

United States
Department of
Agriculture

Animal and Plant
Health Inspection
Service

Veterinary
Services

Centers for
Epidemiology
and Animal
Health

TRAINING COURSES

PROVIDED BY THE

**CENTERS FOR
EPIDEMIOLOGY AND
ANIMAL HEALTH**

FISCAL YEAR 2010

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NOMINATION/APPLICATION PROCEDURES

Each field nominee must submit the enclosed nomination request through the Area Office to the Regional Office. Each headquarters nominee must submit the enclosed nomination request through the Associate Deputy Administrator's Office, National Animal Health Policy Programs (NAHPP). The Regional Office and/or the NAHPP, Associate Deputy Administrator's Office will then submit the prioritized nominations to the nomination address listed in the course description. First priority is given to those individual(s) who are in absolute need of the training. More than one person may be placed in priority one status.

The Centers for Epidemiology and Animal Health (CEAH) cannot accept nominations directly unless they come through the Regional Office or the NAHPP, Associate Deputy Administrator's Office. If you have not nominated a participant, or have vacant positions that are to be filled, and want to reserve a space in the course, you may write "to be determined," or, "TBD" on the nomination form. Director approval is required for the named nominations, as well as a commitment to fill or cancel reserved spaces.

All training-related correspondence (select, non-select, cancellation, etc.) will be sent directly to the participants by email with copies to the VSMT, Training Coordinators, and supervisors. Hard copies will no longer be issued. Requests for exceptions may be made to the CEAH Training Coordinator.

COURSE DESCRIPTION

Each course description gives the course title, dates, purpose, and in some cases, objectives, eligibility, location, source person, and nomination contact person.

The course dates do not include travel dates. Travel dates are normally the day before the start of the course and the afternoon and evening of, or the day after, the end of the course.

CANCELLATION AND SUBSTITUTION POLICY

Based on each particular course, it is important that CEAH be notified as soon as possible in the case of a substitution and/or withdrawal of a course participant(s). We will accept substitutions and cancellations up to 1

week before the start of the course. Any changes in the status of nominees or course logistics will be communicated immediately through the Training Coordinators.

Spatial Epidemiology Methods using ArcGIS - I

March 2-4, 2010 - Fort Collins, CO

Course Purpose	This course will include specialized training in the use of ArcGIS software for the acquisition, management, and analysis of spatial data for epidemiological investigations. Some prior knowledge and experience with ArcGIS is expected and online courses are available to help meet this prerequisite. Participants will learn how Veterinary Services processes spatial data and applies spatial statistical and spatial modeling approaches to better understand the ecology, distribution, and determinants of disease agents in space and time. Using the spatial analysis tools available in ArcGIS, participants will learn to apply methods of classification, population density mapping, point pattern analysis, neighborhood analysis, regionalization/zonation, and change detection methods. This class is intended to provide participants with hands-on experience in the areas of geospatial processing of data prior to analysis and the application of basic spatial statistical analysis tools and spatial modeling techniques in understanding the ecology of pathogens within animal populations and how this information is applied to surveillance activities. This course also serves as a prerequisite for a more advanced follow-up course on Spatial Epidemiology Methods using ArcGIS - II. Course prerequisite: a working knowledge of ArcGIS software that can be obtained through one or more online training courses that is at no cost for USDA employees.
Target Audience	This course is intended for disease program managers, analytical epidemiologists, area epidemiologists, wildlife ecologists, surveillance specialists, program analysts, geospatial specialists; disease spread modelers, incident managers, and others who would like to learn how to apply spatial analysis and modeling approaches to address questions regarding the epidemiology and ecology of diseases in animal populations.
Cost	Participants pay travel and hotel.
Contact	Registration: Julia Price, (970) 494-7208, julia.s.price@aphis.usda.gov Course content: Jerry Freier, (970) 494-7275, jerome.e.freier@aphis.usda.gov
Nominations	All nominations must be approved by the applicant's supervisor.
Selection	Selections will be made by VS CAHIA SET.
Deadline	January 18, 2010 **Please honor the registration deadline. Thank you.**
Letters	Approximately 5 to 6 weeks before class begins, email notifications will be sent to the participants.

Global Positioning System Methods for Field Investigations

April 27-28, 2010 - Fort Collins, CO

Course Purpose	This course will include specialized training in the use of ArcGIS software for the acquisition, management, and analysis of spatial data for epidemiological investigations. Some prior knowledge and experience with ArcGIS is expected and online courses are available to help meet this prerequisite. Participants will learn how Veterinary Services processes spatial data and applies spatial statistical and spatial modeling approaches to better understand the ecology, distribution, and determinants of disease agents in space and time. Using the spatial analysis tools available in ArcGIS, participants will learn to apply methods of classification, population density mapping, point pattern analysis, neighborhood analysis, regionalization/zonation, and change detection methods. This class is intended to provide participants with hands-on experience in the areas of geospatial processing of data prior to analysis and the application of basic spatial statistical analysis tools and spatial modeling techniques in understanding the ecology of pathogens within animal populations and how this information is applied to surveillance activities. This course also serves as a prerequisite for a more advanced follow-up course on Spatial Epidemiology Methods using ArcGIS - II. Course prerequisite: a working knowledge of ArcGIS software that can be obtained through one or more online training courses that is at no cost for USDA employees.
Target Audience	This course is intended for disease program managers, analytical epidemiologists, area epidemiologists, wildlife ecologists, surveillance specialists, program analysts, geospatial specialists; disease spread modelers, incident managers, and others who would like to learn how to apply spatial analysis and modeling approaches to address questions regarding the epidemiology and ecology of diseases in animal populations.
Cost	Participants pay travel and hotel.
Contact	Registration: Julia Price, (970) 494-7208, julia.s.price@aphis.usda.gov Course content: Jerry Freier, (970) 494-7275, jerome.e.freier@aphis.usda.gov
Nominations	All nominations must be approved by the applicant's supervisor.
Selection	Selections will be made by VS CAHIA SET.
Deadline	March 15, 2010 **Please honor the registration deadline. Thank you.**
Letters	Approximately 5 to 6 weeks before class begins, email notifications will be sent to the participants.

Spatial Epidemiology Methods using ArcGIS - II

June 29-30, July 1, 2010 - Fort Collins, CO

Course Purpose	As a follow-up to Spatial Epidemiology Methods - I, this course continues with specialized training in the use of ArcGIS software for the management, analysis, and modeling of spatial data for epidemiological studies. Using the spatial analysis and modeling tools available in ArcGIS, participants will learn to apply methods of measuring geographic distributions, identifying patterns within populations, creating spatial weights, identifying clusters, and determining biological and ecological relationships to spatial variation in animal populations. This class is intended to provide participants with hands-on experience in using more specialized spatial statistical analysis tools in understanding the ecology of pathogens within animal populations. This course also emphasizes how spatial analysis and modeling results may be applied to surveillance planning and in the development of disease management strategies.
Target Audience	This course is intended for disease program managers, analytical epidemiologists, area epidemiologists, wildlife ecologists, surveillance specialists, program analysts, geospatial specialists, disease spread modelers, incident managers, and others who would like to learn how to apply spatial analysis and modeling approaches to address questions regarding the epidemiology and ecology of diseases in animal populations.
Cost	Participants pay travel and hotel.
Contact	Registration: Julia Price, (970) 494-7208, julia.s.price@aphis.usda.gov Course content: Jerry Freier, (970) 494-7275, jerome.e.freier@aphis.usda.gov
Nominations	All nominations must be approved by the applicant's supervisor.
Selection	Selections will be made by VS CAHIA SET.
Deadline	May 17, 2010 **Please honor the registration deadline. Thank you.
Letters	Approximately 5 to 6 weeks before class begins, email notifications are sent to the participants.

NOMINATION REQUEST

PLEASE PRINT CLEARLY

COURSE TITLE: _____

DATE OF THE COURSE: _____

1. Participant's name, social security number, mailing address, phone and fax number, and email address:

(Dr. Mr. or Ms.) Name	Social Security Number	
Mailing address (street, city, state, and zip code)		
Phone number	Fax number	E-mail address

2. Job Title: _____

3. Participants Official Duty Station: _____

4. Estimated costs (This information is needed for the preparation for the Quarterly Travel Plan):

No. of days for per diem _____

POV (need # of miles round trip): _____

Miscellaneous expenses (round trip estimates): _____
{shuttle, parking, taxi, etc.}

Common carrier fare: _____

Method of purchase for common carrier (GTR, GVTS, CC, etc.): _____

GOV (Check if this mode of transportation will be used): _____

Car Rental: _____

5. Method of Transportation: _____

6. Supervisor's signature for approval: _____

7. Region's approval: _____

PLEASE FAX TO THE REGIONAL OFFICE. THE REGIONAL OFFICE WILL FAX TO THE NOMINATIONS CONTACT PERSON NOTED AT THE END OF EACH COURSE DESCRIPTION.