

Basic: Research in this area seeks to identify and develop a fundamental research question regarding the nature of one's field of study (e.g., human behavior or genetic manipulations of E coli). These research studies successfully experiment with one or more manipulated variables and analyze the collected information to answer the research question. Typically, these studies will employ the experimental method and are often conducted in a controlled, laboratory environment.

Level	0-2 (Not addressed or poor)	3-4 (Beginner)	5-6 (Developing)	7-8 (Competent)	9-10 (Excellent)	Total
Research Design: Identifies and develops a research question	Not addressed or poorly developed	The research question is overly broad and/or is not applicable to the discipline.	The research question is applicable to the discipline, but it requires refinement for the intended audience and purpose	The research design includes a testable question appropriate to the discipline according to audience and purpose.	The research design includes a testable question appropriate to the discipline according to audience and purpose within a specific context	
Methodology: Successfully experiments with one or more manipulated variables	Not addressed or poorly developed	Failed to experiment with one or more manipulated variables	Experimented with one or more manipulated variables but did not maintain adequate controls	Experimented with one or more manipulated variables while maintaining adequate controls	Experimented with one or more manipulated variables with adequate controls and innovative experimental design	
Interpretation of Results: Analyzes collected information to answer the research question	Not addressed or poorly developed	No effort was made to analyze the results to support the research question.	Analysis to support the research question was made, but in a disorganized fashion.	Organized the analysis of the results with little interpretive error.	Organized the analysis of the results with no interpretive error.	
Conclusions: Analysis conforms to research practices within the discipline	Not addressed or poorly developed	Displayed little or no knowledge of the existing research practices in the discipline and/or had significant errors in formatting and citation	Did not articulate how the project contributes to the discipline and had significant errors in formatting and citation	Articulated how the project contributed to the discipline but had some errors in formatting and citation	Explains future applications of the project and properly employed discipline-specific formatting and citation	
Delivery and Engagement with the Audience	Presentation media did not address core research elements or engage the audience; OR movements, expression, or media design detracted from the presentation.	Delivery, media design, and expression did not add to or take away from the presentation. Presenter failed to engage the audience.	Verbal delivery or media design added to presentation. Presenter engaged the audience and made good eye contact.	Delivery, media design, and expression emphasized key points. Presenter developed rapport with audience.	Media design and delivery enthusiastically engaged the audience and demonstrated professional delivery.	
Answers to Questions	Unable to address questions	Able to partially address some of the questions	Able to address most of the questions	Answers added to and extended the topics discussed.	Answers showed exceptional insight into the field.	

Comments: