TEACHING PLAN

BACHELOR OF EDUCATION IN BUILDING ENGINEERING (BE-BE) STUDY PROGRAM

DEPARTMENT OF CIVIL ENGINEERING, FACULTY OF ENGINEERING, UNIVERSITAS NEGERI PADANG

COURSE	CODE	COURSE CLUSTER	CREDITS		SEM	VERSION
			Theory	Practice		
SPECIAL TEACHING METHODS	SIP1.61.6201	MKK	1	2	6	

Lecturer in Charge		Lecturer in Charge
	Prof. Dr. M.Giatman, MSIE NIP.. 19590121 198503 1002	

Remarks	Dean of Faculty of Engineering	Head of Civil Engineering Department	Coordinator of BEVE
	Dr. Fahmi Rizal, M.Pd., M.T NIP. 195912041985031004	Faisal Ashar, Ph.D. NIP. 19750103 200312 1001	Drs. Revian Body, MSA. NIP. 19600103 198503 1003

Program Learning Outcomes	Program Learning Outcomes (PLO) Study Program
	By considering input from all stake holders and the minimum requirements set by ASIIN, the PLOs that must be possessed by graduates from the Bachelor of Education in Building Engineering Study Program are determined as follows: 1. Master *basic knowledge of science* (mathematics, natural sciences) and other scientific disciplines that form the basis of building engineering vocational education field for carrying out professional work *(Knowledge and Understanding).* 1.1. Able to implement basic concepts of mathematics and physics to master subjects matter in the field of building engineering vocational education.

	1.2. Mastering Statics, Mechanics, Statistics, Technology Materials, and Engineering Drawings as the basic knowledge in the field of building engineering vocational education. 2. Able to identify, formulate, solve, and evaluate various technical problems of buildings as the basic ability for teaching in the field of building engineering vocational education *(Engineering analysis, investigation and assessment)* . 2.1. Able to identify, formulate, solve, and evaluate technical problems in the field of geotechnical and transportation as the basic ability for teaching in the field of building engineering vocational education. 2.2. Able to identify, formulate, solve, and evaluate technical problems in the field of structure and construction management as the basic ability for teaching in the field of building engineering vocational education. 2.3. Able to identify, formulate, solve, and evaluate technical problems in the field of hydrology as the basic ability for teaching in the field of building engineering vocational education. 3. Possess the ability to design building by taking into account environmental, social, health and work safety issues as the basis for teaching in the field of building engineering vocational education (Engineering design). 3.1. Able to make design programming by taking into account environmental, social, health and work safety issues, in cooperation with various party related. 3.2. Able to analyze the design by taking into account environmental, social, health and work safety aspects. 3.3. Able to produce design by taking into account environmental, social, health and work safety aspects. 4. Possess social, managerial, team work, and effective communication competencies, entrepreneurial character, environmental insight and life-long learning habits. *(Transferable and soft skills)*. 4.1. Possess religious character implemented in personal and professional activities. 4.2. Possess the spirit of nationalism, social sensitivity and environmental insight 4.3. Able to communicate effectively and work in a team. 4.4. Able to transfer science and technology to the community to improve the quality of life

	4.5. Possess entrepreneurial character 5. Possess the ability to innovate and adapt to the development of science and technology, and implement it into the learning process of building engineering vocational education field by taking into account non-technical risks that may occur (ethical, ecological, commercial, and industrial impact) *(Engineering practice).* 5.1. Able to innovate and use information technology (software) in the field of building engineering vocational education by taking into account the ethical, ecological, commercial and industrial impact. 5.2. Able to use information technology-based equipment (hardware) in field of building engineering vocational education. 6. Possess a good ability to design, implement and evaluate the learning process in the field of building engineering vocational education *(Educational design).* 6.1. Able to design curriculum and learning process of building engineering vocational education. 6.2. Able to implement, control, evaluate and improve the quality of learning process through research in the field of building engineering vocational education. 6.3. Able to develop an effective, efficient, and attractive learning media in the field of building engineering vocational education.
Course Learning	**Course Learning Outcomes (CLO)**

<table>
<tr><td>Outcomes</td><td>
<table>
<tr><th>CPMK</th><th>Cpl</th></tr>
<tr><td>1. Students are ableto design shopperin the field of building engineering in accordance with learning standards in the 2013 curriculum</td><td rowspan="5">4.1
4.2
4.3
6.1
6.3</td></tr>
<tr><td>2. Students are able to make and implement learning preparation for certain subjects in accordance with K13 guidelines both theory and praktek</td></tr>
<tr><td>3. Students are able to design and prepare learning assessments in accordance with the subjects that are standardized with K13 in vocational schools</td></tr>
<tr><td>4. Students are able to do teaching in the classroom and in workshops in accordance with building engineering materials</td></tr>
<tr><td></td></tr>
<tr><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>Course Description</td><td>This course provides knowledge about basic teaching skills, especially vocational learning, learning design (models, strategies, methods and approaches), instructional media(syllabus/ RPS, RPP, and Teaching materials), followed by the ability to teach and manage classes micro, both in theory class and in practice classes (workshops, as well as teaching skills using information technology devices.</td></tr>
<tr><td>Literature</td><td>Main:
1. Paul Eggen, Don Kauchak, 2012. Strategy and Models for Teachers. Content and Thinking Skills, Sixth Edition. Pearson Education. Inc. Boston.
Supporting:
1. AtwiSuparman. 1995. Desain Instruksional. Jakarta: PusatAntarUniversitas.
2. Direktorat Jenderal Guru dan Tenaga Kependidikan.2018.Modul Manajemen Implementasi Kurikulum 2013 : Jenjang SMK
3. B.R. Hergenhahn, Matthew H.olson. 2998. Theories of Learning. Seven edition. Pearson Education Inc. Boston
4. Putu Sudira. 2016. TVET ABAD XXI, Filosofi, Teori, Konsep, dan Strategi Pembelajaran Vokasional.</td></tr>
<tr><td>Teaching Media</td><td>Software: | Hardware:
 | Computer, LCD Projector and White Board, model and prototype.</td></tr>
<tr><td>Team Teaching</td><td></td></tr>
<tr><td>Assessment</td><td>UAS, Individual Assignment, Micro-teaching</td></tr>
<tr><td>Prerequisite</td><td>Vocational pedagodi</td></tr>
</table>

LEARNING MATERIALS

Week	Competencies to be achieved	Study Materials	Learning Methods and Strategies	Tasks / assignments	Week	Competencies to be achieved
(1)	(CPMK-1.1 CPL4.1) Understanding lecture contracts and semester learning plans (RPS)	Lecture contracts, and introduction to RPS special teaching methods	Material explanation **[1x120']** FAQ **[1x60']** assignment **[1x60']**	Studying/reviewing the concept of curriculum 2013 for vocational schools	Able to explain the concept of curriculum 2013 for vocational schools	RU-1 and RP-2.3
(2)	(CPMK-1.2 CPL4.1) Identify and differentiate basic teaching skills	Basic teaching skills	Self-study **[1x60']**, groupdiscussion **[1x120'],** assignment**[1x60']**	Learn basic teaching skills materials	Able to explain aspects of teaching skills	RU-1 and RP-2
(3)	(CPMK-2.1 CPL4. 2) Infer various learning models, strategies, methods, and approaches.	Learning models, strategies, methods, and approaches. (*lesson design*)	Self-study **[1x60']**, groupdiscussion **[1x120'],** assignment**[1x60']**	Learn learning design concepts	Able to explain the concept of learning design well	RU-1 and RP-1, 2
(4)	(CPMK-3.1 CPL4.1,6.1) Understand the concept of instructional media syllabus, RPP, teaching materials.	Instructional media 1. Syllabus/RPS 2. Rpp 3. Teaching Materials	Self-study **[1x60']**, groupdiscussion **[1x120'],** assignment**[1x60']**	Preparing instructional media consisting of RPS, RPP, and teaching materials	***RPS, RPP, and Teaching Materials***	RU-1 and RP-1,3
(5)	(CPMK-4.1 CPL4. 2, 6.3) Teaching and managing classes	Teaching theory from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[4x1x40'],** and discussion **[4x1x15']**	Carrying out teaching assignments in the classroom	8 teaching skills	RU-1 and RP-3
(6)	Teaching and managing classes	Teaching theory from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[4x1x40'],** and discussion **[4x1x15']**	Carrying out teaching assignments in the classroom	8 teaching skills	RU-1 and RP-3
(7)	Teaching and	Teaching theory from	Class preparation **[1x20']**	Carrying out teaching	8 teaching skills	RU-1 and

Week	Competencies to be achieved	Study Materials	Learning Methods and Strategies	Tasks / assignments	Week	Competencies to be achieved
	managing classes	students (4 persons per meeting)	Micro-teaching **[4x1x40'],** and discussion **[4x1x15']**	assignments in the classroom		RP-3
(8)	Teaching and managing classes	Teaching theory from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[4x1x40'],** and discussion **[4x1x15']**	Carrying out teaching assignments in the classroom	8 teaching skills	RU-1 and RP-3
(9)	**Midterm Evaluation through Midterm Exams**					
(10)	(CPMK-4.2 CPL4. 2, 6.3) Teaching and managing in workshops	Practical teaching from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[4x1x40'],** and discussion **[4x1x15']**	Carrying out teaching tasks in the workshop	8 teaching skills + Safety and supervision	RU-1 and RP-3.4
(11)	Teaching and managing in workshops	Practical teaching from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[4x1x40'],** and discussion **[4x1x15']**	Carrying out teaching tasks in the workshop	8 teaching skills + Safety and supervision	RU-1 and RP-3, 4
(12)	Teaching and managing in workshops	Practical teaching from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[4x1x40'],** and discussion **[4x1x15']**	Carrying out teaching tasks in the workshop	8 teaching skills + Safety and supervision	RU-1 and RP-3, 4
(13)	Teaching and managing in workshops	Practical teaching from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[4x1x40'],** and discussion **[4x1x15']**	Carrying out teaching tasks in the workshop	8 teaching skills + Safety and supervision	RU-1 and RP-3, 4
(14)	(CPMK-4.3 CPL4. 3, 6.1) Teaching and managing learning using IT	Teaching using IT from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[6x1x30'**], and discussion **[4x1x10']**	Implementing learning using IT	Effectiveness of IT use in the teaching process	RU-1 and RP-2.3, 4
(15)	Teaching and managing learning using IT	Teaching using IT from students (4 persons per meeting)	Class preparation **[1x20']** Micro-teaching **[4x1x30'],** and discussion **[4x1x10']**	Implementing learning using IT	Effectiveness of IT use in the teaching process	RU-1 and RP-2.3, 4
(16)	(CPMK-3.2 CPL4. 3, 6.1)	Conducting analysis and evaluation of Micro	Discussions **[1x120']** Recommendations	End note	Effectiveness and efficiency of the	RU-1 and RP-1,2.3

Week	Competencies to be achieved	Study Materials	Learning Methods and Strategies	Tasks / assignments	Week	Competencies to be achieved
	Evaluation and learning recommendations	teaching learning practices in classrooms and workshops	**[1x60']** close statement Lecturer **[1x60']**		process	
(17)	**Final Semester Evaluation (Evaluation intended to determine the final achievement of student learning outcomes)**					

Notes:

Correlation between CLO, PLO and Assessment Methods

	Assignments.1 Assignments.2	Bobot (%)	CPL-1			CPL-2				CPL-3				CPL-4			CPL-5			CPL-6		
			1	2	3	1	2	3	4	1	2	3	4	1	2	3	1	2	3	1	2	3
CPMK-1.1	Assignments.3	5																				
CPMK-1.2	Assignments.4	5																				
CPMK-2.1	Domonstration	5																				
CPMK-3.1	Domonstration	5																				
CPMK-4.1	Domonstration	20																				
CPMK-4.2	Assignments.1	20																				
CPMK-4.3	Assignments.2	10																				
CPMK-3.2	UAS	20																				
Presence		10																				
TOTAL		100																				

Komponen Penilaian

Mid-Semester Exam	:..0 %
Final Exam	: 20 %
Assignment	: 20 %
Micro-teaching	: 50 %
Presence	: 10 %

Total : 100 %

Description of Assessment Level

	Excellent	**Good**	**Satisfy**	**Fail**
Description	Able to describe correctly and completely	Able to describe correctly but incompletely	Able to describe but less clear and incomplete	Unable to describe
Formulation	Able to formulate correctly and completely	Able to formulate correctly but incomplete	Able to formulate but less clear and incomplete	Unable to formulate
Calculation	Able to calculate correctly and completely	Able to calculate correctly but less complete	Able to calculate but less clear and less complete	Unable to calculate
Analysis	Able to analyze correctly and completely	Able to analyze correctly but less complete	Able to analyze but less clear and less complete	Unable to analyze
Domonstrasi	Able to demonstrate correctly and completely	Able to demonstrate correctly but incompletely	Able to demonstrate but less clear and incomplete	Unable to demonstrate

Assessment System

Score Range	**Grade Letter**	**Grade Point**	**Notes**	**Score Range**	**Grade Letter**	**Grade Point**	**Notes**
85 – 100	A	4.0	Exceptional	55 – 59	C	2.0	Quite Satisfactory
80 – 84	A-	3.6	Excellent	50 – 54	C-	1.6	Poor
75 – 79	B+	3.3	Very Good	40 – 49	D	1.0	Very Poor
70 – 74	B	3.0	Good	≤ 39	E	0.0	Fail
65 – 69	B-	2.6	Fairly Good	-	T	-	Delayed
60 – 64	C+	2.3	Satisfactory				

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS NEGERI PADANG
JURUSAN TEKNIK BANGUNAN
Alamat: Jl. Prof. Dr. Hamka, Kampus UNP Air Tawar, Padang 25131
Telp. (0751) 7055644, Fax (0751) 7055628, website: www.ft.unp.ac.id, e-mail: info@ft.unp.ac.id

FINAL SEMESTER EXAM QUESTIONS

Course : Special Teaching Method (MMK)
Code / SKS : SIP1.61.6201/3 credits
Test Nature : open
Lecturer:
Time :100 minutes
Maximum value weight:

№	Problem	Weights
1	Explain the meaning, function and benefits of learner preparation in each learning activity to be carried out, and what are the learning preparations?	20 %
2	Explain the types of teaching skills required in the theory learning in the classroom,and is there a difference with the teaching skills of practice (diworkshop) explain if any!	20 %
3	Explain the differences between models, strategies and methods in learning.	20 %
4	What learning model do you think is suitable for learning in building construction workshops, give alsannya.	20 %
5	What kind of assessment model is suitable in teaching skills in constructionworkshops, explain and give examples of instruments.	20 %

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS NEGERI PADANG
JURUSAN TEKNIK BANGUNAN
Alamat: Jl. Prof. Dr. Hamka, Kampus UNP Air Tawar, Padang 25131
Telp. (0751) 7055644, Fax (0751) 7055628, website: www.ft.unp.ac.id, e-mail: info@ft.unp.ac.id

TASK QUESTION -1

Courses : Special teaching methods
Code / SKS : SIP1.61.6201/3 credits
Nature of the Exam :
Lecturer :
Time :
Maximum Value Weight:

№	Problem	Weights
1	Finding, studying and reviewing syllabus,RPS and RPP one of the subjects of vocational school students that are being implemented in schools	
2	Studying permendikbud related to the implementation of curriculum 2013, especially vocational school	
3	Make notes and summaries of the results of the material review above.	

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS NEGERI PADANG
JURUSAN TEKNIK BANGUNAN
Alamat: Jl. Prof. Dr. Hamka, Kampus UNP Air Tawar, Padang 25131
Telp. (0751) 7055644, Fax (0751) 7055628, website: www.ft.unp.ac.id, e-mail: info@ft.unp.ac.id

TASK QUESTION -2

Courses : Special teaching methods
Code / SKS : SIP1.61.6201/3 credits
Nature of the Exam :
Lecturer :
Time :
Maximum Value Weight:

№	Problem	Weights
1	Finding, studying and reviewing various theories and concepts about learning methods and teaching skills	
2	Make notes and summaries of the results of the material review above.	