Lab Assignments Overview
EPID600: Principles of Epidemiology for Public Health

Overview

The weekly recitation or "lab" sections are a key aspect of the course in which you'll engage in active and collaborative learning. Most weeks during the semester you'll have a "pre-lab" or pre-laboratory work that you complete before your weekly lab session.

During the team lab sessions, you'll work with your team to compare your prelab answers and discuss, and determine the correct answer together. Other labs you'll collaborate on answering specific team lab questions. In both prelabs and team labs, you'll practice applying the concepts that you learned in lecture.

Lab sessions provide opportunities for you to continue the development of your team skills. Professional life includes aspects of participation, presence, responsibility, collaboration, and communication.

Related Course Goals
The following course goals will be covered in the lab assignments:

- **Apply** the basic terminology and definitions of epidemiology.
- **Calculate** basic epidemiology measures.
- **Evaluate** the strengths and limitations of epidemiologic reports.
- **Comprehend** basic ethical and legal principles pertaining to the collection, maintenance, use and dissemination of epidemiologic data.
- **Draw appropriate inferences** from epidemiologic data.
- **Communicate** epidemiological information to lay and professional articles.
- **Apply** concepts, methods, and tools of public health data collection, analysis and interpretation, and the evidence-based reasoning and informatics approaches that are essential to public health practice.
- **[Engage** in] public health-specific communication [ ]

Assignment Description

For each of the lab case studies you will be provided a set of questions and readings. For the majority of the labs, there will be a team lab submission. Generally, steps for these assignments include the following:

1. **Prepare** before lab by complete the pre-lab questions
2. **Attend** team lab session
3. **Discuss** pre-lab and/or team lab answers with your team
4. **Determine** final answers with team
5. **Submit** your final answers to Sakai

Details

1. **Prepare** "pre-lab" answers

Prepare for lab by completing the pre-lab questions on your own. Save your work in a "prelab work" document with your name.. Submit prelab work on Sakai to the assignment link before lab starts.

You will not be graded on right answers but on your level of effort and completion. Your prelab document will be used to assess individual lab preparation

2-4. Attend, Discuss, and Determine case study answers with your team

At the start of the lab, the TAs will briefly highlight the main points of that week's lecture and summarize the goals of the lab session at the beginning (~10-15 minutes.) TAs may also review concepts from the previous lab, discuss exam preparation, or grading of key assignments.

As you get started on the lab with your team, we recommend creating a Google Doc with your team mates. You will have ~60 minutes (unless otherwise specified) to discuss your individual answers with your teammates, consult with your TA, and come to a consensus on your final team answers before you submit a team document on Sakai. During this time, your TA will circulate around the class room, discuss the questions with you, make sure you are getting the main points of the lab questions, and keep track of team pace.

5. **Submit team lab answers**

One team member will turn in your team lab answers document. We recommend that you rotate this responsibility among team members from week to week. You will use the Assignments tool link found in the module folder in Sakai.

Name the file according to the following system:

Lab Number_Team Number_[First name]_[Last name].docx

When your team document is ready to turn in, click the submission link found in module folder and upload your team document.

If all the teams submit their team case study answers on Sakai before the end of session, the TA may briefly review answers with the class as a whole. Once the lab discussion is complete, students can leave or use lab time to work on their team projects.

Pre-lab Grading

Prelabs will be graded based on completion. All labs with <u>fully</u> answered questions, complete sentences, calculations, and critical thinking will earn a 100%.

Team Lab Grading

Criteria	Points
Attendance	20
Team discussion (collaboration and consensus) & submission of team lab answers (responsibility) (This may also include a class wide discussion depending on situation)	20
Graded team submission	40
Total	80

Note on team labs: If you are going to miss a lab, let your TA and teammates know **before** the lab (required). If you are going to miss a team lab, you can still submit your pre-lab and receive full credit for the prelab.

Each student will be able to drop their lowest prelab and team lab scores.