UNIVERSITAS ANDALAS	Module Description/Course Syllabi	
	Study Program : Bachelor Program (S1)	
DITAL TIDIAJAAN MANA	Faculty of Agriculture	
	University of Andalas	
1. Course number and name		
PIT62205 Land Reclamation and Bioremediation		
2. Credits and contact hours/Number of ECTS credits allocated		
3 credits (2 classes, 1 practicum)		
3. Instructors and course coordinator		
1. Is. Lusi N	Maira, Magrsc	
2. Dr. Ir. A	2. Dr. Ir. Agustian	
3. Dr. lr. Te	3. Dr. Ir. Teguh Budi Prasetyo, MS	
4. Dr., Gus	4. Dr., Gusmini, SP. MP	
4. Text boo	ok, title, outhor, and year	
1. Cummir ISBN 97	ngs, S. P. 2010. Bioremediation: Methods and Protocols. Humana Press UK, 78-1-60761 438-8. DOI 10.1007/978-1-60761-439-5. 290p	
2. Wiley, N 978-1-5	N. 2007. Pytoremediation: Methods and Review. Humana Press-UK. ISBN 13: 9745-098-0,	
3. Director Departm Central Director Post-Mi	rate of Land Management, Director General of Land and Water Management. nent of Agriculture 2008. Optimization and Reclamation of Agricultural Land in Kalimantan Peatland Development Area. 4. Directorate of Land Management, General of Land and Water Management. Department of Agriculture. 2008. ning Land Reclamation.	
4. Environ Contam	nental Protection Agency, 1993. Biological and Chemical Assessment of inated Great Lakes Sediment. EPA 905-R93-006	
5. Environ Sedimer	nental Protection Agency, 1991. Biological remediation of Contaminated nts, with Special Emphasis on the Great Lakes. EPA/600/9-91/001	
6. Negim, Stabiliza Des Scie	O. 2009. New Technique for Soil Reclamation and Conservation: In Situ ation of Trace Elements in Contaminated Soils. Thèse Docteur. École Doctorale ences Et Environnements	
7. Chen, F Raton L	.H. 1999, Soil Engineering: Testing, Design, And Remediation. CRC Press. Boca ondon, Université Bordeaux 1, New York Washington, D.C.	
5. Specific	course information	
A. Brief description of the content of the course (catalog description)		
After completing this course, students are expected to be able to apply reclamation measures for degraded land and bioremediation for soil polluted by toxic organic materials as a resultof		
B. Level of course unit (according to EOF: first cycle Bachelor, second cycle Master)		
First Cycle Bachelor		

C. Semester when the course unit is delivered

Even Semester

D. Mode of delivery (face-to-face, distance learning)

Face to face

6. Intended Learning Outcomes (CPL)

ILO-4: Able to apply their professional responsibilities to make decisions in land and environmental management

P4.3 Determine alternative solutions to land problems

7. *Course Learning Outcomes* (*CPMK*) *ex.* The student will be able to explain the significance of current research about a particular topic.

1. Determine alternative solutions to land problems

8. Learning and teaching methods

Cooperative Learning and Project Based Learning

9. Language of instruction

Indonesian

10. Assessment methods and criteria

Summative Assessment :

- 1. Assignment
- 2. UTS
- 3. UAS
- 4. Internship

Formative Assessment:

- 1. Thumb up and thumb down
- 2. Minutes paper