

## Universitas Negeri Surabaya Faculty of Mathematics and Natural Sciences Undergraduate Chemistry Study Program

Document Code

## SEMESTER LEARNING PLAN

| Courses                        |   | CODE  |                               | Cou                  | rse Fan              | nily               |                      | C               | redit V               | Veigh  | t                      | SEI                 | MESTER               | R                 | Con<br>Date      | npilatio          | on          |
|--------------------------------|---|---|-------------------------------|----------------------|----------------------|--------------------|----------------------|-----------------|-----------------------|--|------------------------|---------------------|----------------------|-------------------|------------------|-------------------|-------------|
| PROGRAM IMPLEMENTATION         |   | 472010321   | 03212 Non Clum                |                      | Clump                |                    | T=3 P=0 ECTS=4.77    |                 | 7                     | 6  |                        | July                | 17, 20               | 24                |                  |                   |             |
| AUTHORIZATION                  |   | SP Develo   | per                           |                      |                      |                    | Cour                 | se C            | e Cluster Coordinator |  |                        | Stu                 | dy Proç              | gram              | Coo              | rdinato           | or          |
|                                |   |   |                               |                      |                      |                    | Dr. Ai               | maria           | a, M.S                | i.   |                        |                     | Dr. A                | Amari             | ia, M.           | Si.               |             |
| Learning<br>model              | Project Based Learning  |   |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
| Program                        | PLO study program that is charged to the course   |   |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
| Learning                       | Program Objectives (PO)   |   |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
| (PLO)                          | PO - 1 Able to be responsible, have professional ethics, and adapt in implementing planned programs based on effective and efficient performance indicators |   |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                | PO - 2  | 2 Able to understand work processes, data collection and analysis techniques related to special tasks assigned by IDUKA |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                | PO - 3  | Able to collabora   | te and com                    | municat              | e in imp             | lemen              | ting pro             | ograr           | ns at I               | at IDUKA according to their field of expertise |                        |                     |                      |                   |                  |                   |             |
|                                | PO - 4  | Able to apply ski   | ls, science                   | , technol            | ogy and              | l/or art           | in thei              | r field         | d in so               | lving p  | roblems                | at IDU              | JKA                  |                   |                  |                   |             |
|                                | PLO-PO Matrix   |   |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                |   | P.0<br>PO-1<br>PO-2<br>PO-3<br>PO-4   |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                | PO Matrix at the  | e end of each le  | arning sta                    | age (Su              | b-PO)                |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                |   |   | <u> </u>                      |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                |   | P.0   |                               |                      | 4 5                  |                    |                      |                 | Wee                   | K  |                        | 10                  | 10 1                 |                   | 45               | 10                |             |
|                                |   | DO 1  | 1 2                           | 3                    | 4 5                  | 6                  | 1                    | 8               | 9                     | 10   | 11                     | 12                  | 13 14                | 4                 | 15               | 16                |             |
|                                |   | P0-1  | +                             |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   | _                |                   |             |
|                                |   | PO-2  | +                             |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                |   | PO-3  | +                             |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   | _                |                   |             |
|                                |   | PO-4  |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  | ]                 |             |
| Short<br>Course<br>Description | This course provi<br>solving problems<br>tasks.   | ides students with<br>in industry, under  | 1 experienc<br>standing w     | e in ada<br>ork proc | apting to<br>esses i | o an ir<br>n indu  | ndustria<br>stry, co | al envollecti   | vironm<br>ing an      | ient, a<br>d anal                              | pplying t<br>lyzing da | the kno<br>ata rela | owledge<br>ated to g | e/skill:<br>jener | s they<br>al an  | y have<br>d spec  | in<br>ial   |
| References                     | Main :  |   |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                | 1. Tim Unes<br>Negeri Si  | sa. 2020. Pedoma<br>urabaya.  | ın dan Impl                   | ementas              | si Kuriku            | ılum N             | lerdeka              | a Bela          | ajar Ka               | ampus  | Merdek                 | a (MBI              | KM). Su              | rabay             | ya: U            | niversit          | tas         |
|                                | Supporters:   |   |                               |                      |                      |                    |                      |                 |                       |  |                        |                     |                      |                   |                  |                   |             |
|                                | <ol> <li>Tim FT<br/>Universita</li> <li>Tim FE L<br/>Surabaya</li> </ol>  | Unesa. 2014. Bu<br>as Negeri Suraba<br>Jnesa. 2018. Buk<br>a.   | ku Pandua<br>γa.<br>⊔ Panduan | an Prakt<br>Praktik  | ik Indus<br>Kerja La | stri/Pra<br>apanga | ıktik Ko<br>an (PK   | erja ∣<br>L) Fa | Lapan<br>akultas      | gan (I<br>5 Ekon                               | PKL) Fa<br>omi Une     | kultas<br>esa. Su   | Teknik<br>ırabaya:   | Une:<br>Univ      | sa. S<br>/ersita | iurabay<br>as Neg | ya:<br>Jeri |

| Support<br>lecturer | t <b>ing</b> Dr<br>Dr<br>Mi                          | : Amaria, M.Si.<br>: Dina Kartika N<br>irwa Adiprahara                        | Iaharani, S.Si., N<br>Anggarani, S.Si.   | 1.Sc.<br>, M.Si.  |   |   |  |                          |  |
|---------------------|--|---|--|---|---|---|--|--------------------------|--|
| Week-               | Final abilities of<br>each learning<br>stage         |   | Evaluation   |   | He<br>Learr<br>Studer<br>[Es  | lp Learning,<br>ning methods,<br>nt Assignments,<br>timated time]   | Learning<br>materials  | Assessment<br>Weight (%) |  |
|                     | (SuĎ-F   | 90)   | Indicator  | Criteria & Form   | Offline(<br>offline)  | Online ( <i>online</i> )  | [References]   |                          |  |
| (1)                 |  | (2)   | (3)  | (4)   | (5)   | (6)   | (7)  | (8)                      |  |
| 1                   | Able t<br>the pr<br>proce<br>progra<br>implei        | to understand<br>reparation<br>dures for<br>am<br>mentation                   | Understand<br>the<br>proparation<br>procedures<br>for<br>implementing<br>the internship<br>program       | Criteria:<br>1.Participation<br>2.Writing test<br>Form of Assessment :<br>Participatory Activities,<br>Practice/Performance | Lecture<br>Group<br>discussion<br>Assignment 1:<br>Presentation<br>about<br>preparations<br>for<br>implementing<br>a<br>3x50<br>internship                                  | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-1: Presentation<br>on preparation for<br>internship<br>3x50   | Material:<br>Preparation for<br>program<br>implementation<br>Library:<br>Unesa Team.<br>2020.<br>Guidelines and<br>Implementation<br>of the<br>Independent<br>Campus<br>Learning<br>Curriculum<br>(MBKM).<br>Surabaya:<br>Surabaya<br>State<br>University.                                   | 5%                       |  |
| 2                   | Able t<br>the pr<br>proce<br>progra<br>implei        | to understand<br>reparation<br>dures for<br>am<br>mentation                   | Understand<br>the<br>preparation<br>procedures<br>for<br>implementing<br>the internship<br>program       | Criteria:<br>1.Participation<br>2.Writing test<br>Form of Assessment :<br>Participatory Activities,<br>Practice/Performance | Lecture<br>Group<br>discussion<br>Assignment 1:<br>Presentation<br>about<br>preparations<br>for<br>implementing<br>a<br>3x50<br>internship                                  | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-1: Presentation<br>on preparation for<br>internship<br>3x50   | Material:<br>Preparation for<br>program<br>implementation<br>Library:<br>Unesa Team.<br>2020.<br>Guidelines and<br>Implementation<br>of the<br>Independent<br>Campus<br>Learning<br>Curriculum<br>(MBKM).<br>Surabaya:<br>Surabaya<br>State<br>University.                                   | 5%                       |  |
| 3                   | Able t<br>the pr<br>respo<br>profes<br>and a<br>IDUK | to understand<br>inciples of<br>insibility,<br>ssional ethics<br>dapt to<br>A | Understand<br>the principles<br>of<br>responsibility,<br>professional<br>ethics and<br>adapt to<br>IDUKA | Criteria:<br>1.Participation<br>2.writing test<br>Form of Assessment :<br>Participatory Activities,<br>Practice/Performance | Lecture<br>Group<br>discussion<br>Assignment 2:<br>Presentation<br>on the<br>principles of<br>responsibility,<br>professional<br>ethics and<br>adapting at<br>IDUKA<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-2:<br>Presentation of the<br>principles of<br>responsibility,<br>professional ethics and<br>adapting at IDUKA<br>3x50 | Material:<br>Principles of<br>Responsibility<br>and<br>Professional<br>Ethics<br><b>Reader:</b><br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya:<br>State<br>University. | 5%                       |  |

| 4 | Able to understar<br>the work process<br>IDUKA | d Understand<br>the work<br>process at<br>IDUKA  | Criteria:<br>1.Participation<br>2.writing test<br>Form of Assessment :<br>Participatory Activities,<br>Practice/Performance                                      | Lecture<br>Group<br>discussion<br>Assignment 2:<br>Presentation<br>about<br>understanding<br>the work<br>process at<br>IDUKA<br>3x50   | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-2: Presentation<br>on understanding work<br>processes at IDUKA<br>3x50  | Material:<br>Principles of<br>Responsibility<br>and<br>Professional<br>Ethics<br><b>Reader:</b><br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya<br>State<br>University. | 5%  |
|---|--|--|--|--|---|---|-----|
| 5 | Able to collect an analyze data at IDUKA       | d Collect and<br>analyze data<br>according to<br>specific task<br>requirements<br>from IDUKA | Criteria:<br>1.Participation<br>2.Performance Test<br>Form of Assessment :<br>Participatory Activities,<br>Practice/Performance                                  | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 4:<br>document<br>tabulated data<br>results<br>according to<br>special<br>assignment<br>requirements<br>from IDUKA<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-4: document<br>tabulated data results<br>according to special<br>assignment<br>requirements from<br>IDUKA<br>3x50 | Material:<br>Library Data<br>Tabulation :<br>Unesa Team.<br>2020.<br>Guidelines and<br>Implementation<br>of the<br>Independent<br>Campus<br>Learning<br>Curriculum<br>(MBKM).<br>Surabaya:<br>Surabaya<br>State<br>University.  | 20% |
| e | Able to collect an<br>analyze data at<br>IDUKA | d Collect and<br>analyze data<br>according to<br>specific task<br>requirements<br>from IDUKA | Criteria:<br>1.Participation<br>2.Performance Test<br>Form of Assessment :<br>Participatory Activities,<br>Practice/Performance                                  | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 4:<br>document<br>tabulated data<br>results<br>according to<br>special<br>assignment<br>requirements<br>from IDUKA<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-4: document<br>tabulated data results<br>according to special<br>assignment<br>requirements from<br>IDUKA<br>3x50 | Material:<br>Library Data<br>Tabulation :<br>Unesa Team.<br>2020.<br>Guidelines and<br>Implementation<br>of the<br>Independent<br>Campus<br>Learning<br>Curriculum<br>(MBKM).<br>Surabaya:<br>Surabaya<br>State<br>University.  | 20% |
| 7 | 7 Able to compile daily notes (logbook)        | Compile a<br>daily record<br>(logbook) of<br>practical work<br>internship<br>activities      | Criteria:<br>1.Participation<br>2.Performance Test<br>Form of Assessment :<br>Participatory Activities,<br>Project Results<br>Assessment / Product<br>Assessment | Field work<br>practice<br>Group<br>discussion<br>Task 5: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50   | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-5: daily record<br>document (logbook)<br>during the internship<br>3x50  | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya:<br>Surabaya<br>State<br>University.   | 30% |
| ε | Able to compile<br>daily notes<br>(logbook)    | Compile a<br>daily record<br>(logbook) of<br>practical work<br>internship<br>activities      | Criteria:<br>1.Participation<br>2.Performance Test<br>Form of Assessment :<br>Participatory Activities,<br>Project Results<br>Assessment / Product<br>Assessment | Field work<br>practice<br>Group<br>discussion<br>Task 5: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50   | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-5: daily record<br>document (logbook)<br>during the internship<br>3x50  | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya:<br>Surabaya<br>State<br>University.   | 30% |

| 9  | Able to apply skills,<br>science,<br>technology, and/or<br>art in their field in<br>solving problems at<br>IDUKA | Apply skills,<br>science,<br>technology<br>and/or art in<br>their field in<br>solving<br>problems at<br>IDUKA | Criteria:<br>Participation<br>Form of Assessment :<br>Participatory Activities   | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 6: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-6:<br>3x50 documents | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya:<br>Surabaya<br>State<br>University. | 30% |
|----|--|---|--|--|--|---|-----|
| 10 | Able to apply skills,<br>science,<br>technology, and/or<br>art in their field in<br>solving problems at<br>IDUKA | Apply skills,<br>science,<br>technology<br>and/or art in<br>their field in<br>solving<br>problems at<br>IDUKA | Criteria:<br>Participation<br>Form of Assessment :<br>Participatory Activities,<br>Project Results<br>Assessment / Product<br>Assessment | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 6: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-6:<br>3x50 documents | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya:<br>Surabaya<br>State<br>University. | 30% |
| 11 | Able to apply skills,<br>science,<br>technology, and/or<br>art in their field in<br>solving problems at<br>IDUKA | Apply skills,<br>science,<br>technology<br>and/or art in<br>their field in<br>solving<br>problems at<br>IDUKA | Criteria:<br>Participation<br>Form of Assessment :<br>Participatory Activities,<br>Project Results<br>Assessment / Product<br>Assessment | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 6: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-6:<br>3x50 documents | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya<br>State<br>University.              | 30% |
| 12 | Able to apply skills,<br>science,<br>technology, and/or<br>art in their field in<br>solving problems at<br>IDUKA | Apply skills,<br>science,<br>technology<br>and/or art in<br>their field in<br>solving<br>problems at<br>IDUKA | Criteria:<br>Participation<br>Form of Assessment :<br>Participatory Activities,<br>Project Results<br>Assessment / Product<br>Assessment | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 6: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-6:<br>3x50 documents | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya<br>State<br>University.              | 30% |
| 13 | Able to apply skills,<br>science,<br>technology, and/or<br>art in their field in<br>solving problems at<br>IDUKA | Apply skills,<br>science,<br>technology<br>and/or art in<br>their field in<br>solving<br>problems at<br>IDUKA | Criteria:<br>Participation<br>Form of Assessment :<br>Participatory Activities,<br>Project Results<br>Assessment / Product<br>Assessment | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 6: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-6:<br>3x50 documents | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya<br>State<br>University.              | 30% |

| 14 | Able to apply skills,<br>science,<br>technology, and/or<br>art in their field in<br>solving problems at<br>IDUKA | Apply skills,<br>science,<br>technology<br>and/or art in<br>their field in<br>solving<br>problems at<br>IDUKA | Criteria:<br>Participation<br>Form of Assessment :<br>Participatory Activities,<br>Project Results<br>Assessment / Product<br>Assessment | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 6: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-6:<br>3x50 documents | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya:<br>Surabaya<br>State<br>University. | 30% |
|----|--|---|--|--|--|---|-----|
| 15 | Able to apply skills,<br>science,<br>technology, and/or<br>art in their field in<br>solving problems at<br>IDUKA | Apply skills,<br>science,<br>technology<br>and/or art in<br>their field in<br>solving<br>problems at<br>IDUKA | Criteria:<br>Participation<br>Form of Assessment :<br>Participatory Activities,<br>Project Results<br>Assessment / Product<br>Assessment | Field work<br>practice<br>Observation,<br>group<br>discussion<br>Task 6: daily<br>record<br>document<br>(logbook)<br>during the<br>work practice<br>internship<br>3x50 | Vinesa (Synchronous,<br>Asynchronous)<br>Group discussion<br>Task-6:<br>3x50 documents | Material:<br>Logbook<br>Library:<br>Unesa FT<br>Team. 2014.<br>Guidebook for<br>Industrial<br>Practices/Field<br>Work Practices<br>(PKL) for the<br>Faculty of<br>Engineering,<br>Unesa.<br>Surabaya:<br>Surabaya<br>State<br>University. | 30% |
| 16 |  |   |  |  |  | Material:<br>Program<br>implementation<br>Library:<br>Unesa FE<br>Team. 2018.<br>Field Work<br>Practice<br>Guidebook<br>(PKL) for the<br>Faculty of<br>Economics,<br>Unesa.<br>Surabaya:<br>Surabaya<br>State<br>University.              | 0%  |

## Evaluation Percentage Recap: Project Based Learning

| No | Evaluation                                      | Percentage |
|----|---|------------|
| 1. | Participatory Activities                        | 180%       |
| 2. | Project Results Assessment / Product Assessment | 120%       |
| 3. | Practice / Performance                          | 30%        |
|    |   | 100%       |

## Notes

- Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study
  Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their
  study program obtained through the learning process.
- 2. The PLO imposed on courses are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- 3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. **Indicators for assessing** abilities in the process and student learning outcomes are specific and measurable statements that identify the abilities or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment: test and non-test.
- 8. Forms of learning: Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- 9. Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.

- The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
   TM=Face to face, PT=Structured assignments, BM=Independent study.