





UNC Department of Epidemiology Methods in Field Epidemiology Course



Schedule, Spring 2014

Module 1: Introduction and Overview (3 Weeks) January 8 to January 28






1/9 Thursday	LiveMeeting: Course Introduction and Welcome Dr. Yeatts will host this online LiveMeeting from 6:00pm to approximately 7:00 pm Eastern. Come and get familiar with the course topics and faculty.
	Lectures 1. Introduction 2. John Snow (with Interactive Case Study)
	No Required Readings for This Module There are, however, readings that correspond to the case studies. Please see the Case Studies folder in Sakai.
1/14 Tuesday	Part I of Group Project (Icebreaker) Due  Introduce yourself on the forum. Get to know your team's members.
1/27 Monday	7 Case Studies Due  1. Make View and Enter Data 2. Display Data 3. List Data 4. Analyze Data 5. Epi Curves 6. Tables 7. Reading Excel in Epi Info
1/27 Monday	Group Project (Outbreak Document) Due 
1/28 Tuesday	Group Project Peer Evaluations Due  The online evaluation form will be available after 1am EST on Sunday, January 26.

Module 2: Outbreak Detection and Generating Hypotheses (2 Weeks)


January 28 to February 11

1/30 Thursday	LiveMeeting: Study Design This approximately hour-long online LiveMeeting (TA) beginning at noon EST will focus on the topic of study design.
	Lectures <ol style="list-style-type: none"> 1. Outbreak Detection Part I 2. Outbreak Detection Part II 3. Generating Hypotheses Part I 4. Generating Hypotheses Part II 5. Generating Hypotheses Part III
	Required Readings <ol style="list-style-type: none"> 1. Outbreak Investigations—A Perspective 2. Embarking on an Outbreak Investigation 3. Case Finding and Line Listing: A Guide for Investigators 4. Epidemic Curves Ahead 5. Hypothesis Generation 6. Hypothesis-Generating Interviews 7. Incidence and Prevalence 8. Common Epidemiologic Measures
2/10 Monday	2 Case Studies Due  <ol style="list-style-type: none"> 1. Outbreak Detection 2. Generating Hypotheses
2/11 Tuesday	Module 2 Quiz Due  (take and submit the quiz via the “Tests and Quizzes” tab in Sakai)
	No Group Project for This Module








Module 3: Testing Hypotheses (3 Weeks) February 11 to March 4

2/20 Thursday	LiveMeeting: Epidemiologic Measures This optional, approximately hour-long online LiveMeeting (TA) beginning at 7pm EST will focus on epidemiologic measures.
	Lectures <ol style="list-style-type: none"> 1. Study Design: Testing a Hypothesis Part I 2. Study Design: Testing a Hypothesis Part II 3. Data Collection Part I 4. Data Collection Part II 5. Analyzing Epidemiologic Data Part I 6. Analyzing Epidemiologic Data Part II
	Required Readings <ol style="list-style-type: none"> 1. Selecting a Study Design 2. Cohort Studies for Outbreak Investigations 3. Case-Control Studies for Outbreak Investigations 4. Developing a Questionnaire 5. Interviewing Techniques 6. Data Analysis Basics: Variables and Distribution 7. Data Analysis: Simple Statistical Tests
2/19 Wednesday	1 Case Study Due  1. Data Collection
3/3 Monday	2 Case Studies Due  1. Study Design: Testing a Hypothesis 2. Analyzing Epidemiologic Data
3/3 Monday	Group Project (Questionnaire Critique) Due 
3/4 Tuesday	Module 3 Quiz Due  (take and submit the quiz via the “Tests and Quizzes” tab in Sakai)
3/4 Tuesday	Group Project Peer Evaluations Due  The online evaluation form will be available after 1am EST on Sunday, March 2.

Individual Project 1: (2 Weeks) March 4 to March 17



3/17 Monday	Individual Project 1, parts 1 through 3, Due  The project is divided into 3 parts, all due on 3/17. As you complete and submit each part, you will automatically receive the password to enter and to complete the next part.
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Module 4: Defining Hypotheses and Implementing Control Measures (2 Weeks) March 18 to April 1

3/18 Tuesday	Evaluation of TA Due  The online evaluation form will be available after 1am EST on Sunday, March 16.
3/26 Wednesday	LiveMeeting: Potpourri This approximately hour-long online LiveMeeting beginning at noon EST will be a potpourri of course-related topics (Dr. Jen Horney).
	Lectures 1. Laboratory Studies Part I 2. Laboratory Studies Part II 3. Environmental Health Studies I 4. Environmental Health Studies II 5. Outbreak Control Measures
	Required Readings 1. Environmental Health Investigations: Conducting Traceback Investigations 2. Environmental Health Investigations: Conducting Environmental Health Assessments 3. Collecting Specimens in Outbreak Investigations 4. Laboratory Diagnosis: An Overview 5. Laboratory Diagnosis: Molecular Techniques 6. Laboratory Diagnosis in Outbreak Investigations
3/24 Monday	Part I of Group Project (Traceback) Should Be Completed 
3/24-3/27 Tuesday-Thursday	Part II of Group Project (Traceback) Due  The specific date and time for your group's meeting with faculty will be determined later, but the available meeting times will span three days.
3/31 Monday	Part III of Group Project (Traceback) Due 
3/31 Monday	2 Case Studies Due  1. Laboratory Studies 2. Environmental Health Studies
4/1 Tuesday	Group Project Peer Evaluations Due  The online evaluation form will be available after 1 am Eastern on Sunday, March 30.
4/1 Tuesday	Module 4 Quiz Due  (take and submit the quiz via the "Tests and Quizzes" tab in Sakai)

Module 5: Other Issues in Managing an Outbreak (2 Weeks)

April 1 to April 16

4/7 Monday	LiveMeeting: Outbreak Response – This approximately hour-long online LiveMeeting beginning at 9 am EST will look at an example of an outbreak response (NC State fair <i>E. coli</i> outbreak 2011) with Dr. Aaron Fleischauer, Career Epidemiology Field Program, Coordinating Office for Terrorism Preparedness and Emergency Response.
	Lectures 1. Risk and Crisis Communication (I is for Investigation) 2. Incident Command Systems for Public Health
	Required Readings 1. Constructing the Argument of a Scientific Manuscript 2. Performance Indicators for Response to Selected Infectious Disease Outbreaks: A Review of the Published Record
4/14 Monday	2 Case Studies Due  1. Crisis Communication 2. ICS in Action
	No Group Project for this Module
4/15 Tuesday	Module 5 Quiz Due  (take and submit the quiz via the “Tests and Quizzes” tab in Sakai)

Individual Project 2: (2 Weeks) April 8 to April 25

4/25 Friday	Individual Project 2, parts 1 through 5, Due 
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