|  |  |  |  |
| --- | --- | --- | --- |
| **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**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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* | 9.00-9:45  Opening  Ceremony  (MC.Dr.  .Phanthanee) | 10.00-10.30  Pre test  (Dr.Patcharin) | 10.30-12.00  Special Lecture: Why do we need to monitor wildlife health?  (Dr.Parntep) | 13.00-14.30  Course Orientation  (Dr.Chuleeporn, Dr.Karoon) | | 14.45-16.15  Introduction to Field Epidemiology  (Dr.Kumnuan) |
| **Tue 13**  **June** | *Wrap up* | Principle of Public Health Surveillance and Application  (Dr.Sopon) | | | 13.00-14.30  Animal Health Surveillance  (Dr.Aurelie) | | 14.45-16.15  Exercise :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 Study  and 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 – 14.30  Surveillance and Control of EID in Human  (Dr.Rome) | 14.45 - 16.15  Surveillance 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 Investigation  Case 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**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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) | 10.45-12.15  Apply 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) | | 13.00-15.00  Public Communication  on Health Issues  (Dr. Pahurat) | | | 15.00-18.00 Sport Day |
| **Fri 7**  **July** | 9.00-10.30  Ethic Concern in Outbreak Investigation  (Dr. Richard) | 10.45-12.15  Literature Search  (Dr.Sid) | 13.00-14.00  Post test  (Dr. Kittiphan) | 15.00  Closing Ceremony and Certification | | |

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

**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.Four meeting room**

|  |  |  |  |
| --- | --- | --- | --- |
| **Room A**  FETP Main Meeting Room | **Room B**  FETP Library | **Room C**  Health Technical  Office Meeting Room | **Room D**  Investigation Meeting Room |