



## **FISHERIES MANAGEMENT (DRAFT 30/1/2024)**

**Innovation Campus, North Wollongong,  
University of Wollongong.**

**Monday 18<sup>th</sup> to Friday 22<sup>nd</sup> March, 2024**

**ITAMS Building (233) Room G12**

### **Course content**

***Fisheries Management** examines the principles and legal obligations for sustainable fisheries in the fisheries management process and the economics of fisheries management. The development and objectives of fisheries regulation and use-rights based fishing regimes are explained. Precautionary and ecosystem approaches to fisheries, are set within the adaptive management and climate change challenges facing management. The role of marine protected areas in fisheries management and spatial marine development are discussed as future challenges posed by the developing Blue economy to domestic fisheries management. Participants are made aware of international legal obligations and the management framework established by regional fisheries organisations and ways to limit Illegal, Unreported and Unregulated fishing.*



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# Program

## Monday, 18th March

- 09.00-10.30 Introduction to Fisheries Management** *(Prof. Alistair McIlgorm)*
- Welcome to ANCORS.
  - Objectives of fisheries management.
  - Fisheries management within the context of responsible fisheries.
  - FAO framework on fisheries management.
  - Overview of issues with fisheries management regimes.
- 10.30-11.00** Morning Tea
- 11.00-12.30 Fisheries Management Processes** *(Prof. Alistair McIlgorm)*
- Components of fisheries management: multidisciplinary & institutional considerations
  - Introduction to fisheries governance and management: the differences.
  - Development of fisheries policy and to management plan processes.
- 12.30-13.30** Lunch
- 13.30-14.15 International Legal Obligations for Fisheries Management** *(Em. Prof Martin Tsamenyi)*
- Law of the Sea Convention obligations.
  - Fisheries in the Exclusive Economic Zone.
  - High Seas, post-LOSC measures and Regional Agreements.
- 14.15-15.00 Legal considerations in domestic fisheries management**  
*(Em. Prof Martin Tsamenyi and Prof A.McIlgorm)*
- Fishery legislation and empowerment (MT)
  - The Offshore Constitutional Settlement
  - Administrative law principles and fisheries management (AM).
  - Indigenous fisheries-native title.
  - Discussion
- 15.15** **Welcome Drinks**

## Tuesday, 19th March

- 09.00-10.30 Fisheries Economics** *(Prof Alistair McIlgorm and Dr Rachel Nichols)*
- Common property and the open access fisheries problem
  - Why does over exploitation occurs?
  - Regulation and management
  - Legal decisions and fish rights.
- 10.30-11.00** Morning Tea
- 11.00-12.30 Economics and Fisheries Management** *(Dr Rachel Nichols and Alistair McIlgorm)*
- The economics of fisheries management.
  - Regulation and Input regimes.

-Output regimes

**12.30-13.30** Lunch

**13.30-15.00** **Fishery Science – the Evidence Base for Management** *(Dr Johann Bell)*

- Stock assessment in single species and multi-species fisheries.
- Collection and verification of data.
- Use of data in fisheries policy development and management.

### Wednesday, 20<sup>th</sup> March

**09.00-10.30** **Fishery Management Tools** *(Prof. Alistair McIlgorm and Dr Rachel Nichols)*

- Input and output regimes.
- The costs and benefits of fisheries management.
- Fisheries management in the Blue economy.

**10.30-11.00** Morning Tea

**11.00-12.30** **Fisheries Management Planning & Processes for Allocation** *(Prof. Alistair McIlgorm)*

- Strategic principles in fisheries management.
- Fisheries management plans and strategies (examples).
- Allocation processes in Australian fisheries management.

**12.30-13.30** Lunch

**13.30-15.00** **Implementing a Precautionary Approach** *(Dr Johann Bell & Prof McIlgorm)*

- Stock status, reference points and harvest control rules.
- Precautionary reference points under harvest strategy policy.
- Precaution in quota setting & under UN Fish Stocks Agreement.
- Precautionary reference points in multi-species fisheries.

**18.30** **Course Dinner**

### Thursday, 21<sup>st</sup> March

**09.00-10.30** **Fisheries Governance & the Western Central Pacific** (Dr Kamal Azmi)

- Fisheries governance.
- Regional fisheries Management Organisations.
- Politics and marine conservation issues.

**10.30-11.00** Morning Tea

**11.00-12.30** **Social Well Being and Fisheries Management- a NSW fishing industry case study**  
(Dr Michelle Voyer)

- What is social well being and how do we measure it?
- A case study of Socio-economic well being in the NSW Fishing industry.

**12.30-13.30** Lunch

**13.30-15.00** **The ecosystem approach, adaptive management and climate change** (Dr Johann Bell)

- Ecosystems approaches to fisheries management.
- What is adaptive management? Principles and practice.
- Climate change in fisheries – examples.
- How can Fishery managers address climate change?

## Friday, 22<sup>rd</sup> March

**09.00-10.30** **Marine Protected Areas and Fisheries Management** (Prof. McIlgorm/ C. Rambourg/ Dr Freya Croft)

- Background to the development of marine protected areas.
- MPAs and fisheries management.
- Future spatial marine management issues in the Blue economy

**10.30-11.00** Morning Tea

**11.00-12.30**

**CITES and Fisheries Management** (Glenn Sant, TRAFFIC)

- The role of CITES in fish trade. How does the CITES process work?
- Recent developments with endangered species.
- Addressing traceability and
- Illegal, Unreported and Unregulated fishing* aspects.

**12.30-13.30** **Lunch and close of course**



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**Program tuition cost:** Aud \$2,950 incl. gst. (includes morning, afternoon teas and lunch). Participants cover own travel and accommodation cost.

**Registration form: (Complete and send to Anica above please).**

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