

**PUBLIC HEALTH CAPSTONE
COURSE CODE: 5589
STUDENT PROFILE**

STUDENT'S NAME:	TEACHER'S NAME:
School Year/Semester:	Grade:
Begin Date:	Date Completed:

Directions: Document student's progress using the applicable rating scales below: Enter date of completion under the appropriate column.

0 - Has not received instruction in this area / **no experience or knowledge of this task (N/A)**

1 – Can apply and perform **independently (80-100)**

2 – Can perform the task completely with **limited supervision (70-79)**

3 – Requires additional instruction and or **close supervision (60-69)**

I. EPIDEMIOLOGICAL RESEARCH AND DESIGN		0	1	2	3
1	Determine what elements of research and design are needed to run a study of your own. <ol style="list-style-type: none"> a. Define & Recognize Study types (experimental or observational, descriptive or analytical). b. Define and Recognize Study design (cross-sectional, cohort case control, ecologic, randomized trials). c. Identify sampling strategies (double blind, placebo-experimental design, random sampling, quota sampling). d. Define screening, validity, reliability. e. Recognize types of data (quantitative vs. qualitative). f. Identify ways to summarize data. g. Identify confounding variable. h. Analyze bias (selection bias, informational bias). i. Organize and participate in a guided study as a class, with teacher scaffolding. <ul style="list-style-type: none"> • Locate useful resources to use in studies. 				
II. PREPARING FOR THE WORKPLACE		0	1	2	3
1	Identify personal traits and attitudes desirable in a career ready member of a health team.				
2	Apply employability/soft skills in healthcare.				
3	Summarize and demonstrate professional standards and characteristics as they apply to employment. <ol style="list-style-type: none"> a. Hygiene and dress: body hygiene, uniform/clothing b. Language and behavior: greeting and conversing, behavior appropriate to setting c. Legal and Ethical: understand HIPAA, scope of practice d. Demonstrate the process and strategies for obtaining and retaining employment. e. Apply proper technical etiquette in social media, emails, and computer applications. f. Research levels of education, credentialing requirements 				

	<p>and employment trends in the public health sector.</p> <p>g. Participate in work-based learning experiences through job shadowing, internships and community service projects.</p> <p>h. Develop and expand components of a personal portfolio.</p>				
III. EPIDEMIOLOGY IN ACTION		0	1	2	3
1	<p>Research and choose a health issue, propose a hypothesis, design and conduct a hypothetical study.</p> <p>a. Describe how to collect reliable data regarding priority health related phenomena by using public health surveillance systems.</p> <p>b. Preparing for all hazards that requires a public health response.</p> <p>c. Know your role in public health response.</p> <p>b. Use credible evidence to describe a public health surveillance system.</p> <p>c. Discuss reliability and validity of survey instrument.</p> <p>d. Use models (e.g., mathematical models, and figures) that are based on empirical evidence identify patterns of health and disease to characterize a public health problem.</p> <p>e. Use patterns in empirical evidence to create an hypothesis.</p> <p>f. Use empirical data from an observational study to mathematically quantify an association between an exposure and disease.</p> <p>g. Make a statement concerning an association between an exposure and disease with consideration of a mathematical analysis of empirical data.</p> <p>h. Evaluate outcomes to create response measures based on data collected.</p> <p>i. Oral skills performed on research project.</p>				