
</table>
The instructor related course material to its applications.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>15</td>
<td>57.69%</td>
</tr>
<tr>
<td>Usually</td>
<td>8</td>
<td>30.77%</td>
</tr>
<tr>
<td>50% of the time</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Occasionally</td>
<td>2</td>
<td>7.69%</td>
</tr>
<tr>
<td>Almost Never</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Avg 4.58

The instructor’s methods of presentation supported student learning.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>21</td>
<td>80.77%</td>
</tr>
<tr>
<td>Usually</td>
<td>4</td>
<td>15.38%</td>
</tr>
<tr>
<td>50% of the time</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Occasionally</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Almost Never</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Avg 4.38

The instructor’s grading was fair, impartial, and adequate.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>21</td>
<td>80.77%</td>
</tr>
<tr>
<td>Usually</td>
<td>3</td>
<td>11.54%</td>
</tr>
<tr>
<td>50% of the time</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Occasionally</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td>Almost Never</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Avg 4.69

The instructor returned graded materials within a reasonable period.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almost Always</td>
<td>16</td>
<td>61.54%</td>
</tr>
<tr>
<td>Usually</td>
<td>4</td>
<td>15.38%</td>
</tr>
<tr>
<td>50% of the time</td>
<td>3</td>
<td>11.54%</td>
</tr>
<tr>
<td>Occasionally</td>
<td>3</td>
<td>11.54%</td>
</tr>
<tr>
<td>Almost Never</td>
<td>0</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Avg 4.27

Part 2 Overall Avg: 4.61

Overall Evaluation of the Course and Instructor

17 Overall quality of the course and instruction.

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent</td>
<td>19</td>
<td>73.08%</td>
</tr>
<tr>
<td>Very Good</td>
<td>6</td>
<td>23.08%</td>
</tr>
<tr>
<td>Good</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Fair</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Poor</td>
<td>1</td>
<td>3.85%</td>
</tr>
</tbody>
</table>

Avg 4.62

18 How do you rate yourself as a student in this course?

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent</td>
<td>8</td>
<td>30.77%</td>
</tr>
<tr>
<td>Very Good</td>
<td>8</td>
<td>30.77%</td>
</tr>
<tr>
<td>Rating</td>
<td>Count</td>
<td>Percentage</td>
</tr>
<tr>
<td>--------</td>
<td>-------</td>
<td>------------</td>
</tr>
<tr>
<td>Good</td>
<td>9</td>
<td>34.62%</td>
</tr>
<tr>
<td>Fair</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Poor</td>
<td>1</td>
<td>3.85%</td>
</tr>
<tr>
<td><strong>Avg</strong></td>
<td><strong>3.85</strong></td>
<td></td>
</tr>
</tbody>
</table>

**General Information**

19. Is this a required course in your program of study?

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>19</td>
<td>73.08%</td>
</tr>
<tr>
<td>No</td>
<td>7</td>
<td>26.92%</td>
</tr>
</tbody>
</table>

20. What are the average hours/week spent studying for this course?

<table>
<thead>
<tr>
<th>Response</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>30.77%</td>
</tr>
<tr>
<td>8</td>
<td>13</td>
<td>50.00%</td>
</tr>
<tr>
<td>16</td>
<td>5</td>
<td>19.23%</td>
</tr>
</tbody>
</table>

21. What is your class standing?

<table>
<thead>
<tr>
<th>Class Standing</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Student</td>
<td>22</td>
<td>84.62%</td>
</tr>
<tr>
<td>Senior</td>
<td>3</td>
<td>11.54%</td>
</tr>
<tr>
<td>Junior</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Sophomore</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Freshman</td>
<td>1</td>
<td>3.85%</td>
</tr>
</tbody>
</table>

22. What % of the class meetings have you attended?

<table>
<thead>
<tr>
<th>Attendance Range</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 to 29</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>30 to 49</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>50 to 69</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>70 to 89</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>90 to 100</td>
<td>26</td>
<td>100.00%</td>
</tr>
</tbody>
</table>

23. What did you like most about this course?

The instructor is excellent in teaching and committed to help students learn the materials. Also, the office hour sessions were a great help.

The concepts were explained in very good manner which made this difficult subject east for me.

It is a great course! Random signal theory was taught very well It strengthened concepts in probability and random processes. I also liked the fact that detection and estimation theory too was introduced in the course. It helped me a lot with my research.

Even though it is a hard subject, the teaching made it simpler. Amazing Work.

The way professor Cochran taught it

Professor was able to explain concepts in an easy to understand way. I feel like I gained a lot of intuitive understanding about the subject.

Dr. Cochran is one of the best professors I've had, and I found the course material to be incredibly relevant to my interests and research.

Cochran was a great teacher and very prepared

The subject was interesting and the teacher was very capable (entertaining while teaching).

Taking a graduate level course as an undergrad is always challenging, but I have learned a lot.
from the material presented in this class.

Wonderful lecture style, and content happened to line up with another class, creating a back-and-forth; also, homework was difficult but not overwhelming

the course has got more numerical problems and the instructor is really helpful and he teaches nicely

Dr. Cochran has very good class notes. They are well organized and the examples are easy to understand.

<table>
<thead>
<tr>
<th>24</th>
<th>What did you like least about this course?</th>
</tr>
</thead>
<tbody>
<tr>
<td>The textbook.</td>
<td></td>
</tr>
<tr>
<td>The difficulty of the exams and assignments.</td>
<td></td>
</tr>
<tr>
<td>A lot of basic statistic part which are at some level not matter in my MSE</td>
<td></td>
</tr>
<tr>
<td>I would prefer if the assignments are a bit harder and more challenging. The class could be a bit more fast paced so that we could also learn more about random processes and other topics.</td>
<td></td>
</tr>
<tr>
<td>The textbook</td>
<td></td>
</tr>
<tr>
<td>It is a bit tough compared to the other courses in the semester</td>
<td></td>
</tr>
<tr>
<td>Throughout the course, I feel like there was not enough connection to real world applications. They were mentioned, but sometimes, applications of a topic were not mentioned.</td>
<td></td>
</tr>
<tr>
<td>My only complaints are that the class had little to no direct reference to applications (though “theory” is in the name of the course) and that homework assignments were not handed back in a timely manner, though this was the work of the TA rather than the instructor.</td>
<td></td>
</tr>
<tr>
<td>The last section of material was slightly rushed as the semester came to a close</td>
<td></td>
</tr>
<tr>
<td>It was hard for me to focus (on the class overall) due to life circumstances.</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Office hours were not enough for the class of this size, but Dr. Cochran was almost always available via appointment.</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>The book suggested should be changed</td>
<td></td>
</tr>
<tr>
<td>The textbook didn't help too much and it is hard to read sometimes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>25</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>It was a really useful course, and with a better textbook and including more application-related materials, that would an excellent course.</td>
<td></td>
</tr>
<tr>
<td>Would be appreciated if the professor was more approachable.</td>
<td></td>
</tr>
<tr>
<td>GOOD</td>
<td></td>
</tr>
<tr>
<td>The course by itself is quite well structured and does a good job of introducing us to basics of probability. However, this is not really sufficient. I am glad a follow-up course of Digital spectral Analysis is on offer. I hope that it completes (in some sense) our learning about probability and random processes.</td>
<td></td>
</tr>
<tr>
<td>Happy with everything except the textbook</td>
<td></td>
</tr>
<tr>
<td>One of the best instructors at ASU. Professor explains difficult subjects very well.</td>
<td></td>
</tr>
<tr>
<td>Great class!</td>
<td></td>
</tr>
<tr>
<td>I'm glad Cochran taught this course; he has a gift for teaching</td>
<td></td>
</tr>
<tr>
<td>Thank you!</td>
<td></td>
</tr>
<tr>
<td>Cochran put together a well formatted, enriching course. Highly recommend Cochran.</td>
<td></td>
</tr>
</tbody>
</table>