

Rubric for ABET Student Learning Outcome #4, to be applied to ENV 4001 Global Citizens Project

|  | <b>3 - Excellent</b>  | <b>2 - Good</b>   | <b>1 - Fair</b>   | <b>0 - Poor</b>   |
|--|---|---|---|---|
| Students' work recognizes ethical and professional responsibilities of engineers       | Ethical and professional responsibilities of engineers are considered explicitly and are central to the final conclusions of the project.                   | Ethical and professional responsibilities of engineers are not central to the final conclusions of the project, but it is evident that students did include some consideration of such factors in their analysis. | Students' analysis largely ignores ethical and professional responsibilities of engineers, but final results or conclusions do partly respond to such factors, even if unintentionally. | Ethical and professional responsibilities of engineers were not considered in the students' analysis and are not part of the final project results. |
| Students make informed judgements relevant to the task assigned                        | Students' findings, conclusions, recommendations, and/or judgements are based on a sophisticated knowledge and understanding of relevant facts and factors. | Students consider at least some of the most important facts and factors in reaching conclusions and/or making judgements.   | Students' judgements largely ignore relevant facts and factors, and/or are only partly related to the project assigned.   | Students' findings, conclusions, recommendations, and/or judgements are ill-informed, and/or are not related to the project assigned.               |
| Students' findings & recommendations consider <i>global</i> context and factors        | Global context and factors are considered explicitly and are central to the final conclusions of the project.   | Global context and factors are not central to the final conclusions of the project, but it is evident that students did include some consideration of such factors in their analysis.                             | Students' analysis largely ignores global context and factors, but final results or conclusions do partly respond to such factors, even if unintentionally.                             | Global context and factors were not considered in the students' analysis and are not part of the final project results.                             |
| Students' findings & recommendations consider <i>economic</i> context and factors      | Economic context and factors are considered explicitly and are central to the final conclusions of the project.   | Economic context and factors are not central to the final conclusions of the project, but it is evident that students did include some consideration of such factors in their analysis.                           | Students' analysis largely ignores economic context and factors, but final results or conclusions do partly respond to such factors, even if unintentionally.                           | Economic context and factors were not considered in the students' analysis and are not part of the final project results.                           |
| Students' findings & recommendations consider <i>environmental</i> context and factors | Environmental context and factors are considered explicitly and are central to the final conclusions of the project.  | Environmental context and factors are not central to the final conclusions of the project, but it is evident that students did include some consideration of such factors in their analysis.                      | Students' analysis largely ignores environmental context and factors, but final results or conclusions do partly respond to such factors, even if unintentionally.                      | Environmental context and factors were not considered in the students' analysis and are not part of the final project results.                      |
| Students findings & recommendations consider <i>societal</i> context and factors       | Societal context and factors are considered explicitly and are central to the final conclusions of the project.   | Societal context and factors are not central to the final conclusions of the project, but it is evident that students did include some consideration of such factors in their analysis.                           | Students' analysis largely ignores societal context and factors, but final results or conclusions do partly respond to such factors, even if unintentionally.                           | Societal context and factors were not considered in the students' analysis and are not part of the final project results.                           |