EPIDEMIOLOGY COMPETENCIES ASSESSMENT FORM   1

To be completed by the student's major professor/supervisor for students who graduated during the academic year (summer, fall and spring semesters)

Print student name: _____

Circle semester: Summer   fall   spring   Year, 20_____

IP major professor/supervisor – print name: _____

IP major professor/supervisor – sign name: _____

Epidemiology Competencies

Assess the extent to which the student demonstrated mastery of the following Epidemiology competencies in the integrative project **(assess a <u>minimum</u> of 2 competencies).**

1. Plan, perform and report basic statistical calculations and analyses and critically read public health and medical care journal articles.

    Expert   Proficient   Adequate   Novice   Not applicable

2. Examine data for the presence of confounding and effect modification, identify their presence and manage them appropriately.

    Expert   Proficient   Adequate   Novice   Not applicable

3. Explain how bias, confounding, effect modification and random error may affect the results of epidemiologic investigations and how they may be prevented or controlled.

    Expert   Proficient   Adequate   Novice   Not applicable

4. Describe basic approaches for the collection of primary data, the use of secondary data, and the assessment of the quality of data collection and measurements.

    Expert   Proficient   Adequate   Novice   Not applicable

5. Describe different principles of investigation for acute outbreaks versus chronic conditions or other adverse outcomes in populations.

    Expert   Proficient   Adequate   Novice   Not applicable

6. Apply descriptive techniques commonly used to summarize public health data.

    Expert   Proficient   Adequate   Novice   Not applicable

7. Apply common statistical methods for inference.

    Expert   Proficient   Adequate   Novice   Not applicable

8. Apply descriptive and inferential methodologies according to the type of study design for answering a particular research question.

    Expert   Proficient   Adequate   Novice   Not applicable

Comments: