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| **1st week:**Define problem | **2nd week:**Identify cause | **3rd week:**Infer to population | **4th week:** Application tools |

**Introductory Course on Field Epidemiology and Biostatistics**

**12 June - 7 July 2017**

**Bureau of Epidemiology, Ministry of Public Health**

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| **Day** | **Morning Session: 8.30-12.00** | **Afternoon Session: 13.00-16.00** |
| ***Week 1: Define problem (Dr.Patcharin)*** |
| **Mon 12 June** | *8.30-9.00**Registration* | 9.00-9:45OpeningCeremony(MC.Dr..Phanthanee) |  10.00-10.30 Pre test (Dr.Patcharin) | 10.30-12.00Special Lecture: Why do we need to monitor wildlife health?(Dr.Parntep) | 13.00-14.30Course Orientation(Dr.Chuleeporn, Dr.Karoon)  | 14.45-16.15Introduction to Field Epidemiology(Dr.Kumnuan) |
| **Tue 13****June** | *Wrap up* | Principle of Public Health Surveillance and Application(Dr.Sopon) | 13.00-14.30Animal Health Surveillance(Dr.Aurelie) | 14.45-16.15Exercise :Set up Surveillance(Dr.Patcharin, Dr.Kachen,Dr.Phanthanee,Dr.Tippawon) |
| **Wed 14****June** | Surveillance Evaluation(Dr.Patcharin) | Exercise: Surveillance Evaluation(Dr.Patcharin,Dr.Phanthanee,Dr.Karoon,Dr.Chen Lei) |
| **Thu 15****June** | Overview of Study Design and Descriptive Study( Dr.Lakkana**)** | Cross-Sectional Studyand Ecological Study(Dr.Lakkana) |
| **Fri 16****June** | Quantitative Measures 1: Frequency(Dr.Phanthanee) | Outbreak Investigation(Dr.Pawinee) |
| ***Week 2: Identify cause (Dr.Bhophkrit)*** |
| **Mon 19****June** | *Wrap up* | Applications of Outbreak Investigation and Response in Domestic and Wildlife Animal Diseases( Dr.Boripat, Dr.Prakit) | Exercise : Outbreak Investigation (Dr. Patcharin, Dr.Bhophkrit,Dr.Phantanee, Dr.Kittiphan, Dr.Prakit, Dr.Kitipat, Dr.Onpirun, Dr.Kanittha) |
| **Tue 20****June** | Cohort Study(Dr.Ram) | Exercise : Cohort Study(Dr.Bhophkrit,Dr.Phanthanee,Dr.Anupong.) |
| Exercise : Cross Sectional Study( Dr.Weerapong, Dr.Komchaluch,Dr.Tosapol) |
| **Wed 21****June** | Questionnaire Design(Dr.Teera) | 13.00 – 14.30Surveillance and Control of EID in Human(Dr.Rome) | 14.45 - 16.15Surveillance and Control of Zoonotic EID in Animal (Dr.Alongkorn) |
| **Thu22****June** | Case-Control Study(Dr.Soawapak) | Exercise : Case-Control Study(Dr.Soawapak, Dr.Chen Lei, Dr.Bhophkrit) |
| Exercise: Animal Disease Outbreak InvestigationCase Study: Case-control Study(Dr. Karoon, Dr.Kitipat) |
| **Fri23 June** | Experimental Study(Dr.Kamol) | Quantitative Measures 2: Association and Impact( Dr.Panithee) |

**Note 1. Coffee & Tea Break at 10.30-10.45 and 14.30-14.45 hrs.**

**2. Wrap up (by course participants) every day at 8.30-9.00 hrs.**

**3. Monday 12 June and 7 July: At Department of Disease Control Meeting Room**

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| **Day** | **Morning Session: 8.30-12.00** | **Afternoon Session: 13.00-16.00** |
| ***Week 3: Infer to population (Dr.Phanthanee )*** |
| **Mon 26****June** | *Wrap up* | Descriptive Statistics(Dr.Jaranit) | Inferential Statistics 1(Dr.Jaranit) |
| **Tue 27****June** | Inferential Statistics 2(Dr.Jaranit) | Inferential Statistics 3(Dr.Jaranit) |
| **Wed 28****June** |  Sampling and Exercise (Dr.Jaranit) |  Sample Size and Exercise ( Dr.Jaranit) |
| **Thu 29****June\*** |  Bias in Epidemiology (Dr. Pratap) |  Confounding (Dr.Pratap) |
| **Fri 30****June** |  Interaction (Dr.Yongjua) |  Stratified Analysis, Matching And Standardization (Dr.Yongjua) |
| ***Week 4: Application tools (Dr.Noppasorn)Dr.*** |
| **Mon 3****July** | *Wrap up* | Risk Assessment and Application for Public Health(Dr.Suwicha) | Presentation and Writing of Scientific Finding(Dr.Sunnipa) |
| **Tue 4****July** | 9.00 -10.30 Screening Test( Dr.Yongjua) | 10.45-12.15Apply GIS for Health Services(Dr.Weerapong) | Practical Use of Spreadsheet in Field Epidemiology(Dr.Kittipat, Dr.Kritchavat) |
| **Wed 5****July** | Program Evaluation(Dr.Wiput) | Economic Evaluation of Health Intervention(Dr.Usa) | Economic Evaluation of Animal Health Intervention**(**Dr. Damian)  |
| **Thu 6****July** | Apply Epidemiology for NCD.(Dr.Supattra) |  13.00-15.00Public Communication on Health Issues (Dr. Pahurat)  | 15.00-18.00 Sport Day |
| **Fri 7****July** | 9.00-10.30Ethic Concern in Outbreak Investigation(Dr. Richard) | 10.45-12.15Literature Search(Dr.Sid) | 13.00-14.00 Post test  (Dr. Kittiphan)  |  15.00 Closing Ceremony and Certification |

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**2. Wrap up (by course participants) every day at 8.30-9.00 hrs.**

**3.Four meeting room**

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| **Room A**FETP Main Meeting Room  | **Room B**FETP Library  | **Room C**Health TechnicalOffice Meeting Room | **Room D**Investigation Meeting Room |