**Goal 1:  Knowledge and Conceptual Understanding**

* Students will be able to identify weighted mean expressions and calculations from their mathematical formats.
* Students will be able to calculate a weighted mean.

**Goal 2: Thinking and Other Skills**

* Students will be able to explain mathematically why a simple mean is a special case of a weighted mean.
* Students will be able to recognize weighted means given in a variety of contexts and applications.
* Students will be able to explain why a weighted mean is required in a given contextual situation.
* Students will be able to calculate appropriate weighted means from data in contextual studies and situations.

**Goal 3: Attitudes, Values, Dispositions and Habits of Mind**

* Students will be able and willing to pose and answer questions for themselves in contexts that interest them and that involve weighted mean considerations. For example, contexts such as GPAs and course averages, comparisons in baseball statistics, e.g., slugging averages and batting averages over seasons, and over a lifetimes, expected values, say in lotteries and in life expectancies, weighted voting systems, and so on.