

Module Handbook

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| Modul Name   | Veterinary Epidemiology and Economic   |
| Modul Level  | 7/Bachelor   |
| Abbreviation, if applicable                              | KME 417  |
| Sub-heading, if applicable                               |  |
| Courses included in the module, if applicable            |  |
| Semester/term  | 7/4  |
| Module coordinator(s)                                    | Dr. Mustofa Helmi Effendi., drh., DTAPH  |
| Lecturer(s)  | 1. Dr. Mustofa Helmi Effendi., drh., DTAPH<br>2. Dr. A.T. Soelih Estoepangetie, drh.<br>3. Dr. Neny Harijani, drh., M.Si.<br>4. Budiarto, drh., MP.<br>5. Dr. Dadik Rahardjo, drh., M.Kes.   |
| Language   |  |
| Classification within the curriculum                     | Compulsory/ <del>elective</del> course   |
| Teaching format/class hours per week during the semester | 2 class hour lecture and 1 class hour practical x 14 weeks   |
| Workload per semester                                    | 2x170 minutes lecture is divided into 100 minutes face to face interaction, 100 minutes structural assignment and 140 minutes independent study; 170 minutes practical is divided into 100 minutes hands on lab work and 70 minutes tutorial.  |
| Credit points  | 3 (lecture 2/practical1) (~4.53 ECTS)  |
| Requirements   | -  |
| Learning goals/competencies                              | After completing this subject students will be able to analyse and implement technic of veterinary epidemyology in public health and management of animal health properly and correctly.   |
| Content  | This subject discuss about the basic concept of epidemyology, sampling method, measurement of epydemyology, epydemyology descriptive, etyology of diseases, analysis of survey and epidemyology, field test design, analysys sistem and theory of epidemyology modeling, veterinary economic in animal health, diseases control and risk analysis. |
| Softskills attribute                                     | Team work, interpersonal communication, discipline, achievement motivation, analytical thinking.   |

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| Study/exam achievements | Final exam (27.3%), mid term exam (18.2%),assignment (13.6%), quizzes ( 16.67%), <i>Soft Skill</i> (9.1%), practical report (18.2%).  |
| Forms of media          | Computer projector, white board, AULA (Airlangga University e-Learning Application).  |
| Literatures             | <ol style="list-style-type: none"> <li>1. Kennedy, D. 1990. Epidemiological Skills in Animal Health.</li> <li>2. Martin, SW., AH. Meek, A.H. and P. Willeberg. 1987. Veterinary Epidemiology : Principles and Methods.</li> <li>3. Thrusfield. 1990. Veterinary Epidemiology.</li> <li>4. Sudrajat, S. 2002. Analisa Resiko Kesehatan Hewan.</li> <li>5. Stevenson, M. 2006. An introduction to Veterinary Epidemiology.</li> <li>6. Widgren,S.2004. Graph Theory in Veterinary Epidemiology- Modeling an Outbreak of Classical Swine Fever.</li> </ol> |