A. DETAILS OF COURSE

1. **Course Name**
   - Health Measurement

2. **Course Code**
   - KME422

3. **Credits (SKS)**
   - 2 (two) SKS

4. **Semester / Term**
   - VI (sixth)

5. **Study Program**
   - Bachelor of Public Health

6. **Student Learning Achievement**
   - At the end of the course, students will be able to comprehend the concept of Public Health Science

7. **Course Learning Achievement**
   - After attending this course, students meet the following learning outcomes:
     - **LO.1. Conduct a situation analysis and analysis (analytical / assessment skills)**
       1. Define the problem precisely
       1.2. Determine the usefulness and limitations of the data
       1.3. Use ethical principles in gathering data and information
       1.4. Make relevant inference from quantitative and qualitative data
       1.5. Retrieve and interpret data and information related to risks and the environment.
       1.6. Implementing data collection processes and information technology applications

     - **LO.2. Developing and designing health policies and programs (policy development / program planning skills)**
       2.1. Collect, summarize, and interpret information about various health issues.

     - **Lo.3. Communicate effectively (communication skills)**
       3.1. Communicating through written, oral, or other methods
       3.2. Lead and participate in groups to formulate specific public health issues
       3.3. Using media, technology and networks to spread information
       3.4. Present accurate information about demographics, statistics, programs and science to the professional community.

     - **LO.6. Have mastery of public health science (public health science skills)**
### B. TEACHING PROGRAM

<table>
<thead>
<tr>
<th>Week</th>
<th>Skills expected at the end of each learning phase (Sub-Course Achievement) (C, A, P)</th>
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<tbody>
<tr>
<td>1</td>
<td>Explain the validity and reliability of measurements:</td>
<td>Definition and variation of measurements:</td>
<td>Lectures, Discussions</td>
<td>LCD and Whiteboard</td>
<td>2x50 minutes</td>
<td>Discipline, communication</td>
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<td>1, 2, 4</td>
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<td>Week</td>
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<td>1. Definition of measurement</td>
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<td>2. Measurement variation</td>
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<td>3. Source of variation</td>
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<td>2</td>
<td>Explain the validity and reliability of measurements</td>
<td>Validity of measurement: 1. Definition 2. Assessment 3. Strategies to increase validity</td>
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<td>LCD and Whiteboard</td>
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<td>3</td>
<td>Explain the validity and reliability of measurements</td>
<td>Measurement reliability: 1. Definition 2. Assessment 3. Strategies to increase validity</td>
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<td>The use of validity &amp; reliability of a</td>
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**Semester Learning Plan**

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<td>measuring instrument: 1. Relationship of validity and reliability 2. The benefits of validity and reliability of a measuring instrument in relation to the conclusions of the study</td>
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<td>5</td>
<td>Explain about measuring physical disability</td>
<td>The concept of measuring physical disability: 1. Definition of measuring physical disability</td>
<td>Lectures Discussions</td>
<td>LCD and Whiteboard</td>
<td>2x50 minutes</td>
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### SEMESTER LEARNING PLAN

**Universitas Airlangga**

**SLP**

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

**Faculty of Public Health**

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<td>6</td>
<td>Explain about measuring physical disability</td>
<td>Type of physical disability measurement: 1. The PULSES Profile 2. The Barthel index 3. Functional Independence Measure 4. The Health Assessment Questionnaire</td>
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<td>7</td>
<td>Explain about social health measurement</td>
<td>Adaptation and Social Role: 1. Definition of social roles</td>
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<td>8</td>
<td>Explain about social health measurement</td>
<td>Types of Social Health Measurements: 1. The social relationship scale&lt;br&gt;2. The social support questionnaire&lt;br&gt;3. The social adjustment scale</td>
<td>Lectures Discussions</td>
<td>LCD and Whiteboard</td>
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<td>9</td>
<td>Explain the measurement of psychological well-being</td>
<td>The psychological measurement approach:</td>
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**Faculty of Public Health**

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**MID TERM EXAMINATION**

- Types of Social Health Measurements: 1. The social relationship scale<br>2. The social support questionnaire<br>3. The social adjustment scale

- Lectures Discussions

- LCD and Whiteboard

- 2x50 minutes

- Discipline, communication

**Reference Number**

- 3
### SEMESTER LEARNING PLAN

**SLP**

**Prepared by**
(Person in Charge)

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

**Approved by**
Vice Dean I

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

**Revision Date**
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**Faculty of Public Health**
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<td>4. The concept of psychological measurement</td>
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<td>10</td>
<td>Explain the measurement of psychological well-being</td>
<td>Types of psychological measurements: 6. The health opinion survey 7. The twenty two item screening score of</td>
<td>4. The concept of psychological measurement</td>
<td>5. Psychological measurement plan</td>
<td>Lectures Discussions</td>
<td>LCD and Whiteboard</td>
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<td>Approaching the end of the semester</td>
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<td>Explain the measurement of depression</td>
<td>Depression measurement scale</td>
<td>Lectures</td>
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## SEMESTER LEARNING PLAN

### Preparation Details
- **Prepared by:** (Person in Charge)
- **Examined by:** (Head of Bachelor Program / Head of Department)
- **Approved by:** Vice Dean I

### Faculty Information
- **Faculty of Public Health**
- **Valid on:** Even Semester
- **Academic Year:**

### Revision Details
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<tr>
<td>12</td>
<td>Explain the measurement of depression</td>
<td>Types of depression measurement scale: 12. The Beck Depression Inventory 13. The self-rating depression scale 14. The center for epidemiologic studies depression scale (CES-D) 15. The geriatric – depression scale 16. The Hamilton Rating scale</td>
<td>Lectures Discussions</td>
<td>LCD and Whiteboard</td>
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</table>
| 13.  | Explain mental status measurements
      | Cognitive function test categories:
      1. Cognitive disorders and dementia
      2. Combined test to assess dementia
      Types of measurement of mental status:
      17. The Dementia Rating Scale
      18. The Cognitive capacity screening Examination |
      | Lectures Discussions                                                                 | LCD and Whiteboard | 2x50 minutes     | Discipline, communication       | 3           |                  |                                            |                               |                 |
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<td>1. The concept of pain measurement</td>
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<td>2. The type of pain measurement is behavioral</td>
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<td>23. The McGill Pain Questionnaire</td>
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<td>24. The Medical Outcomes Study Pain Measures</td>
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<td>25. The Pain Perception Profile</td>
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| 15.  | Explain the measurement of quality of life                                           | Measuring quality of life:  
1. The concept of quality of life  
2. Benefits of measuring quality of life  
Type of measurement of quality of life:  
26. The Quality of Life Index  
27. The Short-Form 36 Health Survey (SF-36)  
28. The Multilevel | Discipline, communication | 3 |
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**Examined by:** (Head of Bachelor Program / Head of Department)

**Approved by:** Vice Dean I

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- Assessment Instrument
- The Arthritis Impact Measurement Scales
- The Functional Living Index - Cancer

**FINAL TERM EXAMINATION**

### C. REQUIRED TEXTS / REFERENCES / ESSENTIAL READINGS

**Semester Learning Plan**

**Prepared by:** (Person in Charge)

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

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8. Budioro, 2006 Pengantar Ilmu Kesehatan Masyarakat
17. Prawiro Hardjo, S (1997). Ilmu Kebidanan. YBPSP, UI, Jakarta
23. Walsh, L (2001). Midwifery: Community Based Care During The Childbearing Year, WB Sanders Company, USA