Tallahassee Community College

Undergraduate Research Program Annual Symposium

Rubric for Oral Presentation Concurrent Sessions **(STEM)**

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| Student Name: |  |
| Adjudicator Name: |  |
| Project Name: |  |
| Session Number: |  |

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|  | **Excellent** **4** | **Satisfactory** **3** | **Developing** **2** | **Weak** **1** | **TOTAL SCORE** |
| Introduction | Identifies, defines, and describes appropriate broader concept/ question in science that the research addresses and explains why it is important or useful to study. States purpose of the experiment or study, including questions/hypotheses tested and a summary of the approach to testing those questions. | Research is placed in a broader context, but connection to context is vague or logically/ factually incorrect. Importance mentioned but is too broad or contains factual inaccuracies. Purpose of the experiment or study is stated but incomplete; questions are included but not specific. Limited mention of experimental approach. | Limited connection of the research to broader concepts. Limited or inaccurate explanation of importance of study topic. Purpose of study is very limited or unclear; questions do not adequately relate to study. No mention of experimental approach. | No broader context. The importance of scientific phenomena is not explained. No purpose is given. |  |
| Methods/Results | Accurately describes experimental setup and sampling, with appropriate detail (enough for replication). Exact measurements such as dates/times, numbers of replicates, etc. with correct units are included. Trends in data obtained in the study are fully described, as well as results of any data analyses, including statistical tests performed. | Methods are described, but with too much or not enough detail. Some methods are incorrect. Sampling technique somewhat unclear. Sample sizes are not included. One of the following: No summary of the trends in the data obtained in the study are fully described in writing, No results of any data analyses, No statistical tests performed. | Methods are just listed, often verbatim, from lab protocol. Little or way too much detail included. Sampling technique is unclear. Sample sizes not included. Two of the following: No summary of the trends in the data obtained are fully described, No results of any data analyses, No statistical tests performed. | No methods are included. No written results section. |  |
| Discussion | Places the results of the study in a relevant larger context (such as the broader concept defined in the introduction). Next steps are identified and directly based on the results of the experiment.  | Connection between results and larger context is discussed but unclear. The context discussed is not particularly applicable to the lab activity. | Larger context is missing or doesn’t apply at all to the study. | No larger context or suggested. |  |

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| Delivery | Projects confidence, enthusiasm, and interest in explaining the material. | Projects adequate confidence, enthusiasm, and interest but delivery could be stronger | Projects some confidence, enthusiasm, and interest but is sometimes reticent and lacking in confidence | Projects minimal confidence, enthusiasm and interest in explaining the material |  |
| Answers to Questions | Effectively responds to questions with answers that elaborate on that which has already been presented. | Answers to questions are adequate but could elaborate more on what was previously presented. | Answers to questions elaborate somewhat on the information presented but are generally superficial. | Answers to questions are insufficient and do little to expand on the information already presented. |  |
| **TOTAL POINTS EARNED:** |  |