Computer Competence

Learning Outcome 1: Ability to create digital computational artifacts (e.g., spreadsheets, SAP or SPSS reports, source code, etc.) used to solve problems.

Learning Outcome	4 Thorough	3 Adequate	2 Limited	1 Weak	Unscorable
Ability to create digital computational artifacts (e.g., spreadsheets, SAP or SPSS reports, source code, etc.) used to solve problems	Clearly makes correct and appropriate choices in writing or using functions, syntax, statistical tests and/or displays of data and/or Employs logical thinking in designing the artifact and Makes almost no errors and Assignment is complete	Makes many correct and appropriate choices in writing or using functions, syntax, statistical tests and/or displays of data and/or Mostly employs logical thinking in designing the artifact and/or Makes minor errors and Assignment is complete or essentially complete	Makes some correct and appropriate choices in writing or using functions, syntax, statistical tests and/or displays of data and/or Makes some errors in logical thinking in designing the artifact and/or Makes some minor errors and/or major errors and/or Assignment is incomplete	Makes few correct and appropriate choices in writing or using functions, syntax, statistical tests and/or displays of data and/or Makes many errors in logical thinking in designing the artifact and/or Makes many major errors and/or Assignment is incomplete	Evidence does not measure learning outcome

Learning Outcome 2: **Ability to apply appropriate computing tools to solve problems, describe data, and/or analyze models.**

Learning Outcome	4 Thorough	3 Adequate	2 Limited	1 Weak	Unscorable
Ability to apply appropriate computing tools to solve problems, describe data, and/or analyze models	Applies appropriate computing tools or methods; Employs correct logical and algorithmic thinking to solve a problem and/or Creates an accurate & appropriate representation of data, clearly interprets data				