Assessment rubric for ESP4901 (Final)

Module learning outcomes	Does not meet expectations	Meets expectations	Exceeds expectations
Identify the research problem	☐ Limited evidence of discovery/value-add/new techniques/new tools/impact	☐ Some evidence of discovery/value-add/new techniques/new tools/impact	☐ Exceptional evidence of discovery/value-add/new techniques/new tools/impact
Review sources of information to learn about existing methods, solutions and background	☐ Demonstrates poor understanding of subject matter and associated literature	☐ Demonstrates understanding of subject matter and associated literature	☐ Demonstrates mastery of subject matter and associated literature
Specify the objectives and scope clearly	☐ Objectives and scope are poorly defined	☐ Objectives and scope are clear	☐ Objectives and scope are well defined
Develop a methodology and collect data	☐ Experiments are not reproduced or have poor statistical confidence levels ☐ Mathematical models and simulations are not validated with experiments	☐ Experiments are reproduced with good statistical confidence levels ☐ Mathematical models and simulations are validated with a minimum number of experiments	☐ Experiments are reproduced with excellent statistical confidence level ☐ Mathematical models and simulations are validated in great detail with experiments
Analyse and interpret data	☐ Results are presented with too many significant digits ☐ Arguments are incorrect	☐ Results presented are significant ☐ Arguments are clear	☐ Results presented are significant and number of significant digits explained ☐ Arguments are superior
Execution	☐ Requires detailed instructions and guidance ☐ Shows little effort and interest. Did not communicate enough with the supervisor(s) or had to be asked for updates	☐ Requires general instructions and guidance ☐ Shows great effort and interest. Frequent communication with supervisor(s)	☐ Works independently and needs little to no guidance ☐ Shows exceptional effort and interest. Timely and frequent communication with supervisor(s)
Execution & achievement (overall assessment of the execution and achievement; tick one box)	☐ Does not meet expectations	☐ Meets expectations	☐ Exceeds expectations
Communicate findings concisely, precisely and attractively in written reports	☐ Writing and typesetting are weak ☐ Numerous grammatical and spelling errors are apparent ☐ Organisation is poor ☐ Final report has little to no value for continued work by future students/readers	☐ Writing and typesetting are adequate ☐ Some grammatical and spelling errors are apparent ☐ Organisation is logical ☐ Final report documents the FYP well (including failed attempts) and can be used by future students/readers as reference	☐ Writing and typesetting are publication quality ☐ No grammatical and spelling errors are apparent ☐ Organisation is excellent ☐ Final report documents the FYP very well (including failed attempts and improvements) and can easily be used by future students/readers as reference
Final written report (overall assessment of the written components; tick one box)	☐ Does not meet expectations	☐ Meets expectations	☐ Exceeds expectations
Communicate findings concisely, precisely and attractively in oral presentations (only assessed by examiner)	☐ Poor presentation ☐ Context and outcomes are not clear ☐ Responses are incomplete or require prompting ☐ Demonstrates poor understanding of subject matter and associated literature	☐ Clear presentation ☐ Context and outcomes are clear ☐ Responses are complete ☐ Demonstrates understanding of subject matter and associated literature	☐ Clear and engaging presentation ☐ Context and outcomes are clearly articulated and are exceptional ☐ Responses are eloquent ☐ Demonstrates mastery of subject matter and associated literature
Final oral presentation (overall assessment of the oral components; tick one box)	☐ Does not meet expectations	☐ Meets expectations	☐ Exceeds expectations

Comments and justification (only required if the student exceeds expectations)	