SMED 5304 Research Methods in Science and Mathematics

SMED 5304 Research Methods in Science and Mathematics (3 semester credit hours) Open-ended, inquiry projects grounded in critical and logical thinking that involve observations, research, investigation planning, data collection with instruments or surveys, analysis and interpretation of data, proposing explanations, considering alternatives, generating predictions, and conveying results in student peer-reviewed papers and presentations appropriate for a professional forum. Students conduct open-ended research into subjects of their choosing. Students develop and pursue inquiries based on original ideas, literature research, discussions with experts, and via trial and error. Recommended Prerequisite: SMED 53 03. (3-0) Y (2016-02-05 23:47:36)