## Analysis of Classroom Evaluations

**COLLEGE OF ENGINEERING**

EEE550A  
Credit Hours: 3  
Enrollment: 32  
87651  
Number of Respondents: 32  
COCHRAN D  
SPRING Semester, 1990

### A - Almost Always; B - Usually; C - 50% of time; D - Occasionally; E - Almost Never

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**THE INSTRUCTOR**

Q8: The instructor was well prepared.
Q9: The instructor communicated ideas clearly.
Q10: The instructor or assistants were available for outside assistance.
Q11: The instructor exhibited enthusiasm for and interest in the subject.
Q12: The instructor’s approach stimulated student thinking.
Q13: The instructor related course material to its application.
Q14: The instructor’s methods of presentation supported student learning.
Q15: The instructor’s grading was fair, impartial, and adequate.
Q16: The instructor returned graded materials within a reasonable time period.

<table>
<thead>
<tr>
<th>Scale</th>
<th>A</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
<th>Mean</th>
<th>C.V.</th>
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</thead>
<tbody>
<tr>
<td>Q8</td>
<td>24</td>
<td>77%</td>
<td>13%</td>
<td>10%</td>
<td>0%</td>
<td>0%</td>
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<tr>
<td>Q9</td>
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<tr>
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<tr>
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<td>0%</td>
<td>4.33</td>
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<tr>
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<tr>
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<td>12%</td>
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<td>0%</td>
<td>4.13</td>
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</tbody>
</table>

**Averages**  
60%  
21%  
15%  
3%  
1%  
4.37
### OVERALL

**Q17:** Overall quality of the course and instruction.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Frequency</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX</td>
<td>14</td>
<td>48%</td>
</tr>
<tr>
<td>VG</td>
<td>9</td>
<td>31%</td>
</tr>
<tr>
<td>C</td>
<td>4</td>
<td>14%</td>
</tr>
<tr>
<td>P</td>
<td>2</td>
<td>7%</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
<td>0%</td>
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</tbody>
</table>

**Mean:** 4.21 | **C.V.:** 0.22

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**Q18:** How do you rate yourself as a student in this course?

<table>
<thead>
<tr>
<th>Grade</th>
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<tr>
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<tr>
<td>VG</td>
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<td>41%</td>
</tr>
<tr>
<td>C</td>
<td>14</td>
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<td>P</td>
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<tr>
<td>F</td>
<td>0</td>
<td>0%</td>
</tr>
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**Q19:** Is this a required course in your program of study?

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
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<tbody>
<tr>
<td>33%</td>
<td>63%</td>
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</tbody>
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**Q20:** What are the average hours/week spent studying for this course?

<table>
<thead>
<tr>
<th>Hours</th>
<th>Frequency</th>
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<td>16</td>
<td>7</td>
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<tr>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
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**Q21:** What is your class standing?

<table>
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<th>Class</th>
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<td>FR</td>
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<tr>
<td>SO</td>
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<tr>
<td>JR</td>
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</tr>
<tr>
<td>GR</td>
<td>31</td>
</tr>
</tbody>
</table>

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**Q22:** What % of the class meetings have you attended?

<table>
<thead>
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<th>Percentage</th>
<th>Frequency</th>
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<tbody>
<tr>
<td>90-100</td>
<td>30</td>
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<tr>
<td>70-90</td>
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<tr>
<td>50-69</td>
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<td>30-49</td>
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</tr>
<tr>
<td>10-29</td>
<td>0</td>
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</tbody>
</table>

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**Q22 Perc:**

<table>
<thead>
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<tbody>
<tr>
<td>97%</td>
<td>97</td>
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<tr>
<td>0%</td>
<td>0</td>
</tr>
<tr>
<td>3%</td>
<td>3</td>
</tr>
<tr>
<td>0%</td>
<td>0</td>
</tr>
<tr>
<td>0%</td>
<td>0</td>
</tr>
</tbody>
</table>
THE COURSE

Q1: Textbook/supplementary material in support of the course.
Q2: Value of assigned homework in support of the course topics.
Q3: Value of laboratory experiments/projects in support of the course topics.
Q4: Reasonableness of exams and quizzes in covering course material.
Q5: Weight given to labs or projects, relative to exams and quizzes.
Q6: Weight given to homework assignments relative to exams and quizzes.
Q7: Definition and application of criteria for grading.

<table>
<thead>
<tr>
<th>Scale</th>
<th>VG</th>
<th>G</th>
<th>F</th>
<th>P</th>
<th>NA</th>
<th>Mean</th>
<th>C.V.</th>
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<tbody>
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<td>5%</td>
<td>11%</td>
<td>11%</td>
<td>3%</td>
<td>10%</td>
<td>2.78</td>
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<td>Q2 Freq: 12%</td>
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<td>81%</td>
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<td>3%</td>
<td>4.38</td>
<td>0.18</td>
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<td>50%</td>
<td>0%</td>
<td>4.23</td>
<td>0.22</td>
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<tr>
<td>Q7 Freq: 48%</td>
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<td>1%</td>
<td>0%</td>
<td>4.37</td>
<td>0.19</td>
</tr>
<tr>
<td>Perc: 53%</td>
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<td>10%</td>
<td>3%</td>
<td>0%</td>
<td>21%</td>
<td>4.07</td>
<td></td>
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</table>
26. What did you like most about this course?

I think Professor Cochran is the ideal instructor. He presents ideas very well and gives every opportunity to get a good knowledge-based grade.

27. What did you like least about this course?

They should enforce prerequisites. A lot of material needed to be covered that shouldn't have been.
26. What did you like most about this course?

Lectures were organized and notes presented in such a way that my notes made sense after going back to them. Dr. (Correct) enthusiasm and time spent on the class as well as the students made the class material more interesting. One might describe learning this material as a "dynamic" instead of the often "passive" experience.

27. What did you like least about this course?

Though the class does not follow a text, one available as supplement would have helped.

The current text was useless for the sections that were covered in class.
26. What did you like most about this course?

Dr. Cookson is excellent, thorough, well prepared, etc. Best course I've had at ASU! Homework was hard but benefits from struggling through it were great!

27. What did you like least about this course?

I took the course for the material on inverse Laplace / Z transforms. Was disappointed we only spent 20 min. on these topics.
26. What did you like most about this course? 

This was a very insightful course which I'm sure you'll find very valuable. Although I've been out of school for ten years and was somewhat weak in the mathematical disciplines (hence the reason for taking the course), the instructor was able to convey the material clearly and allow me to be comfortable with it.

27. What did you like least about this course? 

Although the homeworks given seemed to have enough time allowed to be completed, the insights gained in class were sometimes too late to be incorporated into the homework results. This is not all bad, the struggle with the homeworks was instructive in its own way.

28. I was very pleased with this class. At the outset, I was concerned that I might be in over my head, but due to the quality of the instruction and a lot of hard work, I feel at the end of the class that I've made up for being out of school for so long and that I'm ready handle material that I wouldn't have considered before.
26. What did you like most about this course?

Your willingness to help slow students get up to par on material that really should have been known.

27. What did you like least about this course?

The book - Jeff Martin

One of the best courses I've taken. I came in with a shaky background in signal processing stuff, but managed to get a lot out of the class. I know you were frustrated and some of the students' (probably me) lack of background, but there is a lot for them (us) to get from your course. Thanks for all of your help.
26. What did you like most about this course?


27. What did you like least about this course?

A FEW MORE EXAMPLES WOULD BE NICE.
WRITE-IN AREA 1  26. What did you like most about this course?

The uniqueness of the material covered.

WRITE-IN AREA 2  27. What did you like least about this course?

Not enough real applications in engineering, especially inverse transforms and inverse transform theory, especially inverse Laplace transforms.

WRITE-IN AREA 3
26. What did you like most about this course?

27. What did you like least about this course?

Class seemed much more suited for the Math department. One would expect a class taught in the EE department to concentrate more on applications than theory. While abstract set theory is interesting in its own way, it is not what I expect to get in a transforms class.
26. What did you like most about this course?
   Instructors' enthusiasm and assumption of student integrity. Homework assignments that required some original thinking. Theoretic emphasis.

27. What did you like least about this course?
   Background material for homework not covered until well after the assignments. Perhaps too much time spent on little-used definitions (would like to have had more time on major topics).

   Perhaps a mathematics prerequisite for this course would allow more emphasis on the major topics.
26. What did you like most about this course?

Background understanding of complex variables. Integration background was also nice.

27. What did you like least about this course?

Not using the textbook. Sometimes I was uncertain on what topics were most important. I always prefer using a textbook. A book also shows me where we might be heading.
26. What did you like most about this course?

well organized
reasonable teacher
quite thorough

27. What did you like least about this course?

Homework not in synch w/ course material
Not enough conditions of theorems or aspects covered in class
26. What did you like most about this course?
The instructor and his approach toward teaching this material.

27. What did you like least about this course?
The textbook, which was basically not used. Fortunately, it was inexpensive.
26. What did you like most about this course?

Usually, this kind of course simply gives a calculation technique. However, we are always afraid that we may be using formulas which is not applicable. This course is very mathematical, but I like it since we can have "confidence" using formulas by clear mathematical understanding.

27. What did you like least about this course?
26. What did you like most about this course?

The high view point.

27. What did you like least about this course?

application.

need more practice problem.

need more example in engineering.

need to show how to solve engineering problem.
WRITE-IN AREA 1
26. What did you like most about this course?
Homeworks with applications problems

WRITE-IN AREA 2
27. What did you like least about this course?
That we did not cover much material

WRITE-IN AREA 3
Should have avoided long proofs of theorems (like Cauchy's).
I wish we spent more time on Z transforms.

DO NOT MARK IN THIS SHADED AREA
26. What did you like most about this course?

27. What did you like least about this course?

TEXT BOOK WAS OF VERY LITTLE VALUE.
COURSE SEEMS TO REQUIRE SOME ADDITIONAL COURSES BEFORE TAKING
26. What did you like most about this course?

(1) Different topics presented in class.
(2) The lecture was very organized and pleasant.
(3) The time of the day in which the class was offered.

27. What did you like least about this course?

(1) The heavy weight on the HW assignments.
(2) The degree of difficulty of some of the problems assigned.
(3) The partial credit on HW and exam problems was not, in my opinion, fair sometimes.
26. What did you like most about this course?

This class integrated topics I have covered in other classes connecting many topics I had previously thought un-related.

27. What did you like least about this course?

The lack of a textbook was inconvenient for me. I found myself searching text from previous courses. For other students without my background I think this may have been extremely difficult.
26. What did you like most about this course?
   2. Dr. C. is well organized in teaching.

27. What did you like least about this course?
   He is a little too slow. I hope he cut some of the "announcements" and "last time's off and spend more time on real stuff."
26. What did you like most about this course?

Topics covered especially Hilbert Spaces & Measure Theory.

27. What did you like least about this course?

Lepage book did not supplement topics covered in class.
26. What did you like **most** about this course?

IT RELATED MANY TOPICS THAT WERE NOT CONNECTED FOR ME BEFORE.

27. What did you like **least** about this course?

NO ADVANCED MATERIAL COVERED.
27. What did you like least about this course?

The assignment (at least one of three) had nothing to do with the lecture. That was not a good idea.
26. What did you like most about this course?

very well organized lecture

interesting HW assignments

27. What did you like least about this course?
26. What did you like most about this course?

The subjects covered in this course were very important to many of my other studies.

27. What did you like least about this course?

Overall, this course was excellent!
26. What did you like **most** about this course?

   The instructor, giving out the notes (either that or a textbook is a necessity for me).

27. What did you like **least** about this course?

   Not enough applications... I knew there were time constraints and all, but I think it would have helped.
26. What did you like most about this course?

Very informative course. Kept much with the outline of the course. The teaching of this course was much better organized than any other Grad course taken in IEEE Dept.

27. What did you like least about this course?

Participation with on-site students was once again $. The off-site students suffer from a time lag in communication and so don't call. There needs to be some class participation, we obviously will have similar questions.