



## JOB DESCRIPTION FOR LECTURER IN AQUACULTURE

Title:	Lecturer in Aquaculture
School/Division:	Department of Fisheries Studies (DFS)
Category:	Academic
Stream	Higher Education
Reports to:	HOD and Dean of the Faculty of Agriculture, Fisheries and Forestry (FAFF)
Location/Campus:	SINU, Ranadi Campus

### 1. SUMMARY OF DUTIES

A lecturer is responsible for designing and planning courses, delivering lectures and training sessions, conducting student assessments, developing learning materials, reviewing and updating the curriculum, creating teaching plans and instruments, evaluating course effectiveness, and engaging in academic research.

#### MAIN DUTIES AND RESPONSIBILITIES

The Solomon Islands National University (SINU) expects the practice of all teaching staff to be of the highest quality. The following sets out the expectations the University has of its teaching staff. These details reflect the quality of teaching and the Professional Standards expected to be delivered by all academic staff of the University.

##### 1.1. Teaching and Learning

- Demonstrate teaching ability and experience in higher education, ideally teaching aquaculture with abilities to design teaching materials.
- Have good knowledge of aquatic animal physiology and behaviour, aquaculture production, fish nutrition, fish ecology, ichthyology, limnology and fish health and related fields.
- Establish a purposely motivating learning environment where learners feel safe, secure confident and valued.
- Assist in the review of course content and materials regularly and updating when required.
- Develop and apply innovative and appropriate teaching and learning techniques and materials that create interest, understanding and enthusiasm among students.
- To evaluate and improve own communication skills to maximize effective communication and overcome identifiable barriers to communication.
- To use listening and questioning techniques appropriately and effectively to transfer knowledge and practical skills, methods and techniques in a range of learning contexts
- To ensure that course design and delivery comply with the quality standards and regulations of the university.
- To prepare unit descriptions and course materials for the units of delivery.
- To advise students on academic and career issues that contribute to addressing individual learning needs and overcoming identified barriers to learning.
- To supervise student projects, field trips and, where appropriate, placements.
- To write, prepare and mark assignments and examinations and provide feedback to students.



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- Provide opportunities for learners to understand how food engineering and food processing relate to the wider social, economic, and environmental context.
- To ensure that the teaching content and methods of delivery are in accordance with equal opportunities, and respond to issues relating to staff and student needs.
- To collaborate with other academics and lecturers to improve teaching methods and expand the knowledge base.
- Work with colleagues in the aquaculture strand to identify and address skill and proficiency development in the aquaculture field.

### **1.2. Research**

- To determine relevant research objectives and prepare research proposals.
- To assist in the implementation and delivery of donor-funded projects.
- To write or contribute to publications or disseminate research findings
- Carry out consultancy work for school, national level and regional level
- To make presentations or exhibitions at national and international conferences and other similar events.
- To effectively contribute to the creation of knowledge on aquaculture and its related areas in the Solomon Islands.

### **1.3. Assessment for learning**

- Devise, select, use, and appraise assessment tools, including where appropriate, those which use new and emerging technologies.
- Develop, establish, and promote peer- and self-assessment as a tool for learning and progression.
- Develop learning task competencies with the instruments of its application, assessment, and reporting.
- Apply appropriate assessment methods to produce valid, reliable, and sufficient evidence.
- Collaborate with others, as appropriate, to promote equity and consistency in assessment processes, participating fully in internal verification.

### **1.4. People Management and Teamwork**

- To develop links with external contacts such as other educational bodies, employers, and professional bodies to foster collaboration.
- Regular contact and liaison with students to teach and provide support.
- To provide academic leadership to those working within programmed areas, as lecturer or equivalent,
- To assist in the work of a team by agreeing to objectives and adhering to work plans.
- To act as a personal mentor to students and colleagues when required.
- To lead small workgroups within specific areas of responsibility related to aquaculture both at the institution and national level.

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- To ensure that teams within the department work together effectively.
- To act to resolve conflicts within and between teams.

### **1.5. Professional Values and Practice**

- Encourage learners to appreciate and reflect on ways in which learning and developing skills in feed formulation and farm management or other hands-on-the-job techniques can empower them to help their communities.
- Develop a technical learning environment where students will acquire an excellent understanding of all aspects of technical elements of aquaculture operations including hatchery and grow out stages for shellfish, crustaceans and fin fish.
- Provide advice on the development and maintenance of training programs and learning resources, implementations of new technologies and techniques and the identification of industry/community requirements concerning the delivery of programs.
- Evaluate own contribution to the organization's quality cycle.

### **1.6. Access and Progression**

- Refer learners to information on potential current and future learning and career opportunities and appropriate specialist support services.
- Provide learners with appropriate information about the organization and its facilities (library, computer lab, other student services), and encourage learners to use the organization's services, as appropriate.
- Provide effective learning support, within the boundaries of the teaching role.

### **2.6. Resource Management**

- To contribute to the overall management of the department in areas such as budget, Management and planning.
- To participate in strategic planning and contribute to department initiatives.
- To contribute to managing quality, audit, and other external assessments.

### **1.7. Measures of Effectiveness**

- Class quizzes, practical exercises, exams, and course results.
- Teaching notes, aids, and equipment designed and developed.
- Examination papers produced.
- Course units or Modules for distance education taught, supervised and reviewed.

## **2. GENERAL RESPONSIBILITIES**

- Adhere to the University's Equal Opportunities policy in all activities and actively promote equality of opportunity wherever possible.
- To be responsible for one's health and safety and that of other colleagues.
- To Undertake other duties as may be reasonably expected.
- To provide a healthy and comfortable working environment for staff members.



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### **3. QUALIFICATIONS REQUIRED**

#### **3.1. Educational Background**

- At least a Post-Graduate Degree in marine Science (Aquaculture) or related fields.

#### **3.2. Experience**

- Must have 3-5 years of teaching experience in higher education.

### **4. Key Competencies**

- Can develop instructional material, lessons, and teaching Aids that ensure aims and objectives are achieved.
- Plan and deliver learning instructions.
- Write, prepare, and mark assignments, tests & Exams.
- Attend meetings, seminars, or conferences as required.
- Attend and participate in the review and upgrade of units to meet industry expectations.
- Collaborate with colleagues to carry out research relevant to aquaculture and other disciplines within the department that is interdisciplinary research where possible.

### **5. DESIRABLE ATTRIBUTES**

- Preference will be given to applicants with work experience in academic teaching in the area of Aquaculture or related field in an establishment or university.

### **TERMS AND CONDITION**

The position is for five (5) years under an employment contract. The contract is renewable upon subject to good performance.