ASSIGNMENT CHECKLIST
EMPIRICAL & QUANTITATIVE SKILLS

The Office of Institutional Effectiveness & Evaluation (OIEE) designed the Empirical & Quantitative Skills Assignment Checklist to aid instructors in selecting and/or designing an assignment for Core Curriculum Assessment. The assignment design should ensure that the artifacts (student-produced work) submitted for assessment demonstrate the core objective of Empirical & Quantitative Skills.

Instructors should select either the Computational or Analytical Checklist depending on the type of assignment they are designing and what is most applicable to their discipline. The related rubric criteria are identified in the parentheticals.

ANALYTICAL CHECKLIST[1]

THE ASSIGNMENT DIRECTS STUDENTS TO:

- ☐ Connect numerical data/observable facts to problem/topic (Presentation of Numerical Data/Observable Facts)
- ☐ Present results to show understanding of the problem/topic (Presentation of Numerical Data/Observable Facts)
- ☐ Make conclusions based on numerical data/observable facts (Analysis/Conclusions)

IF THE STUDENT GENERATES THEIR OWN DATA SET (OPTIONAL):

- ☐ Describe and organize methods, such as design, subjects, instruments, data collection, and analyses (Methods)

[1] Generally applicable to assignments from the Life & Physical Sciences and Social & Behavioral Sciences Foundational Component Areas.

COMPUTATIONAL CHECKLIST[2]

THE ASSIGNMENT DIRECTS STUDENTS TO:

- ☐ Represent the problem (Set Up)
- ☐ Document calculations (Computation)
- ☐ Interpret results (Interpretation)

ADDITIONAL SUPPORT

Instructors are encouraged to review the Empirical & Quantitative Skills Analytical Rubric and the technical details of submitting artifacts on the OIEE website (assessment.tamu.edu/core). Contact assessment@tamu.edu for assistance in assignment design, review, and submission.

[2] Generally applicable to assignments from the Life & Physical Sciences and Mathematics Foundational Component Areas.