

MARI301 Marine Ecology 2023 Timetable

Week	Date	Practicals and Workshops: Monday or Tuesday or Wednesday 14:00 – 17:50	Monday lecture 12:00 – 12:50	Tuesday lecture 11:00 – 11:50
9	27 Feb – 3 Mar	Workshop: Study design to investigate patterns and processes in marine ecology	Introduction to MARI301 Marine ecology and ecosystems (CS)	Patterns & processes / Applied ecology: Climate change effects on marine ecosystems (CS)
10	6 – 10 March	Field trip on Polaris: Biodiversity in Otago harbour	Patterns & processes: Marine diversity I: Global patterns; Biodiversity and ecosystem functions (CS)	Patterns & processes: Marine diversity II: Functional diversity (CS)
11	13 – 17 March	Field trip: Set up field experiment in Blueskin Bay (& deploy ROMA plates)	Patterns & processes: Food webs I: Diversity and ecosystem stability (CS)	Patterns & processes / Interactions: Food web II: Trophic niches (CS)
	Sat 18	FULL DAY COMPULSORY FIELD EXPERIMENT Role of key organisms in ecosystem functioning		
12	20 – 24 March	PML practical: Analyse ROMA plates and community data	Patterns & processes: Pelagic foodwebs and the carbon pump (ML)	Patterns & processes: Variability in the pelagic productivity (ML)
13	27 – 31 Mar	PML practical: Heatwaves and shellfish stress responses experiment	Patterns & processes: Use of eDNA in marine ecology (G-J J)	Applied ecology: Ecosystem impacts of heatwaves (RS)
14	3 – 7 April	Tutorial: How to analyse your ecosystem functioning (flux) data	Connectivity: Early life history stages (ELHS) I: Complex life cycles and diversity of strategies (ML)	Connectivity: ELHS II: Development & feeding; mortality & settlement (ML)
15	7– 14 Apr	Easter and Mid-semester break – enjoy some downtime !		
16	17 – 21 Apr	Computer (CAL) lab: eDNA bioinformatics computer exercise	Connectivity: ELHS III: Larval dispersal & transport (ML)	Connectivity: ELHS IV: Population processes & environmental change (ML)

17	24 – 28 Apr	No lab	Connectivity: Marine metapopulations (CS)	ANZAC Day
18	1 – 5 May	WORKSHOP: Science communication	Interactions: Importance of predator-prey interactions for structuring communities (BA)	Interactions: How environmental change can alter predator-prey dynamics and community structure (BA)
19	8 – 12 May	WORKSHOP: Marine Protected Areas	Applied ecology: (ONLINE) Real-world applications of marine ecology for coastal management in NZ (JC & ST)	Interactions / Applied ecology: Ecological feedbacks and ecosystem-based management (CS)
20	15 – 19 May	WORKSHOP: Structured decision making for conservation	Applied ecology: Ecology in Fisheries (GG)	Applied ecology: Seabird research and conservation (UE)
21	22 – 26 May	Field trip: East Otago Taiapure	Applied ecology: Spatial management I: International and transboundary management (GG)	Applied ecology: Spatial management II: Local management (GG)
22	29 May – 2 Jun	No lab	Applied ecology: Beyond the obituaries: Stories of hope & restoration ecology (CS)	Exam revision

NOTE:

Practicals shown in blue are three lab streams (Mondays, Tuesdays, Wednesdays 2 – 6 pm);

Workshops in green are two streams (Mondays, Tuesdays 2 – 5 pm)

Shown in pink is the compulsory field day for the whole class (8 am – 5 pm)