

Marking Rubric for Report in 'CH301 Application and Methods of Instrumental Analysis' – Semester 1 2015

Weighting	Report Component	Below Acceptable Not present, incomplete or inaccurate (0 – 50%)	Acceptable Complete but not fully accurate, comprehensive or insightful (51 – 75%)	Excellent Complete, accurate, comprehensive, <i>and</i> insightful/ innovative (76 – 100%)
(25 marks)	Title	<input type="checkbox"/> None listed	<input type="checkbox"/> Reproduces given Title	<input type="checkbox"/> Rephrased
	Aim	<input type="checkbox"/> None specified	<input type="checkbox"/> Reproduces given Aim <input type="checkbox"/> Reproduces the given Intro.	<input type="checkbox"/> Rephrased, clear, succinct
	Introduction	<input type="checkbox"/> None evident		<input type="checkbox"/> Fine-tuned, clear, succinct
(15 marks)	Procedure	<input type="checkbox"/> Not stated or incorrect	<input type="checkbox"/> Correct yet has not included amendments to method	<input type="checkbox"/> Fine-tuned, clear, succinct.
	Data accuracy	<input type="checkbox"/> Outside the limit of expected outliers	<input type="checkbox"/> Data is within the limit of expected outliers, however is spread (lack precision)	<input type="checkbox"/> Accurate and precise, (suggesting quality bench skills), or lack precision and/or accuracy, but have been adequately explained
(15 marks)	Verification of data accuracy and precision	<input type="checkbox"/> No verification of data is mentioned or date treatment is done poorly	<input type="checkbox"/> Data is verified to assure quality, but lacking (e.g. repeated measurements, outlying data removal)	<input type="checkbox"/> Data verification is thorough
	Methods adjustment	<input type="checkbox"/> Adjustments to methods unspecified	<input type="checkbox"/> Adjustments to methods are specified	<input type="checkbox"/> Specified and justified
(15 marks)	Structure of report	<input type="checkbox"/> ACS structure not followed at all	<input type="checkbox"/> ACS structure followed but without coherence	<input type="checkbox"/> ACS structure, highly coherent and flow
	Data representation	<input type="checkbox"/> Not tabulated appropriately	<input type="checkbox"/> Data appropriately tabulated with units, but titling incorrect or not linked to text.	<input type="checkbox"/> Appropriately tabulated with units and suitably titled, referenced with text for easy location.
	Management	<input type="checkbox"/> Submitted late	<input type="checkbox"/> Submitted on time but missing integral attachments (e.g. spectral data)	<input type="checkbox"/> On time, all attachments and results necessary are included.
(15 marks)	Data inclusions and exclusions	<input type="checkbox"/> No statement about data quality or “experimental errors” blamed for poor results without further explanation.	<input type="checkbox"/> Any poor data or outlying data is treated accordingly and discarded <i>or</i> included data is justified	<input type="checkbox"/> Full and accurate justification of all data
	Calculations	<input type="checkbox"/> Incorrect	<input type="checkbox"/> Partly correct	<input type="checkbox"/> All correct
	Data comparison	<input type="checkbox"/> None evident	<input type="checkbox"/> There is comparison of data obtained but not from similarly matching conditions.	<input type="checkbox"/> Includes other studies for comparison
(15 marks)	Citations	<input type="checkbox"/> Not all sources cited (manual, texts, other students)	<input type="checkbox"/> The procedure and references are all cited but some format errors	<input type="checkbox"/> All cited with no errors
	Text reproduction	<input type="checkbox"/> Font, spacing or labeling problematic	<input type="checkbox"/> Font, spacing and labeling make report easy to read	<input type="checkbox"/> Labeling and titles highly polished
	Report clarity and argument	<input type="checkbox"/> Arguments are not easily traceable/ clear <input type="checkbox"/> Typo-graphical and	<input type="checkbox"/> The report’s arguments are traceable but not always clear to follow	<input type="checkbox"/> Crystal clear
	Grammar and spelling	grammatical errors impair interpretation	<input type="checkbox"/> Some incidence of typo-graphical and grammatical errors, but do not impair interpretation	<input type="checkbox"/> No errors