**Lab Math Instructor Guide**

The Lab Math Unit is divided into four main modules or folders:

1. Lab math basics (includes scientific notation, metric system, and unit conversion)
2. Solution calculations (includes C1V1= C2V2 dilutions, molar solutions, and percent problems)
3. Serial dilution calculations
4. Plaque titer calculations

These modules could be used in sequence, or independently of one another. All modules contain the following files:

* **Student Guide**: provides background about the math problems, terminology, example problems with explanations, and practice problems with answer keys provided at the end. These guides are meant to be self-guided by students, but can be supplemented with in-class instruction.
* **Question Bank**: multiple choice and open-ended questions that can be used by the instructor for assessment; answers are provided for all questions.
* **Additional Resources**: extra materials that can be used by the instructor as they see fit to support their teaching. These may include PowerPoints or videos.

**Assessment**

The Student Guide documents contain practice problems that can be used for formative assessment. Additional problems are available in the Question Bank files that can be used to build quizzes/tests for summative assessment.