

GARIS-GARIS BESAR PROGRAM PENGAJARAN

Judul Mata Kuliah : **MODELLING PENGELOLAAN EKOSISTEM**
 Nomor Kode / SKS :
 Status :
 Dosen Pengasuh :
 Koordinator :
 Anggota :

T.I.U.: Setelah mengikuti mata kuliah ini mahasiswa dapat menyusun model pengelolaan ekosistem perairan untuk hasil yang lestari.

Pokok Bahasan

No	Pokok Bahasan	Sub Pokok Bahasan	Kegiatan	Waktu (mnt)	Dosen	Ref
1.	PENDAHULUAN		TM	2 x 50	(1)	
2	KONSEP SISTEM		TM	2 x 50	(1)	
3.	PEMODELAN SISTEM		TM	2 x 50	(1)	
4	PENERAPAN KONSEP SISTEM DALAM PENGELOLAAN SDA		+TSM TM	2 x 50	(1)	
5	MANAGEMENT INFORMATION SYSTEM		TM	2 x 50	(1)	
6	GEOMETRIC MODELLING		TM	2 x 50	(1)	
7.	EKOSISTEM PERAIRAN: Parameter Kualitas Air	Konsep & Model	TM	2 x 50	(1)	
8.	-SDA-	Konsep & Model	TM +TSM		(1)	
9	UJIAN TENGAH SEMESTER					
10.	PRINSIP STATISTIKA UNTUK PENELITIAN	Konsep, Model, Aplikasi	TM +TSM	2 x 50	(2)	

11.	-sda-	Konsep, Model, Aplikasi	TM +TSM		(2)	
12.	BEBERAPA METODE ANALISIS DATA	Konsep, Model, Aplikasi	TM +TSM	2 x 50	(1)+(2))	
13.	STATISTIKA: BIOMETRIKA	Konsep, Model, Aplikasi	TM +TSM	2 x 50	(2)	
14.	ANALISIS PEUBAH GANDA	Konsep, Model, Aplikasi	TM +TSM	2 x 50	(2)	
15.	SEM: STRUCTURAL EQUATION MODELLING	Konsep, Model, Aplikasi	TM +TSM	2 x 50	(2)	
16.	METODE SIMULASI DALAM PENGELOLAAN EKOSISTEM	Konsep, Model, Aplikasi	TM +TSM	2 x 50	(1)	
17.	UJIAN AKHIR SEMESTER					

KETERANGAN: TM = kegiatan tatap muka (presentasi; ceramah, diskusi, tanya-jawab; penjelasan/pembahasan); TSM = tugas terstruktur mandiri/individual; TSK= tugas terstruktur kelompok (3-4 orang); UTS= ujian tengah semester; UAS= ujian akhir semester.

Referensi:

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2. Resources: Environmental and Policy. John Fernie and Alan S. Pitkethly. 1985
3. Systems Analysis for Civil Engineers. Paul J. Ossenbruggen, 1984.
4. Sustainable Agricultural Systems. C.A. Edwards, Rattan Lal, P. Madden, R.H. Miller, G.House. 1990.
5. Externalities: Theoretical Dimensions of Political Economy. R.J. Staaf & F.X. Tannian. 1986.

6. Multiple Criteria Analysis for Agricultural Decisions. C.Romero & T.Rehman. 1989.
7. Optimization Methods for Resource Allocation. R.Cottle and J.Krarub. 1974.
8. Basta, D.J. dan B.T. Bower. 1982. Analyzing Natural Systems: Analysis for regioal Residuals- Environmental Quality Management. The John Hopkins Univ. Press, Baltimore.
9. Bruenig, E.F. et al. 1986. Ecologic-Socioeconomic System Analysis and Simulation. German Foundation for International Development (DSE) Academia Sinica and China MAB.
10. Cleland, D.I. dan W.R. King. 1975. System Analysis and Project Management. McGraw-Hill Publ. Inc., New York.
11. Jeffers, J.N.R. 1978. An Introduction to System Analysis: With Ecological Applicatons. Edward Arnold (Publishers) Limited, 41 Bedford Square, London.
12. Neely, L. dan L. Joachim. 1990. Strategic Information Systems Planning in Practice. Jour. of Information Tech. Management 2(1): 25-30.
13. Wright, A. 1971. Farming systems: model and simulation. In: J.B. Dent dan J.R. Anderson (Eds.) Systems Analysis in Agricultural Management. John Wiley and Sons, Australia PTY LTD., Sydney. p. 17-33.