

Reviewer's Guide

Evaluation Criteria	Traditional Research Data-driven studies: formal research projects with appropriate methodologies		Reflective Essays Integrative evaluations of other work, essays that challenge current practice and encourage experimentation, novel conclusions or perspectives derived from prior work	Reviews Literature reviews illuminating new relationships and understanding, meta-analysis, analytical and integrated reviews, etc.	Case Studies Illustrate SOTL and its applications, usually generalizable to a wide and multidisciplinary audience
	Quantitative Studies using descriptive, inferential, or non-parametric statistical methods associated with the collection of data, based on a theory or hypothesis. These studies usually discuss factors thought to influence the phenomena of interest and analyze variables relevant to the experimental outcomes.	Qualitative Studies using exploratory and/or descriptive design which collect data within a natural setting through the use of participant observations, interviews, and relevant artifacts.			
Purpose Goals, Objectives, Rationale, Research Question, Hypothesis	Research question and Hypothesis are defined.	Rationale is defined	Rationale is defined	Goals and Objectives are defined	Rationale is defined
Background Theoretical Framework, Literature Review	Literature Review grounds study in previous research	Theoretical framework is described. Literature Review grounds study in previous research	Theoretical framework is described. Literature Review grounds essay in previous research	Literature Review grounds study in previous research	Literature Review grounds study in previous research
Methodology Participants, instruments, data collection, data analysis	Participants, instruments, data collection, and procedures for data analysis are described	Data collection and procedures for data analysis are described	Evaluation procedures described	Analytical procedures described	Data collection and procedures for data analysis are described
Findings Data summaries, Statistical significance, assertions, themes	Data is organized in graphical or tabular format. Statistical significance is explained	Data is organized using themes, assertions, or models	Assertions are justified and themes are described	Data is organized using visuals (graphs, tables, etc.) or themes and assertions	Data is organized using visuals (graphs, tables, etc.) or themes and assertions
Conclusion Discussion, Implications	Discussion explains how the findings contribute to the literature. Implications for higher education classrooms in any discipline is essential	Discussion explains how the findings contribute to the literature. Implications for higher education classrooms in any discipline is essential	Discussion explains how the findings contribute to the discipline or paradigm. Implications for higher education classrooms in any discipline is essential	Discussion explains how the findings contribute to the discipline or paradigm. Implications for higher education classrooms in any discipline is essential	Discussion explains how the findings contribute to the discipline or paradigm. Implications for higher education classrooms in any discipline is essential
Presentation Format, style, organization	Manuscript is organized and uses JoSoTL's preferred style of writing	Manuscript is organized and uses JoSoTL's preferred style of writing	Manuscript is organized and uses JoSoTL's preferred style of writing	Manuscript is organized and uses JoSoTL's preferred style of writing	Manuscript is organized and uses JoSoTL's preferred style of writing
Substance Detail, Length, Scope, Coverage	Manuscript has sufficient/not excessive detail and length to develop basis for conclusion and contribute to SoTL literature	Manuscript has sufficient/not excessive detail and length to develop basis for conclusion and contribute to SoTL literature	Manuscript has sufficient/not excessive detail and length to provide scope to the reflection	Manuscript has sufficient/not excessive detail and length to cover the topic	Manuscript has sufficient/not excessive detail and length to cover the topic

Evaluation

Manuscript Title: **Evaluation of Parallel Authentic Research-Based Courses in Human Biology on Student Experiences at Stanford University and the University of Gothenburg**

Manuscript Tracking Number: 19975

Evaluation Criteria	Comments	Suggestions
Purpose Goals, Objectives, Rationale, Research Question, Hypothesis	Sufficiently addressed previous comments during first review	
Background Theoretical Framework, Literature Review	Sufficiently addressed previous comments during first review	
Methodology Participants, instruments, data collection, data analysis, evaluation	Sufficiently addressed previous comments during first review	
Findings Data summaries, Statistical significance, assertions, themes	Sufficiently addressed previous comments during first review	
Conclusion Discussion, Implications	Sufficiently addressed previous comments during first review	
Presentation Format, style, organization	There are still a few grammatical errors that the authors should address. For example, on page 6, third line from the bottom it should state "The projects were based on storyboards...." Not the projects was based....".	Corrected – grammatical errors in the paper has been corrected by an expert.
Substance Detail, Length, Scope, Coverage	Sufficiently addressed previous comments during first review	

In Summary	This is a very interesting paper that will contribute to the field biology education and provides a nice context for an authentic research experience. The authors have sufficiently addressed previous comments during the first review. The only reason why I am deciding to accept with minor revisions necessary is because there are still a few grammatical errors to be addressed.	
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Reviewer's Decision

Accept – no revision necessary	
Accept – minor revision necessary	X
Revise and Resubmit – major revision needed	
Reject	
Paper not suitable for JoSoTL	