



MODULE HANDBOOK PROJECT DESIGN



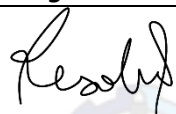



**BACHELOR DEGREE PROGRAM
DEPARTMENT OF BIOMEDICAL ENGINEERING
FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS
TECHNOLOGY**

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

ENDORSEMENT PAGE



MODULE HANDBOOK
Project Design
DEPARTMENT OF BIOMEDICAL ENGINEERING
 INSTITUT TEKNOLOGI SEPULUH NOPEMBER
 Number : 6885/IT2.IX.5.1.2/B/PP.03.00.00/2023

Proses Process	Penanggung Jawab Person in Charge			Tanggal Date
	Nama Name	Jabatan Position	Tandatangan Signature	
Perumus <i>Preparation</i>	Dr. Achmad Arifin, S.T., M.Eng.	Dosen <i>Lecturer</i>		November 18, 2022
Pemeriksa dan Pengendalian <i>Review and Control</i>	Dr. Norma Hermawan, S.T., M.Sc.	Tim kurikulum <i>Curriculum team</i>		November 20, 2022
Persetujuan <i>Approval</i>	Ir. Josaphat Pramudijanto, M.Eng.	Koordinator RMK <i>Course Cluster Coordinator</i>		April 13, 2023
Penetapan <i>Determination</i>	Dr. Achmad Arifin, S.T., M.Eng.	Kepala Departemen <i>Head of Department</i>		April 17, 2023


MODULE HANDBOOK

PROJECT DESIGN

Module name	Project Design	
Module level	Undergraduate	
Code	EB234603	
Course (if applicable)	Project Design	
Semester	Sixth Semester	
Person responsible for the module	Muhammad Hilman Fatoni, S.T., M.T.	
Lecturer	Muhammad Hilman Fatoni, S.T., M.T. Dr. Achmad Arifin, S.T., M.Eng. Dr. Rachmad Setiawan, S.T. M.T. Dr. Norma Hermawan, S.T., M.T. Ellya Zulaikha, ST, M.Sn, Ph.D	
Language	Bahasa Indonesia and English	
Relation to curriculum	Undergraduate degree program, mandatory , 6 th semester.	
Type of teaching, contact hours	Lectures, <60 students	
Workload	1. Lectures : 4 x 50 = 200 minutes per week. 2. Exercises and Assignments : 4 x 50 = 200 minutes per week. 3. Private learning : 4 x 50 = 200 minutes per week.	
Credit points	4 credit points (sks)	
Requirements according to the examination regulations	A student must have attended at least 75% of the lectures to sit in the exams.	
Mandatory prerequisites	-	
Learning outcomes and their corresponding PLOs	<p>Course Learning Outcome (CLO) after completing this module,</p> <p>CLO 1: Students are able to conduct an analysis of literature review relating to biomedical engineering discipline</p> <p>CLO 2: Students are able to conduct initial draft of the proposed project based on literature review</p> <p>CLO 3: Students are able to make improvements and correction from the draft project proposal that has been made</p>	

	<p>CLO 4: Students are able to understand entrepreneurship principal in designing project proposals</p> <p>CLO 5: Students are able to explain the final results of the proposed project designed</p>	
Content	<p>This course studies about capstone design which are planned in form of forms completion in order to make student able to design project. The plans are started from literature review, proposal formulation, analyzing from bussiness side, and listing the competents which are needed to complete the project.</p>	
Study and examination requirements and forms of examination	<ul style="list-style-type: none"> • In-class exercises • Assignment 1, 2, 3,4 	
Media employed	<p>LCD, whiteboard, websites (myITS Classroom), Zoom.</p>	
Reading list	<p>Main :</p> <ol style="list-style-type: none"> 1. IEEE Neurophysiology Journal 2. IEEE Biomechanics Journal 	

I. Rencana Pembelajaran Semester / *Semester Learning Plan*

		INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS) FACULTY OF INTELLIGENT ELECTRICAL AND INFORMATICS TECHNOLOGY DEPARTMENT OF BIOMEDICAL ENGINEERING				Document Code	
		SEMESTER LEARNING PLAN					
MATA KULIAH (MK) <i>COURSE</i>		KODE <i>CODE</i>	Rumpun MK <i>Course Cluster</i>	BOBOT (sks) <i>Credits</i>		SEMESTER	Tgl Penyusunan <i>Compilation Date</i>
Project Design <i>Project Design</i>		EB234603	Biocybernetics	T=4	P=0	VI	Nov 9, 2022
OTORISASI / PENGESAHAN <i>AUTHORIZATION / ENDORSEMENT</i>		Dosen Pengembang RPS <i>Developer Lecturer of Semester Learning Plan</i>		Koordinator RMK <i>Course Cluster Coordinator</i>		Ka DEPARTEMEN <i>Head of Department</i>	
		(Dr. Norma Hermawan, S.T., M.Sc.)		(Ir. Josaphat Pramudijanto, M.Eng.)		(Dr. Achmad Arifin, S.T., M.Eng.)	
Capaian Pembelajaran		CPL-PRODI yang dibebankan pada MK <i>PLO Program Charged to The Course</i>					
Learning Outcomes		CPL-04 <i>PLO-04</i>	Mampu berkomunikasi secara efektif baik lisan maupun tulisan <i>Have good skills in oral and writing communications</i>				
		CPL-07 <i>PLO-07</i>	Mampu merencanakan, menyelesaikan, dan mengevaluasi tugas di dalam batasan-batasan yang ada <i>Able to plan, complete, and evaluate tasks within existing boundaries</i>				
		CPL-11 <i>PLO-11</i>	Mampu memahami kebutuhan akan pembelajaran sepanjang hayat <i>Able to understand the need for lifelong learning</i>				
		Capaian Pembelajaran Mata Kuliah (CPMK) <i>Course Learning Outcome (CLO) - If CLO as description capability of each Learning Stage in the course, then CLO = LLO</i>					
		CP MK 1	Mahasiswa mampu melakukan analisa dari review literatur yang berkaitan dengan disiplin ilmu Teknik Biomedik				

	CLO 1	<i>Students are able to conduct an analysis of literature-review relating to biomedical engineering discipline</i>																																																																																																					
	CP MK 2 CLO 2	Mahasiswa mampu menuliskan daftar awal terkait kompetensi yang dibutuhkan pada proyek yang akan di usulkan <i>Students are able to write initial list of competences which are needed in proposed project</i>																																																																																																					
	CP MK 3 CLO 3	Mahasiswa mampu melakukan rancangan awal usulan proyek berdasarkan review literatur <i>Students are able to conduct initial draft of the proposed project based on literature review</i>																																																																																																					
	CP MK 4 CLO 4	Mahasiswa memahami prinsip entrepreneurship dalam melakukan perancangan dan pemaparan usulan proyek dengan tujuan menawarkan proyek yang diusulkan <i>Students are able to understand entrepreneurship principal in designing and presentating the proposed project with the aim to offer the proposed project</i>																																																																																																					
	CP MK 5 CLO 5	Mahasiswa mampu melakukan perbaikan dan koreksi dari rancangan usulan proyek yang sudah dibuat (pembahasan rancangan usulan proyek dari Form A-D) <i>Students are able to make improvements and correction from the draft project proposal that has been made (discussion of the proposed project design from Form A-D)</i>																																																																																																					
	CP MK 6 CLO 6	Mahasiswa mampu memaparkan hasil akhir dari usulan proyek yang dirancang <i>Students are able to explain the final results of the proposed project design.</i>																																																																																																					
	Peta CPL – CP MK Map of PLO - CLO	<table border="1"> <thead> <tr> <th></th> <th>CPL-01</th> <th>CPL-02</th> <th>CPL-03</th> <th>CPL-04</th> <th>CPL-05</th> <th>CPL-06</th> <th>CPL-07</th> <th>CPL-08</th> <th>CPL-09</th> <th>CPL-10</th> <th>CPL-11</th> <th>CPL-12</th> </tr> </thead> <tbody> <tr> <td>CPMK 1 / SUB CPMK 1 <i>CLO 1 / LLO 1</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK 2 / SUB CPMK 2 <i>CLO 2 / LLO 2</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK 3 / SUB CPMK 3 <i>CLO 3 / LLO 3</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK 4 / SUB CPMK 4 <i>CLO 4 / LLO 4</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> </tr> <tr> <td>CPMK 5 / SUB CPMK 5 <i>CLO 5 / LLO 5</i></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CPMK 6 / SUB CPMK 6 <i>CLO 6 / LLO 6</i></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>													CPL-01	CPL-02	CPL-03	CPL-04	CPL-05	CPL-06	CPL-07	CPL-08	CPL-09	CPL-10	CPL-11	CPL-12	CPMK 1 / SUB CPMK 1 <i>CLO 1 / LLO 1</i>							√						CPMK 2 / SUB CPMK 2 <i>CLO 2 / LLO 2</i>							√						CPMK 3 / SUB CPMK 3 <i>CLO 3 / LLO 3</i>							√						CPMK 4 / SUB CPMK 4 <i>CLO 4 / LLO 4</i>											√		CPMK 5 / SUB CPMK 5 <i>CLO 5 / LLO 5</i>				√									CPMK 6 / SUB CPMK 6 <i>CLO 6 / LLO 6</i>				√							
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Diskripsi Singkat MK	Mata kuliah ini mempelajari tentang <i>capstone design</i> yang dirancang dalam bentuk penyelesaian form-form yang bertujuan agar mahasiswa mampu merancang suatu project dimulai dari literature review, membuat proposal, menganalisa dari segi bisnis, dan mendaftar kompetensi apa saja yang dibutuhkan untuk menyelesaikan project tersebut.																			
Short Description of Course	<i>This course studies about capstone design which are planned in form of forms completion in order to make student able to design project. The plans are started from literature review, proposal formulation, analyzing from bussiness side, and listing the competents which are needed to complete the project.</i>																			
Bahan Kajian: Materi pembelajaran Course Materials:	<ol style="list-style-type: none"> 1. Literatur review (sesuai dengan spesialisasi setiap mahasiswa) dalam bentuk jurnal, book chapter /<i>Literature review (in accordance with the specialization of each student) in the form of journal, book chapter</i> 2. Rancangan usulan proyek/<i>Proposed project design</i> 3. Pembahasan rancangan usulan proyek/<i>Discussion of the proposed project design</i> 4. Entrepreneurship/<i>Entrepreneurship</i> 5. Paparan final proyek disain /<i>Presentation of the final project design</i> 																			
Pustaka References	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e0e0e0;">Utama / Main:</td> <td colspan="4"></td> </tr> <tr> <td></td> <td colspan="4"> <ol style="list-style-type: none"> 1. <i>IEEE Neurophysiology Journal</i> 2. <i>IEEE Biomechanics Journal</i> </td> </tr> <tr> <td style="background-color: #e0e0e0;">Pendukung / Supporting:</td> <td colspan="4"></td> </tr> </table>					Utama / Main:						<ol style="list-style-type: none"> 1. <i>IEEE Neurophysiology Journal</i> 2. <i>IEEE Biomechanics Journal</i> 				Pendukung / Supporting:				
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Pendukung / Supporting:																				
Dosen Pengampu Lecturers	Muhammad Hilman Fatoni, Achmad Arifin, Rachmad Setiawan, Atar Fuady Babgei, Ellya Zulaikha																			
Matakuliah syarat Prerequisite	-																			
Mg ke/ Week	Kemampuan akhir tiap tahapan belajar (Sub-CPMK) /	Penilaian / Assessment	Bantuk Pembelajaran; Metode Pembelajaran; Penugasan Mahasiswa;	Materi Pembelajaran [Pustaka] /	Bobot Penilaian															

	<i>Final ability of each learning stage (LLO)</i>	<i>Indikator / Indicator</i>	<i>Kriteria & Teknik / Criteria & Techniques</i>	<i>[Estimasi Waktu] / Form of Learning; Learning Method; Student Assignment; [Estimated Time]</i>		<i>Learning Material [Reference]</i>	<i>/Assessment Load (%)</i>
(1)	(2)	(3)	(4)	<i>Tatap Muka / In-class (5)</i>	<i>Daring / Online (6)</i>	(7)	(8)
1-3	<p>Mahasiswa mampu melakukan analisa dari review literatur yang berkaitan dengan disiplin ilmu Teknik Biomedik. (literatur review (sesuai dengan spesialisasi setiap mahasiswa) dalam bentuk jurnal, book chapter)</p> <p><i>Students are able to conduct an analysis of literature-review relating to biomedical engineering discipline (in accordance with the specialization of each students) in form of journal, book chapter</i></p>	<ul style="list-style-type: none"> Mampu melakukan analisa dari review literatur yang berkaitan dengan disiplin ilmu Teknik Biomedik (Literatur review (sesuai dengan spesialisasi setiap mahasiswa) dalam bentuk jurnal, book chapter) <i>Able to conduct an analysis of literature-review relating to biomedical engineering discipline (in accordance with the specialization of each students) in form of journal, book chapter</i> 	<p>Non-tes : Tugas 1: Melakukan resume dan analisa dari literatur yang dipilih sebagai dasar usulan proyek disain (Form A)</p> <p>Non-test : Assignment 1: Make a resume and analysis of the selected literature as the basis for the proposed project design (Form A)</p>	<ul style="list-style-type: none"> Kuliah dan brainstorming, tanya jawab. [TM : 3 x 50"] [BM : 3 x 50"] [PT : 3 x 50"] <i>Presentation and brainstorming, ask and answer. [FF : 3 x 50"] [SA : 3 x 50"] [SS : 3 x 50"]</i> 	<ul style="list-style-type: none"> Chatting dan diskusi dalam forum platform ITS. <i>Chat and discussion in ITS platform forum.</i> 	<ul style="list-style-type: none"> Pemilihan dan analisis jurnal maupun book chapter sesuai dengan spesialisasi mahasiswa yang menjadi dasar usulan proyek. <i>Choosing and analyzing journal or book chapter in accordance with the specialization of each students on which the project proposal is based</i> 	25

4	<p>Mahasiswa mampu menuliskan daftar awal terkait kompetensi yang dibutuhkan pada proyek yang akan di usulkan</p> <p><i>Students are able to write initial list of competences which are needed in proposed project</i></p>	<ul style="list-style-type: none"> • Mampu menuliskan daftar awal terkait kompetensi yang dibutuhkan pada proyek yang akan di usulkan • <i>Able to write initial list of competences which are needed in proposed project</i> 	<p>Non-tes : Menuliskan daftar awal terkait kompetensi yang dibutuhkan dari proyek yang akan diusulkan (Form D)</p> <p>Tugas :</p> <p>Non-test : <i>Write initial list of competences which are needed in proposed project (Form D)</i></p> <p>Assignment :</p>	<ul style="list-style-type: none"> • Kuliah, diskusi, tanya jawab, latihan soal, tugas. [TM : 1 x 50"] [BM : 1 x 50"] [PT : 1 x 50"] • <i>Presentation, discussion, ask and answer, exercise, assignment</i> [FF : 1 x 50"] [SA : 1 x 50"] [SS : 1 x 50"] 		<ul style="list-style-type: none"> • Penulisan daftar awal terkait kompetensi yang dibutuhkan pada proyek yang akan di usulkan. • <i>Writing the initial list of competences which are needed in proposed project</i> 	
5-6	<p>Mahasiswa mampu melakukan rancangan awal usulan proyek berdasarkan review literatur (rancangan usulan proyek)</p> <p><i>Students are able to conduct initial draft of the proposed project based on literature</i></p>	<ul style="list-style-type: none"> • Mampu melakukan rancangan awal usulan proyek berdasarkan review literatur (rancangan usulan proyek) • <i>Able to conduct intial draft of the proposed project based on literature review (the</i> 	<p>Non-tes :</p> <p>Tugas 2:</p> <p>Melakukan perancangan awal usulan proyek (Form B) berdasarkan review literatur.</p>	<ul style="list-style-type: none"> • Kuliah, diskusi, tanya jawab, latihan soal, tugas. [TM : 2 x 50"] [BM : 2 x 50"] [PT : 2 x 50"] • <i>Presentation, discussion, ask and answer,</i> 		<ul style="list-style-type: none"> • Penulisan rancangan usulan proyek oleh mahasiswa dengan dasar dari literatur review. • <i>Writing the proposed project design by students</i> 	25


	<i>review (the proposed project design)</i>	<i>proposed project design)</i>	Non-test : Assignment 2: <i>Conduct initial draft of proposed project (Form B) based on literature review</i>	<i>exercise, assignment [FF : 2 x 50"] [SA : 2 x 50"] [SS : 2 x 50"]</i>		<i>based on review literature</i>	
7-9	<p>Mahasiswa memahami prinsip entrepreneurship dalam melakukan perancangan dan pemaparan usulan proyek dengan tujuan menawarkan proyek yang diusulkan</p> <p><i>Students are able to understand entrepreneurship principal in designing and presentating the proposed project with the aim to offer the proposed project</i></p>	<ul style="list-style-type: none"> • Memahami prinsip entrepreneurship dalam melakukan perancangan dan pemaparan usulan proyek dengan tujuan menawarkan proyek yang diusulkan • <i>Able to understand entrepreneurship principal in designing and presentating the proposed project with the aim to offer the proposed project.</i> 	Non-tes : Tugas 3: Membuat usulan project design dengan konsep bisnis (Form C) dengan menggunakan Bussiness Model Canvars Non-test : Assignment 4: <i>Make a proposed project design with bussiness concept (Form C) in mind</i>	<ul style="list-style-type: none"> • Kuliah, Diskusi, tanya jawab, latihan soal, tugas. [TM : 3 x 50"] [BM : 3 x 50"] [PT : 3 x 50"] • <i>Presentation, discussion, ask and answer, exercise, assignment.</i> [FF : 3 x 50"] [SA : 3 x 50"] [SS : 3 x 50"] 		<ul style="list-style-type: none"> • Panelis dosen, mahasiswa, dan dosen tamu dengan pembahasan rancangan usulan proyek dan pemberian masukan oleh dosen. • Panelists between lecturers, students, and guest lecturers to discuss the proposed project design and lecturer will 	25

			<i>using Business Model Canvas</i>			providing input to proposed project.	
10-12	<p>Mahasiswa mampu melakukan perbaikan dan koreksi dari rancangan usulan proyek yang sudah dibuat (pembahasan rancangan usulan proyek dari Form A-D)</p> <p><i>Students are able to make improvements and correction from the draft project proposal that has been made (discussion of the proposed project design from Form A-D)</i></p>	<ul style="list-style-type: none"> Mampu melakukan perbaikan dan koreksi dari rancangan usulan proyek yang sudah dibuat (pembahasan rancangan usulan proyek dari Form A-D) <i>Able to make improvements and correction from the draft project proposal that has been made (discussion of the proposed project design from Form A-D)</i> 	<p>Non-tes : Melakukan diskusi panelis dan pemaparan progress dengan dosen</p> <p>Tugas :</p> <p>Non-test : Conduct panelist discussion and progress presentation with lecturer</p> <p>Assignment :</p>	<ul style="list-style-type: none"> Kuliah, diskusi, tanya jawab, latihan soal, tugas [TM : 3 x 50"] [BM : 3 x 50"] [PT : 3 x 50"] <i>Presentation, discussion, ask and answer, exercise, assignment</i> [FF : 3 x 50"] [SA : 3 x 50"] [SS : 3 x 50"] 		<ul style="list-style-type: none"> Panelis dosen dan mahasiswa dengan pembahasan rancangan usulan proyek dan pemberian masukan oleh dosen. <i>A lecturer and student panel that discusses the project proposal draft that includes a feedback session from lecturers.</i> 	
13-16	<p>Mahasiswa mampu memaparkan hasil akhir dari usulan proyek yang dirancang</p> <p><i>Students are able to explain the final results of the proposed project design.</i></p>	<ul style="list-style-type: none"> Mampu memaparkan hasil akhir dari usulan proyek yang dirancang <i>Able to explain the final results of the proposed project design</i> 	<p>Non tes: Tugas 4: Melakukan pemaparan tentang hasil akhir dari <i>project design</i> yang dirancang (Form A – D)</p>	<ul style="list-style-type: none"> Kuliah, Diskusi, tanya jawab, latihan soal, tugas. [TM : 4 x 50"] [BM : 4 x 50"] [PT : 4 x 50"] 		<ul style="list-style-type: none"> Mahasiswa melakukan paparan terhadap dosen terkait usulan final dari proyek yang dirancang. 	25

			<p>Non-test: Assignment 4:</p> <p><i>Conduct a presentation regarding the final results of the project design (Form A – D)</i></p>	<ul style="list-style-type: none"> <i>Presentation, discussion, ask and answer, exercise, assignment.</i> <p><i>[FF : 4 x 50"]</i> <i>[SA : 4 x 50"]</i> <i>[SS : 4 x 50"]</i></p>		<ul style="list-style-type: none"> <i>Students are able to explain to lecturers regarding final draft of project design</i> 	
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TM=Tatap Muka, **PT**=Penugasan Terstruktur, **BM**=Belajar Mandiri.
FF = Face to Face, **SA** = Structured Assignment, **SS** = Self Study.

II. Rencana Asesmen & Evaluasi (RAE) / *Assessment & Evaluation Plan*

	ASSESSMENT & EVALUATION PLAN BACHELOR DEGREE PROGRAM OF BIOMEDICAL ENGINEERING - FTEIC ITS Course : Project Design		RA&E
			Write Doc Code
Kode/code: EB234603	Bobot sks/credits (T/P): 4/0	Rumpun MK: Biocybernetics Course Cluster: Biocybernetics	Smt: VI
OTORISASI AUTHORIZATION	Penyusun RA & E Compiler A&EP Dr. Norma Hermawan, S.T., M.Sc.	Koordinator RMK Course Cluster Coordinator Ir. Josaphat Pramudijanto, M.Eng.	Ka DEP Head of DEP Dr. Achmad Arifin, S.T., M.Eng.

Mg ke/ Week (1)	Sub CP-MK / <i>Lesson Learning Outcomes (LLO)</i> (2)	Bentuk Asesmen (Penilaian) <i>Form of Assessment</i> (3)	Bobot / Load (%) (4)
1 -3	Sub CP-MK 1: Mahasiswa mampu melakukan analisa dari review literatur yang berkaitan dengan disiplin ilmu Teknik Biomedik. (literatur review (sesuai dengan spesialisasi setiap mahasiswa) dalam bentuk jurnal, book chapter) LLO 1: <i>Students are able to conduct an analysis of literature-review relating to biomedical engineering discipline (in accordance with the specialization of each students) in form of journal, book chapter</i>	Non-tes : Tugas 1: Melakukan resume dan analisa dari literatur yang dipilih sebagai dasar usulan proyek disain (Form A) Non-test : Assignment 1: <i>Make a resume and analysis of the selected literature as the basis for the proposed project design (Form A)</i>	25
4	Sub CP-MK 2:	Non-tes :	

Mg ke/ Week (1)	Sub CP-MK / Lesson Learning Outcomes (LLO) (2)	Bentuk Asesmen (Penilaian) Form of Assessment (3)	Bobot / Load (%) (4)
	<p>Mahasiswa mampu menuliskan daftar awal terkait kompetensi yang dibutuhkan pada proyek yang akan di usulkan</p> <p>LLO 2: <i>Students are able to write initial list of competences which are needed in proposed project</i></p>	<p>Menuliskan daftar awal terkait kompetensi yang dibutuhkan dari proyek yang akan diusulkan (Form D)</p> <p>Tugas : Non-test : <i>Write initial list of competences which are needed in proposed project (Form D)</i></p> <p>Assignment :</p>	
5-6	<p>Sub CP-MK 3: Mahasiswa mampu melakukan rancangan awal usulan proyek berdasarkan review literatur (rancangan usulan proyek)</p> <p>LLO 3: <i>Students are able to conduct initial draft of the proposed project based on literature review (the proposed project design)</i></p>	<p>Non-tes : Tugas 2: Melakukan perancangan awal usulan proyek (Form B) berdasarkan review literatur.</p> <p>Non-test : Assignment 2:</p> <ul style="list-style-type: none"> - <i>Conduct initial draft of proposed project (Form B) based on literature review</i> 	25
7-9	<p>Sub CP-MK 4: Mahasiswa memahami prinsip entrepreneurship dalam melakukan perancangan dan pemaparan usulan proyek dengan tujuan menawarkan</p>	<p>Non-tes : Tugas 3: Membuat usulan project design dengan konsep bisnis (Form C) dengan menggunakan Bussiness Model Canvars</p> <p>Non-test : Assignment 4:</p>	25

Mg ke/ Week (1)	Sub CP-MK / Lesson Learning Outcomes (LLO) (2)	Bentuk Asesmen (Penilaian) Form of Assessment (3)	Bobot / Load (%) (4)
	<p>proyek yang diusulkan</p> <p>LLO 4: <i>Students are able to understand entrepreneurship principal in designing and presentating the proposed project with the aim to offer the proposed project</i></p>	<p>- <i>Make a proposed project design with bussiness concept (Form C) in mind using Bussiness Model Canvas</i></p>	
10-12	<p>Sub CP-MK 5: Mahasiswa mampu melakukan perbaikan dan koreksi dari rancangan usulan proyek yang sudah dibuat (pembahasan rancangan usulan proyek dari Form A-D)</p> <p>LLO 5: <i>Students are able to make improvements and correction from the draft project proposal that has been made (discussion of the proposed project design from Form A-D)</i></p>	<p>Non-tes : Melakukan diskusi panelis dan pemaparan progress dengan dosen</p> <p>Tugas :</p> <p>Non-test : Conduct panelist discussion and progress presentation with lecturer</p> <p>Assignment :</p>	
13-16	<p>Sub CP-MK 6: Mahasiswa mampu memaparkan hasil akhir dari usulan proyek yang dirancang</p>	<p>Non tes:</p> <p>Tugas 4: Melakukan pemaparan tentang hasil akhir dari <i>project design</i> yang dirancang (Form A – D)</p> <p>Non-test:</p>	25

Mg ke/ Week (1)	Sub CP-MK / Lesson Learning Outcomes (LLO) (2)	Bentuk Asesmen (Penilaian) Form of Assessment (3)	Bobot / Load (%) (4)
	LLO 5: <i>Students are able to explain the final results of the proposed project design.</i>	Assignment 4: <i>Conduct a presentation regarding the final results of the project design (Form A – D)</i>	
Total bobot penilaian Total assessment load			100%

Indikator Pencapaian CPL Pada MK / *Indicator of PLO achievement charged to the course*

CPL yang dibebankan pada MK / <i>PLO charged to the course</i>	CPMK / <i>Course Learning Outcome (CLO)</i>	Minggu ke / <i>Week</i>	Bentuk Asesmen / <i>Form of Assessment</i>	Bobot / <i>Load (%)</i>
CPL-04 / <i>PLO-04</i>	CPMK 5 / <i>CLO 5</i>	<i>Week- 10-12</i>	<i>Non-test</i>	
	CPMK 6 / <i>CLO 6</i>	<i>Week- 13-16</i>	<i>Assignment 4</i>	25
CPL-07 / <i>PLO-07</i>	CPMK 1 / <i>CLO 1</i>	<i>Week- 1-3</i>	<i>Assignment 1</i>	25
	CPMK 2 / <i>CLO 2</i>	<i>Week- 4</i>	<i>Non-test</i>	
	CPMK 3 / <i>CLO 3</i>	<i>Week- 5-6</i>	<i>Assignment 2</i>	25
CPL-11 / <i>PLO-11</i>	CPMK 4 / <i>CLO 4</i>	<i>Week- 7-9</i>	<i>Assignment 3</i>	25
				Σ = 100%

No	<i>Form of Assessment</i>	<i>PLO-01</i>	<i>PLO-02</i>	<i>PLO-03</i>	<i>PLO-04</i>	<i>PLO-05</i>	<i>PLO-06</i>	<i>PLO-07</i>	<i>PLO-08</i>	<i>PLO-09</i>	<i>PLO-10</i>	<i>PLO-11</i>	<i>PLO-12</i>	<i>Total</i>
1	<i>Assignment 1</i>							0.25						0.25
2	<i>Assignment 2</i>							0.25						0.25
3	<i>Assignment 3</i>											0.25		0.2
4	<i>Assignment 4</i>				0.25									0.15
	<i>Total</i>				0.25			0.5				0.25		1

