

Web-Based Blended Learning and Mentoring in Applied Epidemiology



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History of the Applied Epidemiology Course

- CDC 1980-1986
- Had instructors trained in 22 states
- Course retires



Resurrected!

- Why?
- When?
- How?
 - Located original course authors
- Completely updated to reflect changes in Public Health since 1986



Live Course Format

- Locations to date
- 13 modules
- Criterion Reference Instruction
 - Criterion Testing and instructor check off



The Modules

1. ORGANIZING & ANALYZING SURVEILLANCE DATA
2. IDENTIFYING THE POTENTIAL FOR OCCURRENCE OF DISEASE
3. REPORTING THE POTENTIAL FOR OCCURRENCE OF DISEASE
4. BEGINNING THE INVESTIGATION
5. DEVELOPING CASE INVESTIGATION FORMS
6. PREVENTING TRANSMISSION FROM CASES & CONTACTS



The Modules

7. FORMULATING CASE DEFINITIONS AND IDENTIFYING CASES FOR ANALYSIS
8. CHARACTERIZING THE MULTIPLE-CASE OUTBREAK
9. FORMULATING AND TESTING HYPOTHESES
10. CONTROLLING THE SOURCE OF THE ETIOLOGIC AGENT
11. ANALYZING EFFECTIVENESS OF CONTROL EFFORTS
12. REPORTING THE RESULTS OF CASE INVESTIGATIONS
13. PREPARING SUMMARY DISEASE SURVEILLANCE REPORTS



Limitations

- Student to instructor ratio
- Length of the commitment
- Cost associated with being sequestered



The Solution

Conversion to an on-line course!



But.....

- What our data supports
- How to retain the anecdotal stories of the course authors (over 75 years of epi experience)
- How to manage the Practice Exercises



And.....

- How to replicate the Criterion Testing
- Will this all be possible through TRAIN?
- What about other LMS?



In Came the Knight in Shining Armor!



Hi Sharon, I'm Joel from KMI and my team is ready to create



A Committed Partner!

- Spent 4 days driving the interstates of Nebraska (the middle of "everywhere")
- Spent 3 days filming in the Ankeny Iowa



Will this all be possible through
TRAIN?



What about other LMS?



The Future of the Course

- Continue with live sessions
- Market the online version to new audiences
 - Infection Control Professionals
 - Tribal Epidemiology Centers
 - Didactic 3030G vs homestudy

