

WAYS OF KNOWING: SCIENTIFIC AND MATHEMATICAL INQUIRY: INFERENCE

Students will be able to demonstrate an understanding of the uses of statistical inference.

Criteria	Exceeds Expectations	Meets Expectations	Fails to Meet Expectations
Select Strategy	Student is able to select an appropriate method based on all of the problem parameters such as sample size(s), data characteristics, hypotheses, diagnostic plot features, etc.	Student is able to select a method consistent with all but one problem parameter.	Student is unable to select an appropriate method
Apply Strategy	Student is able to apply method accurately and draw appropriate inferences.	Student is able to apply method and draw appropriate inferences with only minor deficiencies	Student is unable to apply method accurately and/or draw appropriate inferences.
Critique Strategy	Student is able to identify all major flaws in a hypothetical application of a method.	Student is able to identify a major flaw in a hypothetical application of a method.	Student is unable to identify major flaws in a hypothetical application of a method.

POLICY: For Multiple Choice Tests, the course must have three (3) items (or more) for each objective.

1. 3 out of 3 = exceeds expectations
2. 2 out of 3 = meets expectations
3. 1 or 0 out of 3 = fails to meet expectations

