### A. DETAILS OF COURSE

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td><strong>1. Course Name</strong></td>
<td>Vector and Rodent Control</td>
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<tr>
<td><strong>2. Course Code</strong></td>
<td>LKM309</td>
</tr>
<tr>
<td><strong>3. Credits (SKS)</strong></td>
<td>2 (two) SKS</td>
</tr>
<tr>
<td><strong>4. Semester / Term</strong></td>
<td>VI (sixth)</td>
</tr>
<tr>
<td><strong>5. Study Program</strong></td>
<td>Bachelor of Public Health</td>
</tr>
<tr>
<td><strong>6. Student Learning Achievement</strong></td>
<td>Have a mastery of public health science skills</td>
</tr>
<tr>
<td><strong>7. Course Learning Achievement</strong></td>
<td>At the end of the course, students will be able to determine the type of vector and rodent transmitting disease that will be controlled so as not to cause public health problems.</td>
</tr>
<tr>
<td><strong>8. Course Outline</strong></td>
<td>This course discusses the definitions of vectors and rodents, which include definitions of vector and rodent, parasitological aspects, environmental health and sociological aspects in the control of vectors and rodents.</td>
</tr>
<tr>
<td><strong>9. Course Prerequisites (if any)</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>10. Instructor</strong></td>
<td>Prof. Dr. Ririh Yudhastuti, Drh.MSc</td>
</tr>
</tbody>
</table>
| **11. Teaching Assistants** | 1. Kusuma S. Lestari, dr., M.KM.  
2. M. Farid Dimjati Lusno, dr., M.KL.  
3. Khuliyah C. Dinayah S.KM., M.KL |

### B. TEACHING PROGRAM
### SEMESTER LEARNING PLAN

<table>
<thead>
<tr>
<th>Faculty of Public Health</th>
<th>Valid on Semester (odd/even)</th>
<th>Academic Year</th>
<th>Even Semester</th>
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<tbody>
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**SLP**

- **Prepared by**: Prof. Dr. Ririh Yudhastuti, Drh.MSc
- **Examined by**: Dr. Diah Indriani, S.Si., M.Si
- **Approved by**: Dr. Santi Martini, dr., M.Kes

**Revision Date**: January 1st, 2019

**Document Registration Number**: 01/S1Kesmas/RPS/2019

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**Skills expected at the end of each learning phase**
(Sub-Course Achievement) (C, A, P)

1. Students are able to determine the types of vector and rodent transmitting diseases in the community and their control.

2. Students are able to explain bionomic vectors: lifecycle breeding place/resting place, distribution

3. Students are able to explain bionomic rodent: Life cycle of rodent

4. Students are able to explain vector-borne diseases: mosquitoes, flies, cockroaches, fleas,

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**Study Materials**

- Controlling scope of vector and rodent: a. Epidemiology of vector and rodent b. Definition of vector and rodent
- Bionomic vectors: lifecycle breeding place/resting place, distribution
- Bionomic rodent: Life cycle of rodent
- Vector borne diseases: mosquitoes, flies, cockroaches, fleas,

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**Teaching Methods**

- Lectures
- Discussions
- LCD and Laptop

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**Meeting Time**

- 2x50 minutes

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**Course Objectives**

- Critical thinking
- Communication skill

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**Criteria and Indicator of Evaluation / Measurable Learning Outcome (hard dan soft skills)**

- Mark / Grade / Percentage (%)
- Reference Number (nomor)

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**Week 1**

- **Course Objectives**: Critical thinking Communication skill
- **Reference Number**: Book 1,4

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**Week 2**

- **Course Objectives**: Critical thinking Communication skill
- **Reference Number**: Book 1

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**Week 3**

- **Course Objectives**: Critical thinking Communication skill
- **Reference Number**: Book 1,2,3

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**Week 4**

- **Course Objectives**: Critical thinking Communication skill
- **Reference Number**: Book 1,2,3

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**Evaluation of this document is needed every year**
### SEMESTER LEARNING PLAN

<table>
<thead>
<tr>
<th>Week</th>
<th>Skills expected at the end of each learning phase (Sub-Course Achievement) (C, A, P)</th>
<th>Study Materials</th>
<th>Teaching Methods</th>
<th>Additional Materials for Learning</th>
<th>Meeting Time</th>
<th>Course Objectives</th>
<th>Criteria and Indicator of Evaluation / Measurable Learning Outcome (hard dan soft skills)</th>
<th>Mark / Grade / Percent age (%)</th>
<th>Reference Number Ref. (nomor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ticks, mites, lice and scabies</td>
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<tr>
<td>5</td>
<td>Students are able to explain rodent-borne diseases</td>
<td>Rodent-borne diseases: Leptospirosis, pes, hantavirus, Rat bite fever, Rabies, Salmonella typhymurium</td>
<td>Lectures Discussions</td>
<td>LCD and Laptop</td>
<td>2x50 minutes</td>
<td>Critical thinking Communication skill</td>
<td>Book 1,2,4</td>
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<tr>
<td>6</td>
<td>Students are able to explain epidemiology and distribution of vector-borne diseases</td>
<td>Epidemiology and distribution of vector diseases: Distribution of px due to vector based on location, group, and population</td>
<td>Lectures Discussions</td>
<td>LCD and Laptop</td>
<td>2x50 minutes</td>
<td>Critical thinking Communication skill Creativity</td>
<td>Book 1,2</td>
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<tr>
<td>7</td>
<td>Students are able to explain epidemiology and distribution of rodent-borne diseases</td>
<td>Epidemiology and distribution of rodent-borne diseases: Distribution of px because of Rodent</td>
<td>Lectures Discussions</td>
<td>LCD and Laptop</td>
<td>2x50 minutes</td>
<td>Critical thinking Communication skill Creativity</td>
<td>Book 4</td>
<td></td>
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<tr>
<td>Week</td>
<td>Skills expected at the end of each learning phase (Sub-Course Achievement) (C, A, P)</td>
<td>Study Materials</td>
<td>Teaching Methods</td>
<td>Additional Materials for Learning</td>
<td>Meeting Time</td>
<td>Course Objectives</td>
<td>Criteria and Indicator of Evaluation / Measurable Learning Outcome (hard dan soft skills)</td>
<td>Mark / Grade / Percentage (%)</td>
<td>Reference Number (nomor)</td>
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<tr>
<td>8</td>
<td>Students are able to explain indicators of measurement of vector-borne and rodent-borne diseases</td>
<td>Indicators for measuring vector-borne and rodent-borne diseases: HI, BI, CI, Maya Index, MBR, EIR</td>
<td>Lectures Discussions Assignments</td>
<td>LCD and Laptop</td>
<td>2x50 minutes</td>
<td>Course Objectives</td>
<td>Communication skill</td>
<td>Book 1,2</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Students are able to explain the use of insecticides and rodenticides</td>
<td>Insecticides: Insecticides for larvae and adults as well as rodenticides</td>
<td>Lectures Discussions</td>
<td>LCD and Laptop</td>
<td>2x50 minutes</td>
<td>Critical thinking</td>
<td>Communication skill</td>
<td>Book 1,2,3,4</td>
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<tr>
<td>10</td>
<td>Students are able to explain the control of vector-borne and rodent-borne diseases in the community based on government regulations and by law</td>
<td>Control of vector and rodent-borne diseases in the community based on government regulations and by law: Regulations in</td>
<td>Lectures Discussions</td>
<td>LCD and Laptop</td>
<td>2x50 minutes</td>
<td>Critical thinking</td>
<td>Communication skill</td>
<td>Book 4</td>
<td></td>
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<tr>
<td>Week</td>
<td>Skills expected at the end of each learning phase (Sub-Course Achievement) (C, A, P)</td>
<td>Study Materials</td>
<td>Teaching Methods</td>
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<td>Meeting Time</td>
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<tr>
<td>11</td>
<td>Students are able to explain the control of vector and rodent-borne diseases based on environmental, climate and geographic geography aspects</td>
<td>Quarantine, boundaries, IHR</td>
<td>Lectures Discussions</td>
<td>LCD and Laptop</td>
<td>2x50 minutes</td>
<td>Critical thinking Communication skill Teamwork</td>
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<td></td>
<td>Book 1,3</td>
</tr>
<tr>
<td>12</td>
<td>Students are able to explain the planning of controlling vector and rodent-borne diseases in an area.</td>
<td>Paper for vector and rodent-borne disease control in an area. Making POACE for controlling vectors and rodents in an area</td>
<td>Lectures Discussions Assignments</td>
<td>LCD and Laptop</td>
<td>2x50 minutes</td>
<td>Critical thinking Communication skill Creativity</td>
<td></td>
<td></td>
<td>Book 1,2 3</td>
</tr>
</tbody>
</table>

**C. REQUIRED TEXTS / REFERENCES / ESSENTIAL READINGS**
Universitas Airlangga

SEMESTER LEARNING PLAN

SLP

Prepared by
(Person in Charge)

Examined by
(Head of Bachelor Program / Head of Department)

Approved by
Vice Dean I

Faculty of Public Health

Revision - Date
January 1st, 2019

Prof. Dr. Ririh Yudhastuti, Drh.MSc

Dr. Diah Indriani, S.Si., M.Si

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References: