

PROGRAM LEARNING OUTCOMES – PLOS

1. Application-oriented programme

Symbols	Program Learning Outcomes	Master's Proficiency levels
a	Knowledge	
PLO1	Relate professional knowledge	C4
PLO2	Synthesize practical knowledge and deep, extensive, innovative theory knowledge, understanding basic principles and theories in major's research fields	C5
b	Skills	
PLO3	Perform skills of problem definition, experimental design, and data analysis in research, propose solutions scientifically	P4
PLO 4	Perform skills of searching, systematizing, and evaluating scientific information and evidence (theoretical overview)	P4
PLO 5	Demonstrate requirements of honesty, integrity, intellectual property's respectation, have sense of discipline and responsibility in work	A4
PLO 6	Perform skills of presentation, knowledge impartation, discussion of scientific matters, research results in expertise field for diverse audiences	P4
PLO 7	Integrate systems thinking and doing practical research, utilize technology creatively in production and business to find solutions that meet enterprises and markets' requirements	R4
PLO 8	Organize and manage project teams to implement assigned applied research tasks.	P4

2. Research-Oriented Programme

Symbols	Program Learning Outcomes	Master's Proficiency levels
a	Knowledge	
PLO1	Relate professional knowledge	C4
PLO2	Synthesize practical knowledge and deep, extensive, innovative theory knowledge, understanding basic principles and theories in major's research fields	C5
b	Skills	
PLO3	Perform skills of problem definition, experimental design, and data analysis in research, propose solutions scientifically	P4
PLO 4	Perform skills of searching, systematizing, and evaluating scientific information and evidence (theoretical overview)	P4
PLO 5	Internalize the values of research integrity, respect for intellectual property, and research ethics.	A5
PLO 6	Perform skills of presentation, knowledge impartation, discussion of scientific matters, research results in expertise field for diverse audiences	P4
PLO 7	Integrate critical thinking, the creative use of technology, and scientific research to generate new knowledge and develop innovative solutions to research problems and questions.	R4
PLO 8	Perform research management and coordination activities proficiently.	P3