

RC-EE201: RUBRIC FOR EVALUATING PROGRAM OUTCOME C
"DESIGN AN ELECTRICAL SYSTEM, COMPONENT, OR PROCESS TO MEET DISRED NEEDS"

| Performance Indicator | Exemplary 4 | Satisfactory 3 | Developing 2 | Unsatisfactory 1 |
|--|--|---|---|---|
| Understanding Circuit Design Requirements | Fully understands the purpose and function of the electric circuit to be designed; fully aware of its stated requirements and constraints. | Has good understanding of the purpose and function of the electric circuit to be designed; knows its stated requirements and constraints. | Understands, to some extent, the purpose and function of the electric circuit to be designed; partially aware of its stated requirements and constraints. | Vague understanding of the purpose and function of the electric circuit to be designed; vague understanding of its stated requirements and constraints. |
| Design Procedure | Circuit design procedure is very systematic/clear. | Circuit design procedure is reasonably systematic/clear. | Circuit design procedure is not that systematic/clear. | Circuit design procedure is disorganized/vague. |
| Satisfying Circuit Design Requirements | Arrives at a good design circuit; all stated circuit design requirements and constraints are fully met; able to propose alternative circuit designs. | Arrives at a reasonable design circuit; stated circuit design requirements and constraints are almost/mostly met. | Design circuit is not that good; stated circuit design requirements and constraints are only partially met. | Design circuit is poor; stated circuit design requirements and constraints are not met. |

Notes:

- 1) This rubric, RC-EE201, is to be used for program outcome (c) assessment for EE201 *lectures* only.
- 2) Evaluation of students' performance using this rubric is to be reported using the corresponding excel file **RC-EE201-Section (xxx)-yyy.xls**.
- 3) Before sending the filled excel file, please rename it using the following naming codes: **xxx** = section number and **yyy** = current semester code.
 Example: **RC-EE201 Section (01)-081.xls**.

RC-EE303: RUBRIC FOR EVALUATING PROGRAM OUTCOME C
"DESIGN AN ELECTRICAL SYSTEM, COMPONENT, OR PROCESS TO MEET DISRED NEEDS"

| Performance Indicator | Exemplary 4 | Satisfactory 3 | Developing 2 | Unsatisfactory 1 |
|---|--|---|---|---|
| Understanding Electronics Circuit (amplifiers, filters and oscillators); Design Requirements | Fully understands the purpose and function of the electronics circuits to be designed; fully aware of its stated requirements and constraints. | Has good understanding of the purpose and function of the electronics circuits to be designed; knows its stated requirements and constraints. | Understands, to some extent, the purpose and function of the electronics circuits to be designed; partially aware of its stated requirements and constraints. | Vague understanding of the purpose and function of the electronics circuits to be designed; vague understanding of its stated requirements and constraints. |
| Design Procedure | Circuit design procedure is very systematic/clear. | Circuit design procedure is reasonably systematic/clear. | Circuit design procedure is not that systematic/clear. | Circuit design procedure is disorganized/vague. |
| Satisfying Circuit Design Requirements | Arrives at a good design circuit; all stated circuit design requirements and constraints are fully met; able to propose alternative circuit designs. | Arrives at a reasonable design circuit; stated circuit design requirements and constraints are almost/mostly met. | Design circuit is not that good; stated circuit design requirements and constraints are only partially met. | Design circuit is poor; stated circuit design requirements and constraints are not met. |

Notes:

- 1) This rubric, RC-EE303, is to be used for program outcome (c) assessment for EE303 *lectures* only.
- 2) Evaluation of students' performance using this rubric is to be reported using the corresponding excel file **RC-EE303-Section (xxx)-yyy.xls**.
- 3) Before sending the filled excel file, please rename it using the following naming codes: **xxx** = section number and **yyy** = current semester code.
Example: **RC-EE303 Section (01)-081.xls**.

RC-EE340: RUBRIC FOR EVALUATING PROGRAM OUTCOME C
"DESIGN AN ELECTRICAL SYSTEM, COMPONENT, OR PROCESS TO MEET DISRED NEEDS"

| Performance Indicator | Exemplary 4 | Satisfactory 3 | Developing 2 | Unsatisfactory 1 |
|---|--|---|---|---|
| Able to design a component | Fully understands the purpose, function of the component to be designed; fully aware of its stated requirements and constraints. | Has good understanding of the purpose, function of the component to be designed; reasonably aware of its stated requirements and constraints. | Understands, to some extent, the purpose, function of the component to be designed; partially aware of its stated requirements and constraints. | Vague understanding of the purpose, function of the component to be designed; vague understanding of its stated requirements and constraints. |
| Analysis of the designed component | Fully able to analyze a proposed design and to fine tune it in order to meet the given specifications. | Reasonably able to analyze a proposed design and to fine tune it in order to meet the given specifications. | Partially able to analyze a proposed design and to fine tune it in order to meet the given specifications. | Not able to analyze a proposed design and cannot fine tune it in order to meet the given specifications. |
| Satisfaction of the designed component | Arrives at a good designed component; all stated component design requirements and constraints are fully met. | Arrives at a reasonable designed component; all stated component design requirements and constraints are reasonably met | Designed component is not that good; stated component design requirements and constraints are only partially met. | Design component is poor; stated circuit design requirements and constraints are not met. |

Notes:

- 1) This rubric, RC-EE340, is to be used for program outcome (c) assessment for EE340 *lectures* only.
- 2) Evaluation of students' performance using this rubric is to be reported using the corresponding excel file **RC-EE340-Section (xxx)-yyy.xls**.
- 3) Before sending the filled excel file, please rename it using the following naming codes: **xxx** = section number and **yyy** = current semester code.
Example: **RC-EE340 Section (01)-081.xls**.
- 4) Evaluation of students' performance using this rubric is based on the course design project.