

MST 2007 CURRICULUM

The course will start on Monday, the 12 March 2007. The course will comprise various topics, given by Lecturers/Researchers from the Fac. of Fisheries and Marine Science IPB, LIPI, BPPT, UNESCO Jakarta, Guest Lecturer from Germany. The lecture time is 8.30-11.30 during the week. Further lectures might be added in the afternoon or on Saturdays.

Day	Date	Topic	Location	Lect/ Pract	Teacher/Person in Charge (PIC)
1	12.03	Opening Session of MST-2007 and explanation about scope of MST	Dept. ITK- IPB	3 / 0	Dr. T. Prartono/Dr. I. Jaya, and others
2	13.03	Introduction to Marine Science and Technology	Dept. ITK- IPB	3 / 0	Prof. Dr. B. P. Pasaribu
3	14.03	Oceanography , Introduction, Scope	Dept. ITK- IPB	3 / 0	Dr. M. Purba
4	15.03	Physical characteristics	Dept. ITK- IPB	3 / 0	Dr. M. Purba
5	16.03	Dynamics of the Sea: Currents	Dept. ITK- IPB	3 / 0	Dr. M. Purba
6	20.03	Dynamics of the Sea: Waves & Tides	Dept. ITK- IPB	3 / 0	Dr. I W. Nurjaya
7	21.03	Chemical characteristics	Dept. ITK- IPB	3 / 0	Dr. H. Sanusi
8	22.03	Sampling : Equipment Preparation, Methodology	Dept. ITK- IPB	0 / 3	Dr M Purba, Dr. T Hestirianoto, Dr. R Kaswadji, Prof. Dr L Angka
9	23.03	Travel to Pelabuhan Ratu, Oceanography, Acoustic,	Pel. Ratu	0 / 8	Dr M Purba, Dr. T Hestirianoto
10	24.03	Planktology, Microbiology, Marine Necton, Marine Benthos	StellaMaris	0 / 8	Dr. R Kaswadji, Dr L Angka
11	26.03	Mar. Microbiology , Introduction/ techniques	Dept. ITK- IPB	3 / 0	Prof. Dr. L. Angka
12	27.03	Bacteria characterization I	Lab MST	1 / 2	Prof. Dr. L. Angka
13	28.03	Bacteria characterization II	Lab MST	1 / 2	Prof. Dr. L. Angka
14	29.03	Bacteria characterization III	Lab MST	1 / 2	Prof. Dr. L. Angka
15	30.03	Marine Plankton I, Phytoplankton	Dept. ITK- IPB	3 / 0	Dr. A. Damar
16	02.04	Marine Plankton II, Zooplankton	Dept. ITK- IPB	3 / 0	Dr. R. Kaswadji
17	03.04	Sample identification from Pelabuhan Ratu	Lab MST	1 / 5	Dr. R. Kaswadji, Dr. A. Damar
18	04.04	Sample identification from Pelabuhan Ratu	Lab MST	1 / 5	Dr. R. Kaswadji, Dr. A. Damar
19	05.04	Processing data and evaluation	Lab MST	1 / 5	Dr. R. Kaswadji, Dr. A. Damar
20	09.04	Ichthyoplankton , Introduction	Dept. ITK- IPB	3 / 0	Dr. A. Syahailatua
21	10.04	Ichthyoplankton in Marine Ecosystem	Dept. ITK- IPB	3 / 0	Dr. A. Syahailatua
22	11.04	Scientific writing & communicating , Introduction	Dept. ITK- IPB	3 / 0	Dr. I. Jaya/Dr. R. Kaswadji
23	12.04	Marine Nekton , Introduction	Dept. ITK- IPB	3 / 0	Murniati Brodjo
24	13.04	Anatomy and ecology of crustaceans, fish, cephalopods	Dept. ITK- IPB	0 / 3	Murniati Brodjo
25	16.04	Acoustic Instrumentation and Remote Sensing: Introduction	Dept. ITK- IPB	3 / 0	Dr. I. Jaya
26	17.04	Acoustic Instrument: Echo Sounder	Dept. ITK- IPB	3 / 0	Dr. T. Hestirianoto
27	18.04	Bio-telemetry	Dept. ITK- IPB	3 / 0	Dr. T. Hestirianoto
28	19.04	Acoustic Instrument: ADCP	Dept. ITK- IPB	3 / 0	Dr. I. Jaya
29	20.04	Satellite Remote Sensing: Sea Surface Temperature	Dept. ITK- IPB	3 / 0	Dr. V Siregar
30	23.04	Satellite Remote Sensing: Ocean Color	Dept. ITK- IPB	3 / 0	Dr. N. Hendarti
31	24.04	Satellite Remote Sensing: SSH	Dept. ITK- IPB	3 / 0	Dr. J. Lumbangaol
32	25.04	Mariculture , Aquaculture potential	Dept. ITK- IPB	3 / 0	Dr. E. Harris
33	26.04	Pond engineering (environmental friendly)	Dept. ITK- IPB	3 / 0	Dr. E. Harris
34	27.05	Shrimp pond preparation for stocking, Sampling, Feeding management	Lampung	0 / 3	Dr. E. Harris
35	30.04	Benthos Ecology	Dept. ITK- IPB	3 / 0	Dr. Karen Von Juterzenka

36	01.05	Benthos Ecology	Dept. ITK- IPB	1 / 2	Dr. Karen Von Juterzenka
37	02.05	Benthos Ecology	Dept. ITK- IPB	1 / 2	Dr. Karen Von Juterzenka
38	03.05	Benthos Ecology	Dept. ITK- IPB	1 / 2	Dr. Karen Von Juterzenka
39	04.05	Benthos Ecology	Dept. ITK- IPB	1 / 2	Dr. Karen Von Juterzenka
40	07.05	Marine Pollution	Dept. ITK- IPB	3 / 0	Dr. T. Prartono
41	08.05	Marine Pollution	Dept. ITK- IPB	3 / 0	Dr. H. Sanusi
42	09.05	Capture Fisheries , Selectivity of fishing gear	Dept. ITK- IPB	3 / 0	Dr. F. Sondita
43	10.05	Impact of fisheries on the resources and the environment	Dept. ITK- IPB	3 / 0	Dr. A. Purbayanto
44	11.05	Stock Assessment	Dept. ITK- IPB	3 / 0	Dr. S. B. Susilo
45	14.05	Stock Assessment	Dept. ITK- IPB	3 / 0	Dr. S. B. Susilo
46	15.05	Fish Processing Technology	Dept. ITK- IPB	3 / 0	Wini Trilaksani, MSc.
47	16.05	Fish Processing	Dept. ITK- IPB	1 / 2	Wini Trilaksani, MSc.
48	17.05	Fish Processing, Visit to the Industry, Jakarta	Dept. ITK- IPB	1 / 2	Wini Trilaksani, MSc.
49	21.05	Marine Biotechnology	Dept. ITK- IPB	3 / 0	Dr. Linawati
50	22.05	Marine Biotechnology	Lab MST	0 / 3	Dr. Widanarni
51	23.05	Marine Biotechnology	Lab MST	0 / 3	Dr. Widanarni
52	24.05	Marine Biotechnology	Lab MST	0 / 3	Dr. Widanarni
53	25.05	Tropical ecology , Mangrove community	Dept. ITK- IPB	3 / 0	Prof. Dr. Dedi Soedharma
54	28.05	Sea grass and benthic community	Dept. ITK- IPB	3 / 0	Dr. M.Hutomo
55	29.05	Tropical reef ecosystem, Habitat restoration/rehabilitation	Dept. ITK- IPB	3 / 0	Dr. NP Zamani
56	30.05	Coral reef fish, sampling methodology in coral reef	Dept. ITK- IPB	3 / 0	Dr. Unggul Aktani, Hawis HM, M.Si
57	31.05	Tropical ecology, Field practical	Seribu Isl.	0 / 12	Dr. Karen VJ, Hawis HM, M.Si
58	01.06	Tropical ecology, Field practical	Seribu Isl.	0 / 12	Dr. Karen VJ, Hawis HM, M.Si
59	02.06	Tropical ecology, Field practical	Seribu Isl.	0 / 12	Dr. Karen VJ, Hawis HM, M.Si
60	04.06	Tropical ecology, evaluation of data	Dept. ITK- IPB	1 / 2	Dr. Karen VJ, Hawis HM, M.Si
61	05.06	Proposal Development and Writing	Dept. ITK- IPB	2 / 1	Dr. Karen Von Juterzenka
62	06.06	Proposal Development and Writing	Dept. ITK- IPB	1 / 2	Dr. Karen Von Juterzenka
63	07.06	Integrated Coastal Zone Management , Social aspects	Dept. ITK- IPB	3 / 0	Prof. Dr. T. Kusumastanto
64	08.06	Resource economics	Dept. ITK- IPB	0 / 3	Dr. L. Adrianto
65	11.06	Sustainable development of coastal zones and small islands	Dept. ITK- IPB	1 / 2	Dr. N.P. Zamani
66	12.06	Methods to develop coastal zone management policies	Dept. ITK- IPB	1 / 2	Dr. B. Wiryawan
67	13.06	Coral Reef Assessment and Public Awareness	Dept. ITK- IPB	5 / 1	Dr. J.-H. Steffen
68	14.06	Sampling strategy in the Deep Sea	Dept. ITK- IPB	3 / 0	Dr. Karen Von Juterzenka
69	15.06	Seminar	Dept. ITK- IPB	0 / 6	All lecturer
70	18.06	Examination	Dept. ITK- IPB	6	All lecturer

A research proposal will be developed by each participant during the 3 months duration of the course, further lectures will deal with techniques in scientific writing and communicating. All students will be asked to write report on one of the modules in the form of a protocol.