Table 1. Matrix of Correlation between Subject/Module with PLO for MEVE-SP.

Codes	Modules	cu	Program Learning Coutcome (PLO)																					Class
			PLO-1			PLO-2			PLO-3				PLO-4			PLO-5			PLO-6					
			1	2	3	1	2	3	1	2	3	4	1	2	3	1	2	3	1	2	3	4	5	
TRANSFERABLE SKILL AND SOFTSKILLS																								
UNP1.60.1401	Religion	3																	**	**	*	*		1
UNP1.60.1402	Pancasila	2																		**	**			1
UNP1.60.1403	Citizenship	2																	*	**	**	*		1
UNP1.60.1404	Indonesian	2																			**	**		4
UNP1.60.1405	English	2																			**	*		4
MES1.61.6103	English for Engineering	2																			**	*		4
UNP2.60.1402	Social & Cultural Science	2																	*	**	**	*		1
UNP1.60.3101	Entrepreneurship	3																			**	*	**	1
	Total	18																						
BASIC SCIENCE																								
MES1.61.1102	Mathematics	2	**			*	*																	2
MES1.61.3101	Chemistry for Engineering	2			**	*	*																	2
MES1.61.2102	Mathematics for Engineering	2	**			*	*																	2
MES1.61.1103	Physics for Engineering	3		**		**	**		*		*	*												2
MES1.61.6104	Statistics	2	**				**																	2
	Total	11																						
MEVE – SUBJECT RELATED COMPETENCES – *EDUCATION ASPECTS*																								
UNP1.61.1201	Fundamental of Education	2											**	**	*									3
UNP1.61.2102	Educational Adm & Supervision	2											*	**	*									3
UNP1.61.2101	Educational Psychology	2											*	**	**									3
MES1.61.5105	Vocational Pedagogy	2											**	**	**									3
UNP1.61.4201	Guidance and Counseling	2				*	*	*					*	*	*						*			3
MES1.61.5104	Technology and vocational education curriculum	2											**	*							*	*		3
MES1.61.4201	Learning Media	2													**						**			3
MES1.61.6106	Special Teaching Method	2											*	**	*					*	*	*		3
MES1.61.6107	Evaluation of Learning	2											*	**	*									3
	Total	18																						
MEVE – SUBJECT RELATED COMPETENCES – *ENGINEERING ASPECTS*																								
MES1.61.1101	Fabrication	3				*	**	*	*	*	*	*												3
MES1.61.1104	Engineering Drawing	3							**		*	*												3

Codes	Modules	cu	Program Learning Coutcome (PLO)																				Class
			PLO-1			PLO-2			PLO-3				PLO-4			PLO-5			PLO-6					
			1	2	3	1	2	3	1	2	3	4	1	2	3	1	2	3	1	2	3	4	5	
MES1.61.1105	Machining Technology	3				*	*	*	**	**	**	**												3
MES1.61.2101	Plate Forming	3				*	*	*	**		**	**				*	*							3
MES1.61.2106	Machine Drawing	3				*	*		**		**	**				*		**						3
MES1.61.2201	Occupational Health and Safety	2				**					**					**								3
MES1.61.2103	Basic Electrical Engineering	2		**		**	**																	3
MES1.61.2104	Machine tool technology	3							**	**	**	**					**							
MES1.61.2105	Computer Programming	2							**			**					**	**						4
MES1.61.3102	Thermodynamics	2	*	**	**	**	**	**																3
MES1.61.3103	Fluid Mechanics	2	*	**	*	**	**	**																3
MES1.61.3104	Metal welding technology	3					*	*	**		**	**				*	**	*						3
MES1.61.3105	Technology of Materials	2		**	**	**	**	**																3
MES1.61.4108	CAD/CAM	3							**	**	**	**				**	**	**						3
MES1.61.3106	Machine Elements	2				**	**	**	**	**	**	**					**							3
MES1.61.3107	Engineering Mechanic	3				**	*				*	*												3
MES1.61.4102	Kinematics & Dynamics	2		**		**	**																	3
MES1.61.4103	Material Testing	2		**	**	**	**	**				**												3
MES1.61.4104	Energy Conversion	2		**	*	**	**	**			**	**				**	**							3
MES1.61.4106	CNC	3				*			**	**	**	**					**							3
MES1.61.4107	Industrial Metrology	3		**		**	**	**	*			*				**	**	*						2
MES1.61.5102	Factory Layout	2				**	**	**				**					**							3
MES1.61.4101	Practicum of Machine Phenomenon	2	*	**		**	**			**														3
MES1.61.4105	Machine Maintenance	3				**	**	**								*	**							3
MES1.61.5101	Heat Transfer	2		**	*	**	**	**									*							3
MES1.61.5103	Applied Technology Machine	2				**	**	**	**	**	**	**				**	**							3
MES1.61.6101	Hydraulic and Pneumatic	2					**	**		**	**					*	*	*						3
	Total	66																						
MEVE – *COMPETENCES IN WORK METHODOLOGY – IMPLEMENTATION*																								
MES1.61.6102	Industrial Management	2				**	**	**				*				**	**	**				**	**	6
MES1.61.6105	Research Methodology	2				**	**	**													**			6
MES1.61.7101	Industrial Internship	3				**	**	**	*	*	*	*				*	*	*			**			6
MES1.61.7102	Education Internship	4											**	**	**					*	**	**		6
UNP1.60.7401	Community Service Program	2														*	*	*	*	**	**	**	*	6
MES1.61.7103	Final Project/Minithesis	6	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	*	**	**	**	6
	Total	19																						
MEVE – SUBJECT RELATED COMPETENCES – *ENGINEERING ASPECTS : ELECTIVE COURSES FOR CONSTRUCTION*																								
MES2.61.6102	Analysis of Machine Constuction	3	*	**		**	**	**	**	**	**	**				**	**							5
MES2.61.5102	Machine Testing	3	*	**		**	**			**														5

Codes	Modules	cu	Program Learning Coutcome (PLO)																				Class
			PLO-1			PLO-2			PLO-3				PLO-4			PLO-5			PLO-6					
			1	2	3	1	2	3	1	2	3	4	1	2	3	1	2	3	1	2	3	4	5	
MES.61.5101	Design Engineering	3				**	**	**	**	*	**	**				**	**							5
MES2.61.6101	Design of Machine Construction	3				**	**	**	**	*	**	**				**	**							5
MES2.61.5102	Drawing machine construction	3	*	*	*	*	*	*	*	*	*	*												5
MEVE – SUBJECT RELATED COMPETENCES – *ENGINEERING ASPECTS : ELECTIVE COURSES FOR PRODUCTION*																								
MES2.61.6105	Production Technology & NCN Programming	3				**	**	**	**	**	**	**				**	**							5
MES2.61.6106	Jig and Fixture	3				**	**	**	**	**	**	**				**	**							5
MES2.61.5104	Machining Process Technology	3				**	**	**	**	**	**	**				**	**							5
MES2.61.5105	Machining Production Technology	3				**	**	**	**	**	**	**				**	**							5
MES2.61.5106	Industrial Automation	3				**	**	**	**	**	**	**				**	**	**						5
MEVE – SUBJECT RELATED COMPETENCES – *ENGINEERING ASPECTS : ELECTIVE COURSES FOR FABRICATION*																								
MES2.61.5107	Fabrication Process Technology	3				**	**	**	**	**	**	**	**											5
MES2.61.5108	TIG/MIG and Acetylene Welding	3				**	**	**	**	**	**	**				**	**							5
MES2.61.5109	Mechanical Metallurgy	3				**	**	**	**	**	**	**				**	**							5
MES2.61.6103	Welding Quality Testing	3				**	**	**	**	**	**	**				**	**							5
MES2.61.6104	Fabrication Production Technology	3				**	**	**	**	**	**	**				**	**							5

Information: ** highly related, * related, [ ] not related