

## PH206 : Lab Marking Rubrics



Facet of RSD: Skill	Component of Report	Below Benchmark Incomplete/ Inaccurate ( <b>&lt;50%</b> )	Benchmark Complete but not clearly framed/accurate comprehensive	Milestone/Capstone Complete and accurate, clearly framed. Innovative ( <b>70-90-100%</b> )
<i>Embark and Clarify</i>	Aim and Introduction/ Theory	Background: Poorly explained and no clear aim	Explained, but not accurately: does not provide the clear idea/theory about the experiment	Explained very well providing clear idea/theory for the experiment
<i>Find and Generate</i>	The necessary amount of data collection within the accuracy/least count of Instrument. Consistency with significant figures utilisation of instruments.	The amount and accuracy of data were less than required. Inconsistency in no significant figures of data representation	The amount and accuracy of data were significant but not sufficient. Some inconsistency in no significant figures of data representation	The data recorded were sufficient and accurate within the accuracy of instrument and consistent in no significant figures
<i>Evaluate and Reflect</i>	Verification of data accuracy and precision. Sources of error	No verification of data is mentioned or done poorly. Sources of error not specified	Data is verified to assure quality through independent checks Adjustments to methods errors are specified	Data verification is well done Specified and justified providing realistic sources and range of errors.
<i>Organize and Manage</i>	Data representation and appropriate plots, critical reflect on the method used	Data representation, plots and critical reflection on the method used are poorly done	Data representation, plots and critical reflection on the method used are done well	Data representation, plots and critical reflection on the method used are very well and accurately done
<i>Analyze and Synthesize</i>	Data analysis and comparison with standard values. Synthesis of main points	The data analysis not clear/done as asked and shows no comparison with standard values. No synthesis of main points	The analysis of data is clear but not sufficient. There is comparison of data obtained against standard values but any variations not justified.	Full and accurate analysis of data. Comparison with standard values and any variations justified. Main points well done
<i>Communicate and Apply Ethically</i>	Overall report writing with particular emphasis on discussion and conclusion	Overall report writing and sections on discussion and conclusion were poor	Overall report writing and sections on discussion and conclusion were done well but not sufficient	Overall report writing and sections on discussion and conclusion were done very well

Ref: General RSD framework and one of the CH courses

Copyright © The University of the South Pacific, 2014. Rubric designed by course coordinator Dr Sushil Kumar. Available under [Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported License](https://creativecommons.org/licenses/by-nc-sa/3.0/)  
Reference: Willison, J. and O'Regan, K., 2006 and 2013. *The Research Skills Development Framework*.

Skill	Level (BB, B, M/C)	%
Embark & Clarify		
Find & Generate		
Evaluate & Reflect		
Organise & Manage		
Analyse & Synthesise		
Communicate and Apply		
<b>Overall (level)</b>		e.g. 80% = 16/20