

Chemistry 681: Research Seminar Presentation Rubric

Student Name:

Faculty Evaluator:

***This form must be turned in to Graduate Office by Monday following seminar.**

	Excellent (4 pts)	Good (3 pts)	Fair (2 pts)	Poor (1 pt)	Score
Abstract	Abstract is 200-300 words and includes topic, problem, background, method, results, conclusions and a figure. There are no grammatical errors.	Abstract is 200-300 words and includes topic, problem, background, method, results, conclusions and a figure. There one or two grammatical errors.	One or two of the required components is missing and/or there are three to four grammatical errors.	More than two of the required components is missing and/or there are more than four grammatical errors.	
Background Knowledge	Seminar topic is chemical research. The speaker integrates chemical principles into both the introduction and the body of the talk.	Seminar topic is chemical research. The speaker integrates chemical principles into the introduction and at least once during the body of the talk.	Seminar topic is chemical research. The speaker integrates chemical principles into the introduction of the talk, but not the body of the talk.	Seminar topic is not chemical research, or the speaker does not relate the topic to any underlying chemical principles.	
Research Design	Speaker clearly states the problem and sets a hypothesis based on chemical principles. Experiment is properly designed for the purpose of the study.	Speaker clearly states the problem, but the hypothesis is not based on chemical principles, or experiment is not properly designed.	Speaker does not clearly state the problem, does not set a hypothesis based on chemical principles, or the experiment is not properly designed.	Speaker does not clearly state the problem and set hypothesis not based on chemical principles, or experimental is not properly designed.	
Description of Research Results	Speaker describes how research methods are applied, and presents preliminary results that clearly follow from the methods.	One of the three required items in the Excellent rating is missing.	Two of the three required items in the Excellent rating are missing.	All of the required items in the Excellent rating are missing.	
Analysis	Speaker analyzes the validity of specific research results, describes the relevance of results within the broader context of the research topic and hypothesis. Speaker offers suggestions for future work.	Speaker analyzes the validity of specific research results, describes the relevance of results within the broader context of the research topic and hypothesis.	Speaker analyzes the validity of specific research results, but does not relate specific results to the broader context of the research topic or hypothesis.	Speaker does not analyze specific research results.	

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Delivery	Speaker presents a polished 25-minute talk. Speaker makes eye contact with and faces the audience while projecting his/her voice. Speaker does not read from slides/notes or exhibit any distracting habits.	One to two of the requirements are not met and/or the talk is less than 22 minutes or more than 28 minutes in length.	Three to four of the requirements are not met and/or the talk is less than 20 minutes or more than 30 minutes in length.	More than four of the requirements are not met and/or the talk is less than 18 minutes or more than 32 minutes in length.	
Organization and Visual Aids	Slides are well organized and legible with a good balance of text and figures. Citations are included and are correctly formatted. No important figures or diagrams are missing.	Slides are well organized and legible, however one to two of the other requirements are not met.	Slides are well organized in some places, but not others and/or three to four of the other requirements are not met.	Slides are not well organized and/or four or more of the other requirements are not met.	
Content Level, Depth, and Scope	The content level of the entire talk is appropriate for an audience of chemists. Experimental methods and results of their research are described in appropriate detail. The scope of the research presented is appropriate.	Throughout most of the presentation the content level, depth and scope are sufficient.	In places the presentation content level, depth and scope are not sufficient or expectations for a single area is consistently not met.	Requirements for the appropriate content level, depth and scope are consistently not met.	
Ability to Answer Questions	Speaker correctly interprets questions. Responses demonstrate an in-depth understanding of chemical principles and the current literature related to the research project.	Speaker correctly interprets questions. Responses demonstrate a sufficient understanding of chemical principles and the current literature related to the research project.	Speaker interprets some questions correctly. Responses demonstrate a basic understanding of chemical principles and the current literature related to the research project.	Speaker struggles to interpret questions. Responses demonstrate little or no understanding of chemical principles or the current literature related to the research project.	
Overall Evaluation	Excellent	Good	Fair	Poor	

Comments: