

MB3310: TROPICAL FISHERIES BIOLOGY AND MANAGEMENT 2006

Timetable

Mon 3/07/06	Tues 4/07/06	Wed 5/07/06	Thurs 6/7/06	Fri 7/07/06
9.00-09.15 G. Russ Introduction to course.	9.00-10.00 Lecture. Estimating Growth and Mortality Rates. G. Russ	0900- 1030 Lecture. Intro. to Stock and recruitment. G. Russ.	9.00-10.15 Lecture. Introduction to multispecies fisheries and Ecosystem Models. G. Russ.	9.00-10.30 Lecture. Fisheries management and Adaptive management. G.Russ
9.15-10.15 Lecture. Basics of Fisheries Biology and Stock Assessment. G. Russ.	10.30-12.00 Lecture. Estimating Stock Size (VPA and CPUE). G. Russ	1100- 12.00 Lecture. Yield Estimates: Biomass Dynamic and Yield per Recruit models. G.Russ.	10.45-1200 Lecture. Early life history of tropical fishes: take home messages for fisheries. M. McCormick	1030 -12.00 Exam Preparation
10.45-12.00 Lecture New Directions for Fishery Science. G. Russ				
LUNCH 12.00-13.00				
1300 Practical 1. Age determination of tropical fish by otoliths G.Russ, W. Robbins, R Evans	13.00-1500 Practical 2. Estimating Parameters of Fisheries Models: Growth and Mortality G. Russ.	13.00-1500 Practical 3. Introduction to Fisheries Modelling on Spreadsheets: Age Structured Models G. Russ	13.00-1500 Lecture. Fisheries Population models S. Connolly	1300-1500 Written Exam (2 hours)
1430-1530 JCU Library Tour 1530 Field Trip- Dive register	15.30-16.30 Lecture Biology of Sweetlip Emperor - Relevance to the GBR Line Fishery A. Williams	1530-1630 Lecture. Molecular markers and fisheries. L. van Herwerden	1530-1630 Lecture. Using larval marking techniques to assess larval dispersal of fish. G.P. Jones	
1630-1730 Age and Growth of tropical Fish. J.H. Choat				

SATURDAY 8/07/2006 to WEDNESDAY 12/07/2006

**Field trip to Orpheus Island Research Station:
Assessing the Success of GBRMPA Closures to Fishing in the Palm Islands.**

Exam Friday July-7, 2006 1300-1500.

Assignment due Friday, August 11, 2006 at 1700.

Synopsis due July 3, 2006 at 0900

FIELD TRIP TIMETABLE:

DATE	AM	PM	EVENING
08/07	TRAVEL TO ORPHEUS	UVC TRAINING	Lect.-GBR MPAs (RE)
09/07	TRAPPING/TAGGING	UVC	Lect.- MPA export (GRR)
10/07	TRAPPING	UVC	Lect. MPA Social Issues
11/07	TRAPPING	UVC	BBQ
12/07	CLEAN UP/TRAVEL to JCU	Townsville (~ 1400)	

