

## **AQUACULTURE STRAND (1)**

### **YEAR THREE COURSES**

- A311 Biostatistics
- SFM 311.1 Advances in Aquaculture
- SFM 311.2 Limnology & Freshwater Ecology
- STA 311.4 Seafood Science
- A322 Research Methods
- SFM 321 Selected Topics (Seminars)
- SFM 321.1 Fish Disease & Management
- SFM 324.3 Fisheries Science & Technology

### **YEAR FOUR COURSES**

- A417 Special Project 1
- SFM 411.2 Marine Pollution Assessment
- SFM 411.3 Inland Fisheries
- SFM 411.1 Fish Nutrition
- A427D Special Project 2
- SFM 421.3 Fish Population Dynamics
- SFM 423.3 Ecosystem Approach to Fisheries Management
- SFM421.1 Food Safety Standards (HACCP)

## **AQUATIC SCIENCES STRAND (2)**

### **YEAR THREE COURSES**

- A311 Biostatistics
- SFM 311.2 Limnology & Freshwater Ecology
- SFM 312.2 Marine Ecology
- SFM 312.3 Fisheries Data & Statistics
- A322 Research Methods
- SFM 321 Selected Topics (Seminars)
- SFM 321.1 Fish Disease & Management
- SFM 321.2 Applied Ecology

### **YEAR FOUR COURSES**

- A417 Special Project 1
- SFM 411.2 Marine Pollution Assessment
- SFM 411.3 Inland Fisheries
- SFM 412.3 Fisheries Climatology
- A427D Special Project 2
- SFM 421.3 Fish Population Dynamics
- SFM 422.3 Marine Law
- SFM 423.3 Ecosystem Approach to Fisheries Management

## **FISHERIES SCIENCE & MANAGEMENT STRAND (3)**

### **YEAR THREE COURSES**

- A311 Biostatistics
- SFM 312.2 Marine Ecology
- SFM 312.3 Fisheries Data & Statistics
- STA 311.4 Seafood Science
- A322 Research Methods
- SFM 321 Selected Topics (Seminars)
- SFM 322.3 Fisheries Economics
- SFM 324.3 Fisheries Science & Technology

### **YEAR FOUR COURSES**

- A417 Special Project 1
- SFM 411.2 Marine Pollution Assessment
- SFM 411.3 Inland Fisheries
- SFM 412.3 Fisheries Climatology
- A427D Special Project 2
- SFM 421.3 Fish Population Dynamics
- SFM 422.3 Marine Law
- SFM 423.3 Ecosystem Approach to Fisheries Management

## **CONTACT US**

### **MAILING ADDRESS**

DEPARTMENT OF FISHERIES  
School of Natural Resources  
Papua New Guinea University of  
Natural Resources and Environment  
Private Mail Bag. KOKOPO.  
East New Britain Province.

### **MAIN SWITCHBOARD**

987 1200

### **ADMISSIONS QUERIES EMAIL ADDRESS**

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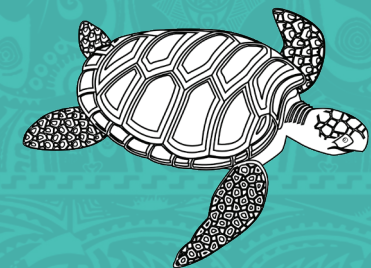
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# **Sustainable Fisheries and Marine Resources**



“Where passion for fisheries and marine science meets hands-on learning and a commitment to excellence.”



# Welcome

Welcome to the Department of Sustainable Fisheries and Marine Resources. Our department is one of the four departments in the School of Natural Resources at PNG University of Natural Resources & Environment. Here, passion for marine science meets hands-on learning and a commitment to excellence. Our dedicated faculty and “living laboratories” consisting of the vast ocean and pristine marine environments offer an unparalleled educational experience, preparing you for a successful career in fisheries and marine conservation.

## OUR DEPARTMENT TEAM

Our department consists of eleven (11) qualified academic teaching staff, four (4) technical staff, and one (1) administrative staff member. Our team brings a wealth of university academic expertise and extensive sectoral and industry experience, which we take pride in embracing and harnessing to maintain the high standards of our study program. Recognizing the importance of retaining young talent in human resources, we offer placements in the department to our top-performing students after they complete their studies, as opportunities arise.

## PROGRAM STRUCTURE

### Foundation and Specialization

In the first year (Year 1), all students undertake common foundation courses. These introductory courses include subjects from the Sustainable Fisheries and Marine Resources program as well as prerequisites from our sister departments. This foundational approach continues into the second year (Year 2) before students begin to specialize in their chosen majors in the third year (Year 3) and continue through to the fourth year (Year 4).



## DEGREE PROGRAMS AND MAJORS

The Department offers an undergraduate degree program with four majors and an exit Diploma award:

- Bachelor of Sustainable Fisheries & Marine Resources (Aquaculture)
- Bachelor of Sustainable Fisheries & Marine Resources (Aquatic Sciences)
- Bachelor of Sustainable Fisheries & Marine Resources (Fisheries Science & Management)
- Bachelor of Sustainable Fisheries & Marine Resources (Fisheries Technology)

Additionally, an Advanced Diploma in Sustainable Fisheries & Marine Resources is available as an exit award.

## ENTRY REQUIREMENTS

Applicants must have a Grade 12 Higher School Certificate (or equivalent) with grades of ‘B’ or better in Language & Literature, Maths A (or Maths B), Biology, Chemistry, and Physics, and a GPA of 2.8 or higher.

## CAREER PATHWAYS

### Research Career Pathway

Marine Biology, Oceanography, Freshwater Ecology, Fisheries Climatology, Fish Population Dynamics, etc.

### Applied Career Pathway

Fisheries Management, Aquaculture, Ecotourism, Education, Environmental Consulting, Fisheries Consulting, Conservation, Food Technology, etc.

## YEAR 1 (FOUNDATION) COURSES

### Semester One

- SFM 111 Introduction to Fisheries
- STA 112 Applied Biology
- STA 113 Applied Chemistry
- STA 114 Communication Skills
- SIT 114 Introduction to ICT

### Semester Two

- SFM 121 Introduction to Aquaculture
- SFM 122 Introduction to Aquatic Ecosystems
- STA 121 Applied Physics
- STA 122 Applied Mathematics
- SLP 121 Natural Resources Conservation and Utilization

## YEAR 2 COURSES

### Semester One

- SFM 211 Ichthyology
- SFM 212 Marine Conservation Biology
- SFM 213 Introduction to Fisheries Technology
- STA 211.4 Statistics for Natural Resources

### Semester Two

- SFM 211 Aquatic Invertebrate Biology
- SFM 222 Introduction to Fisheries and Marine Resource Management
- SFM 223 Introduction to Seafood
- SFM 224 Fisheries Oceanography

