

2013 Scanning Sheet. Assignment Description: _____ Instructor: _____ Date: _____ Scanned File Name: _____

| ABET Outcomes | | | | | | | | | | | Rubric or student % | Example problem | Outcome # | EE 472 Digital Signal Processing (3) - Outcomes Reviewed 2013 |
|---------------|---|---|---|---|---|---|---|---|---|---|---------------------|-----------------|-----------|---|
| A | B | C | D | E | F | G | H | I | J | K | | | | |
| 2 | | | | | | | | | | | | | 1 | Analyze discrete-time systems using Z-transform. |
| 2 | | | | 1 | | | | | | | | | 2 | Analyze the effect of sampling continuous-time signals. |
| 2 | | | | | | | | | | | | 2 | 3 | Use the Discrete Fourier Transform and its associated computational algorithms for spectral estimation. |
| 2 | 2 | | | | | | | | | | | 1 | 4 | Design FIR and IIR filters. |

1=supporting contribution
2=significant contribution

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| Rubric 5: Excellent Mastery of Outcome By Vast Majority of Students 4: Good Mastery of Outcome By Vast Majority of Students 3: Adequate Mastery of Outcome By Majority of Students 2: Marginal Mastery of Outcome By Most Students 1: Lack of Mastery of Concept By Most Students | a. an ability to apply knowledge of mathematics, science, and engineering |
| | b. an ability to design and conduct experiments, as well as to analyze and interpret data |
| | c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability |
| | d. an ability to function on multi-disciplinary teams |
| | e. an ability to identify, formulate, and solve engineering problems |
| | f. an understanding of professional and ethical responsibility |
| | g. an ability to communicate effectively |
| | h. the broad education necessary to understand the impact of engineering solution in a global, economic, environmental, and societal context |
| | i. a recognition of the need for, and an ability to engage in life-long learning |
| | j. a knowledge of contemporary issues |
| | k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice |
| | Improvement Suggestions or Comments: |
| | |