



TEACHING PLAN
BUILDING ENGINEERING VOCATIONAL EDUCATION (BEVE) STUDY PROGRAM
CIVIL ENGINEERING DEPARTMENT, 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	<u>Prof. Dr. M.Giatman, MSIE</u> NIP.. 19590121 198503 1002			Lecturer in Charge		
<u>Remarks</u>	Dean of Faculty of Engineering	Head of Civil Engineering Department	Coordinator of BEVE			
	<u>Dr. Fahmi Rizal, M.Pd., M.T</u> NIP. 195912041985031004	<u>Faisal Ashar, Ph.D.</u> NIP. 19750103 200312 1001	Drs. Revian Body, MSA. NIP. 19600103 198503 1003			
Program Learning Outcomes	Program Learning Outcomes (PLO) Study Program					
	1. Able to apply <i>basic science</i> (mathematics, natural sciences) and other multidisciplinary sciences that become the basis of the field of <i>Building Engineering Vocational Education</i> in carrying out professional work in their fields (<i>Knowledge and Understanding</i>). 1.1. Able to show good understanding and implement basic mathematical concepts to solve various problems in the field of building engineering. 1.2. Have a high understanding and can implement the basic concepts of physics and chemistry (<i>natural sciences</i>) in the field of building engineering. 1.3. Have a high understanding and can implement the basic principles of <i>basic</i>					

engineering (mechanics, engineering drawings, materials science) in the field of building engineering.

2. Able to think critically and creatively in identifying, formulating, *problem solving*, evaluating, **and communicating** various problems in the field of *Building Engineering Vocational Education* with the most appropriate and effective scientific methods (*Engineering analysis, investigations and assessment*).
 - 2.1. Able to identify various technical problems in the field of building engineering
 - 2.2. Able to analyze various technical problems in the field of building engineering
 - 2.3. Able to evaluate various technical problems in the field of buildings
 - 2.4. Able to communicate *Engineering Analysis, Investigation and Assessment materials* to students / training.
3. Have a reliable ability in the design, implementation, supervision and **communication** of building engineering work (*Engineering design*) **to related parties..**
 - 3.1. Able to realize the working picture in cooperation with various related parties.
 - 3.2. Able to manage building engineering work by paying attention to environmental, social, health, and safety aspects.
 - 3.3. Able to supervise the implementation of building engineering work
 - 3.4. Able to communicate *Engineering Design* materials to students.
4. Have a reliable ability in designing, implementing and evaluating the learning process in *Building Engineering Vocational Education (Education design)*.
 - 4.1. Able to design/ **develop** curriculum and learning process in the field of building engineering.
 - 4.2. Able to implement, control, evaluate and improve the quality of the learning process
 - 4.3. Able to develop effective, efficient, and interesting learning media.
5. Have the ability to adapt and innovate to the development of science and technology

and implement it into the objectives of education and professional work by considering the possible non-technical risks (*Engineering practice*).

- 5.1. Able to innovate and develop technology in the field of building engineering by considering the social, economic, and environmental aspects.
- 5.2. Able to analyze environmental conditions in the process of planning, implementing, and supervising buildings.
- 5.3. Implementing information technology and computers into the process of planning, implementation, supervision of buildings.
- 6. Have social and managerial competence, cooperate, communicate effectively, have entrepreneurship character, environmentally minded and aware of the importance of lifelong learning (*Transferable and softskill*).
- 6.1. Able to work creatively, innovatively, collaboratively, carefully, responsibly, responsive to environmental changes.
- 6.2. Have curiosity, critical thinking, open-mindedness, and objectives.
- 6.3. Able to communicate effectively and cooperate in a *team work*.

Course Learning Outcomes

Course Learning Outcomes (CLO)

CPMK	Cpl
1. Students are able to design shopper in the field of building engineering in accordance with learning standards in the 2013 curriculum	4.1 4.2
2. Students are able to make and implement learning preparation for certain subjects in accordance with K13 guidelines both theory and praktek	4.3 6.1
3. Students are able to design and prepare learning assessments in accordance with the subjects that are standardized with K13 in vocational schools	6.3
4. Students are able to do teaching in the classroom and in workshops in accordance with building engineering materials	

Course Description	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.	
Literature	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. <i>Desain Instruksional</i> . Jakarta: Pusat Antar Universitas. 2. Direktorat Jenderal Guru dan Tenaga Kependidikan. 2018. <i>Modul Manajemen Implementasi Kurikulum 2013 : Jenjang SMK</i> 3. B.R. Hergenhahn, Matthew H. Olson. 2008. Theories of Learning. Seven edition. Pearson Education Inc. Boston 4. Putu Sudira. 2016. TVET ABAD XXI, Filosofi, Teori, Konsep, dan Strategi Pembelajaran Vokasional.	
Teaching Media	Software:	Hardware:
		Computer, LCD Projector and White Board, model and prototype.
Team Teaching		
Assessment	UAS, Individual Assignment, Micro-teaching	
Prerequisite	Vocational pedagogy	

MATERI PEMBELAJARAN

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
(2)	(CPMK-1.2 CPL4.1) Identify and differentiate basic teaching skills	Basic teaching skills	Self-study [1x60'], group discussion [1x120'], assignment [1x60']	Learn basic teaching skills materials		Able to explain aspects of teaching skills
(3)	(CPMK-2.1 CPL4.2)	Learning models,	Self-study [1x60'],	Learn learning design		Able to explain the

Week	Competencies to be achieved	Study Materials	Learning Methods and Strategies	Tasks / assignments	Week	Competencies to be achieved
	Infer various learning models, strategies, methods, and approaches.	strategies, methods, and approaches. (<i>lesson design</i>)	groupdiscussion [1x120'], assignment[1x60']	concepts	concept of learning design well	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	<i>RPS, RPP, and Teaching Materials</i>	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 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
(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	Class preparation [1x20'] Micro-teaching [4x1x40'],	Carrying out teaching tasks in the workshop	8 teaching skills + Safety and supervision	RU-1 and RP-3, 4

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 %
<u>Presence</u>	: 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				



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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:

No	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 %



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TASK QUESTION -1

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

No	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.	



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TASK QUESTION -2

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

No	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.	