

CURRICULUM STRUCTURE

List of Courses that support the achievement of Learning Outcomes

The curriculum of the Doctoral of Natural Resources Management (PSDA S3) Study Program is structured to support the achievement of graduate profiles, namely as experts, educators, entrepreneurs, and researchers. The total number of credits that must be taken by each student is at least 42 credits, with details of 9 credits are compulsory courses of PSDA S3. A total of 31 credits for the completion of the final project are in accordance with SN-DIKTI level 9 which requires that activities related to research and dissertation writing are recommended not less than 30 credits. Students of PSDA S3 are also required to take a minimum of 2 credits of courses according to specialization (BKU).

The credit load each semester ranges from 2-14 credits. The number of face-to-face credits in class is only carried out in 2 semesters. In the first semester, students must take all compulsory courses. In the second semester, students will take a minimum of 2 credits of elective courses of interest in accordance with BKU and carry out written prelims and oral prelims. The third to sixth semesters students will focus on carrying out a series of final projects which include Colloquium, Research progress seminars at national and international scientific meetings, Publications in Scopus indexed journals which are requirements for Dissertation open examinations, namely with *accepted status*, results seminars and Dissertation examinations consisting of closed examinations and open examinations. The detailed curriculum structure can be seen in Table 1.

Compulsory MK Study Program	:	9 credits
MK Options Available	:	24 credits
Final Project	:	31 credits
Total Compulsory Credit	:	44 SKS

Code	Name	Credit	Semester
List of Compulsory Study Program Courses (9 credits)			
PSL7101	Philosophy of Science and Research Methodology	3 (3-0)	I
PSL 6101	Natural Resources Management System Analysis	3(3-0)	I
PSL 6102	Economic Valuation of Natural Resources and Environment	3(3-0)	I
Final Project List (31 credits)			

PSL 7201	Written Qualification Exam (Written Prelim)	I (0-1)	II
PSL 7202	Oral Qualification Examination (Oral Prelim)	1 (0-1)	II
PSL 7102	Dissertation Proposal / Colloquium	1 (0-1)	III
PSL 7203	National Scientific Publications	2 (0-2)	IV
PSL 7204	Reputable International Scientific Publications	4 (0-4)	IV
PSL 7001	Closed Examination	2(2-0)	Odd/Even
PSL 7002	Open Exam	1(1-0)	Odd/Even
PSL 7003	Dissertation	12 (0-12)	Odd/Even
PSL 7004	Special Topics	3 (3-0)	Odd/Even
PSL 7005	Seminar Hasil I	2 (1-0)	Odd/Even
PSL 7006	Results Seminar II	2 (1-0)	Odd/Even

List of Elective Courses of interest BKU I Tropical Rainforest Ecosystem Management
Electives are taken at least 4 credits

PSL 6003	Tropical Rainforest Management	2 (2-0)	Odd/Even
PSL 6004	Watershed Management, Agroforestry	2 (2-0)	Odd/Even
PSL 6005	Habitat and Ecosystem Rehabilitation	2 (2-0)	Odd/Even
PSL 6006	Coastal Area Ecosystem Management and Ecotourism	2 (2-0)	Odd/Even
PSL 6007	Information System and Spatial and Regional Planning	2 (2-0)	Odd/Even
PSL 6008	Engineering and Biotechnology Natural Resources and Environmental Management	2 (2-0)	Odd/Even

Special topics BKU I

Ecosystem Management Tropical Rainforests 3(3-0)

List of Elective Courses of interest BKU II Management of Coastal Ecosystem Areas
Electives are taken at least 4 credits

PSL 6009	Integrated Management of Coastal and Marine Resources	2 (2-0)	Odd/Even
PSL 6010	Management of Biomass Resources and New and Renewable Energy	2 (2-0)	Odd/Even
PSL 6011	Coastal Resources and Biodiversity Management	2 (2-0)	Odd/Even
PSL 6012	Climate Change and Natural Disaster Mitigation	2 (2-0)	Odd/Even

PSL 6013	Social Engineering and Natural Resource Management Policy	2 (2-0)	Odd/Even
PSL 6014	Coastal Area Pollution Impact Management	2 (2-0)	Odd/Even
Special topics BKU II			
PSL 7103	Special Topics for Coastal Ecosystem Management	3 (3-0)	III

SEMESTER CURRICULUM 2021

Table 1. The Linkage Between Courses/Blocks as Learning and Research Material

SEMESTER 1

No	Code MK	Course Name	Sks	Prerequisite
1	PSL7101	Philosophy of Science and Research Methodology	3 (3-0)	none
2	PSL 6102	Natural Resources Management System Analysis	3 (3-0)	none
3	PSL 6103	Economic Valuation of Natural Resources and Environment	3 (3-0)	none
		Number of credits	9	

SEMESTER II

No	Code MK	Course Name	Sks	Prerequisite
1	PSL 7201	Written Qualification Exam (Written Prelim)	1 (1-0)	The oral prelim is carried out after passing the written prelim
2	PSL7202	Oral Qualification Examination (Oral Prelim)	1(1-0)	
3		Interest Courses	2(2-0)	
4		Interest Courses	2(2-0)	
		Number of credits	6	

SEMESTER III

No	Code MK	Course Name	Sks	Prerequisite
1	PSL7102	Dissertation Proposal / Colloquium	1 (1-0)	Pass the Prelim Exam
2	PSL7004	Special Topics	3(3-0)	
		Number of credits	4	

SEMESTER IV

No	Code MK	Course Name	Sks	Prerequisite
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1	PSDA 7005	Results Seminar I	2 (2-0)	
2	PSDA 7203	National Scientific Publications	2(2-0)	
		Number of credits	4	

SEMESTER V

No	Code MK	Course Name	Sks	Prerequisite
1	PSDA 7006	Results Seminar II	2 (2-0)	
2	PSDA 7204	Reputable International Scientific Publications	4 (4-0)	
		Number of credits	6	

SEMESTER VI

No	Code MK	Course Name	Sks	Prerequisite
1	PSL 7003	Dissertation	12 (0-12)	Pass the Results Seminar
2	PSL 7001	Closed Examination	2(0-2)	
3	PSL 7002	Open Exam	1(0-1)	
		Number of credits	15	

Description: Activities related to research and dissertation writing (proposal seminars, research results seminars, international scientific seminar speakers, publication of reputable international journal articles, and dissertations) are recommended not less than 30 credits.

MATRICULATION S3 PSDA COURSE (NOT INCLUDED IN THE CALCULATION OF THE NUMBER OF LECTURE CREDITS)

No	Code MK	Course Name	sks	Prerequisite
1	PSL 6001	Environmental Statistical Analysis	1(1-0)	
2	PSL 6002	Natural Resources and Environmental Management	1(1-0)	
		Number of credits	2	

Note: The Matriculation Course is non-credit, aims to equalize basic knowledge to start lectures at PSDA S3 Study Program FP UNIB. Required to pass but credits are not included in the calculation of credits

The minimum number of credits for the Dissertation Requirements for the PSDA S3 Study Program of the Faculty of Agriculture UNIB is 44 credits