



# **KERALA AGRICULTURAL UNIVERSITY**

**PROSPECTUS FOR ADMISSION TO**

## **M.Sc. Ocean and Atmospheric Sciences**

**2024 - 25**

## 1. INTRODUCTION

The M.Sc. program in Ocean and Atmospheric Sciences offers an in-depth exploration of the dynamic processes occurring in oceans and atmosphere. The student community will gain a comprehensive understanding of the physical, chemical, biological, and geological aspects of these interconnected systems. Through a combination of rigorous coursework, practical training, and cutting-edge research, they will acquire the skills and knowledge required to analyze complex environmental phenomena and contribute to the field of Ocean and Atmospheric Science. Throughout the program, they will have the opportunity to delve into various areas of study, such as oceanography, meteorology, climatology, and environmental dynamics. Working closely with renowned faculty members and researchers, they will have the opportunity to contribute to ongoing research projects, collaborate with interdisciplinary teams, and present their findings at conferences and scientific forums. Upon completion of the MSc. program in Ocean and Atmospheric Sciences, they will be equipped to pursue a variety of career paths such as environmental consulting firms, research institutions, governmental organizations, or non-profit organizations dedicated to studying and preserving Earth's oceans and atmosphere.

## 2. COURSE OBJECTIVE

- To teach students the fundamental principles of fluid dynamics, thermodynamics, atmospheric dynamics, ocean circulation, and climate change.
- To provide students with an understanding of the interactions between the ocean and atmosphere, including the exchange of energy, mass, and momentum.
- To enable students to apply their knowledge to real-world problems related to ocean and atmospheric science.
- To provide students with experience in collecting and analyzing data related to ocean and atmospheric science through fieldwork, laboratory work, and research projects.
- To develop student's skills in communication, collaboration, and critical thinking related to ocean and atmospheric science.

The details of course are given below:

<b>a.</b>	Name of Course	M.Sc. (Ocean and Atmospheric Sciences)
<b>b.</b>	Name of Institution	College of Climate Change and Environmental Science, Kerala Agricultural University
<b>c.</b>	Number of seats	20 students per year (Five seats reserved for NRI/ International candidates)
<b>d.</b>	Duration of Course	2 years
<b>e.</b>	Eligibility	Candidate must have passed Bachelor's degree in any branch of science with Mathematics and Physics as compulsory subjects at the B.Sc. Level/ B.Sc. (Hons) in Climate Change and Environmental Science/ B.E./B.Tech. in Civil/ Mechanical/Electrical with at least 60% marks from a recognized Institute/University.
<b>f.</b>	<b>Fee Structure</b>	
	Admission Fee	₹10,000/-
	College caution deposit (refundable)	₹100,000/-
	Semester Tuition Fee	₹30,000/- per semester for General seats.

		US \$1500/- (₹1,24,000/-) per semester for NRI/International seats.
<b>g.</b>	Medium of Instruction	English
<b>h.</b>	Accommodation	Candidates have to make their own arrangements for boarding and lodging

**3. SELECTION**

The selection of candidates will be based on the academic merit.

**4. SYSTEM OF TEACHING AND EVALUATION:**

Credit-based semester system with the existing pattern of the Kerala Agricultural University

**FOR MORE DETAILS ABOUT THE COURSE, CONTACT:**

Dr.P.O.Nameer  
Dean, College of Climate Change and Environmental Science  
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Mobile: 9745401986 & 9400824393

*For admission related queries, contact +91 487-243 8143/8139 (10 AM to 5 PM on working days) or email to [admissions@kau.in](mailto:admissions@kau.in)*

**DIRECTOR OF EDUCATION**

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