

Module/Course Description

Forestry Investment Analysis (MNH 428)

A. Module Identity		
1.	Name	Forestry Investment Analysis
2.	Code	MNH 428
3.	Credit	3 (2-3)
4.	Semester	6 (Even)
5.	Pre-requisite	General Economics
6.	Coordinator	Prof. Dr. Ir. Bramasto Nugroho, MS
7.	Lecturers	1. Prof. Dr. Ir. Dodik R. Nurrochmat, MScFTrop 2. Dr. Leti Sundawati, MscFTrop 3. Dr. Soni Trison, S.Hut, MSi
8.	Language	Indonesian
9.	Program(s) in which the course is offered	Internal department: Forest Management Study Program Other departments: all study programs in IPB University as election course
10.	Type of teaching	a. Traditional classroom: 100 % b. Blended system: Traditional classroom....%, Online....% c. e-Learning system:% d. Others:%

B. Workload of course components (total contact hours and credits per semester)								
Credit		Contact Hours				Self-Study	Other	Total
SKS *)	ECTS	Lecture	Class Exercise	Laboratory	Field Practice			
3		28	42			56		126

1 credit unit lecture = 2 hours/ week for lecture and 2 hours/ week for self-study within 14 weeks/ semester

1 credit unit class exercise or laboratory or field practice = 3 hours/week within 12-14 weeks/semester

***1 hour for lecture= 50 minutes; 1 hour for class exercise or laboratory or field practice = 60 minutes*

C. Module Objective (Learning Outcomes)
Students are expected to master the concepts of analysis in the forestry sector; devise planning and evaluation of forestry development projects in the fields of management, industry and forest resources conservation; determine investment alternatives and estimated profits and loss in forestry investment.

D. Detailed Course Learning Outcomes (LO) in Relation to Learning Domains, Teaching Strategies, and Assignment Methods			
No.	LO in Learning Domains	Teaching Strategies	Assessment Methods
a.	Knowledge		
1.	Students are able to explain investment concepts, costs and benefits, producer and consumer surplus and community's welfare.	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/ discussion 	Mid Test & Paper 5%
2.	Students are able to explain aspects, cycles and length of the investment.	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/ 	Mid Test & Paper 7%

		discussion	
3.	Students are able to explain the technique of valuing money and time.	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 8%
4.	Students are able to explain the concept of shar'ie-based investment	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 7%
5.	Students are able to identify cost and benefit and report the cash flow	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 8%
6.	Students are able to explain investment criteria in investment decision making.	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 8%
7.	Students are able to explain the main factors affecting investment planning.	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 7%
8.	Students are able to explain the characteristics of forestry investment (management, industry and conservation)	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 5%
9.	Student are able to explain the application of investment analysis on forest management	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 5%
10	Student are able to explain the application of investment analysis on forestry industry	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 5%
11.	Students are able to analysis investment on forest resources conservation	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Mid Test & Paper 5%
b.	Skills		
1.	Student are able to express opinions and ideas on discussion topics clearly and completely elaboration	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Authentic assessment
2.	Student are able to construct the cost and benefit and report the cash flow	Practical Training/discussion	Authentic assessment
3.	Student are able to demonstrate calculation and analysis on forestry investment using various formula and approach, including investment on forest conservation	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) • Practical Training/discussion 	Authentic assessment
4.	Students are able to describe and choose investment	<ul style="list-style-type: none"> • Presentation of materials • Question and Answer (Q/A) 	Authentic assessment

	alternatives and estimate profits and loss in forestry investment	• Practical Training/ discussion	
5.	Students are able to modify actions to solve problems in study cases	• Presentation of materials • Question and Answer (Q/A) • Practical Training/ discussion	Authentic assessment
c.	Competences:		
1.	Students demonstrate a willingness to participate in the class activities	Practical Training/ discussion	Authentic assessment
2.	Students are able to complete all tasks and participate in class discussion	• Practical Training/ discussion • Homework/ practical report	Authentic assessment

E. Module Content

List of Topic	Number of Weeks	Contact Hours
Investment concepts, costs and benefits, producer and consumer surplus and community's welfare	1	2
Aspects, cycles and length of the investment	1	2
The technique of valuing money and time	2	4
Concept of shar'ie-based investment	1	2
Cost and benefit and report the cash flow	2	4
Investment criteria in investment decision making	2	4
The main factors affecting investment planning	1	2
The characteristics of forestry investment (management, industry and conservation)	1	2
Application of investment analysis on forest management	1	2
Application of investment analysis on forestry industry	1	2
Application of investment analysis on forest resources conservation	1	2

F. Course Assessments

No.	Assessment Type *)	Schedule (Week Due)	Proportion of the Final Mark
1.	Mid-term Examination	The 8 th week	35%
2.	Final Examination	The 16 th week	35%
3	Homework	Minimal 4 times in a semester	30%

*) Example: mid-term examination, final examination, quiz, homework, project, etc.

G. Media Employed

Laptop, LCD, Microphone, White Board, Marker, Pointer

H. Learning Resources

h1. Textbooks:

1. Ali TH. 1982. Prinsip-prinsip Network Planning. Jakarta (ID): PT Gramedia.
2. Gittinger JP. 1986. Analisis Ekonomi Proyek-Proyek Pertanian. Diterjemahkan oleh Sutomo dan Mangiri. Edisi II. Jakarta (ID): Universitas Indonesia Press.
3. Gray C, Simanjuntak P, Sabur LK, Maspaitella PFL. 1985. Pengantar Evaluasi Proyek. Jakarta (ID): Gramedia.
4. Kadariah L, Karlina, Gray C. 1978. Evaluasi Proyek Analisis Ekonomi. Edisi 1. Jakarta (ID): FE UI Press.
5. Davis LS and Johson KN. 1987. Forest Management. Third Edition. New York (US): Mc Graw – Hill Book Company.