

Master of Science (Public Health Infectious diseases and Epidemiology)
Faculty of Public Health, Mahidol University

| Information on Courses | |
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| 1 | Course name: Management of Infectious Diseases Control in Public Health |
| 2 | Course code: PHIE 602 |
| 3 | Name(s) of Course Director: Asst. Prof. Dr. Natnaree Aimyong Asst. Prof. Dr. Jiraphan Junjhon Lecturer Dr. Prapassorn Pechgit |
| 4 | Rational for the inclusion of the course in the program This course is one of core courses of the Master of Science (Public Health Infectious Diseases and Epidemiology) |
| 5 | Semester/year offered : 2 nd Semester |
| 6 | Credit value: 2 (1-2-3) credits |
| 7 | Pre-requisite (if any) : None |
| 8 | Objective (s) of course: Students will be taught and practiced in 1. The principle of prevention and control of infectious diseases as a public health issue. 2. Applying for management and assessment of significant infectious diseases control in the community. 3. Designing a program for prevention and control of infectious diseases |
| 9 | Course learning outcome (CLO) : Upon completion of the course, students will be able to 1. Describe the principle of prevention and control of infectious diseases as a public health issue. 2. Apply in management and assessment of significant infectious diseases control in the community. 3. Design a program for prevention and control of infectious diseases |
| 10. | Transferable skills <i>(the outcome that relates to any and all disciplines e.g. written, oral, problem solving skill, logical thinking skill, analytic thinking, communication, teamwork, leadership skill, information technology, etc.)</i> Students will develop skills as follows: <ul style="list-style-type: none"> • Writing and oral presentation • Conceptual and logical thinking • Analytical thinking |

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| | <ul style="list-style-type: none"> • Communication • Teamwork • Leadership |
| 11. | Teaching and learning assessment strategy: <ul style="list-style-type: none"> • Class participation and discussion • Written examination • Site visit participation and report • Project assignment report and oral presentation |
| 12. | Course description; Application of knowledge in infectious diseases, epidemiology and public health management or others related for health promotion, infectious disease prevention and control, eradication of infectious diseases that are public health problems, community action planning, disease surveillance and control in practice, management and evaluation of disease prevention and control program |
| 13. | Teaching methods: Lectures / Discussion, Class exercises, Site visit study, Assignments and presentation, Role playing |
| 14. | Evaluation methods and types: Coursework (Quiz, tests, assignments, project, and presentation. Examination (Final examination) 1. Written examination, 30% 2. Project and site visit reports, 30% 3. Presentation and discussion, 30% 4. Class attendance, 10% |

| 15. Content outline of the course/module and SLT per topic | | | | | |
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| Topic | CLO | No. of Hours | | | |
| | | Lecture | Practice | SL | TLT |
| 1. Course introduction | 1,2,3 | 1 | 2 | 3 | 3 |
| 2. International management of infectious diseases control | 1,2,3 | 1 | 2 | 3 | 3 |
| 3. National management of infectious diseases control | 1,2,3 | 1 | 2 | 3 | 3 |
| 4. Community management of infectious diseases control | 1,2,3 | 1 | 2 | 3 | 3 |
| 5. Environmental management for infectious diseases control | 1,2,3 | 1 | 2 | 3 | 3 |
| 6. Outbreak investigation management | 1,2,3 | 1 | 2 | 3 | 3 |
| 7. Risk assessment of infectious diseases and management | 1,2,3 | 1 | 2 | 3 | 3 |
| 8. Guidelines for the preparation of the plan, management, prevention and control of infectious | 1,2,3 | 1 | 2 | 3 | 3 |

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| diseases. | | | | | |
| 9. Site visit study (1) | 1,2,3 | 1 | 2 | 3 | 3 |
| 10. Site visit study (2) | 1,2,3 | 1 | 2 | 3 | 3 |
| 11. Public health informatics (1) | 1,2,3 | 1 | 2 | 3 | 3 |
| 12. Public health informatics (2) | 1,2,3 | 1 | 2 | 3 | 3 |
| 13. Management of infectious diseases prevention and control program: Project planning | 1,2,3 | 1 | 2 | 3 | 3 |
| 14. Immunization management | 1,2,3 | 1 | 2 | 3 | 3 |
| 15. Presentation of assigned protect | 1,2,3 | 1 | 2 | 3 | 3 |
| 16. Written examination | | | | | |
| Total | | 15 | 30 | 45 | 45 |

Note: SL = self-learning, TLT = total learning time