

KOICA-PKNU Master's Degree Program in Fisheries Science

August 16, 2023 – December 20, 2024

Busan, Republic of Korea



Korea International Cooperation Agency



Graduate School of Global Fisheries
Pukyong National University

** Participants are strongly advised to thoroughly read and follow the provided instructions in the Program Information.**

Contents

I . PROGRAM OVERVIEW	- 0 -
II. HOW TO APPLY	- 1 -
III. PROGRAM CONTENTS.....	- 5 -
IV. TRAINING INSTITUTE	- 14 -
V . ACADEMIC REGULATIONS	- 26 -
VI. PRECAUTIONS.....	- 29 -
VII. CONTACTS.....	- 30 -

I . PROGRAM OVERVIEW

■ **Program Title: KOICA-PKNU Master's Degree Program in Fisheries Science**

■ **Duration**

- **Stay duration: August 16, 2023 - December 20, 2024 (17 months)**

During the 17 months at PKNU, students are strongly recommended to complete all required academics and graduation requirements.

- **Academic duration: September 1, 2023 - February 14, 2025 (18 months)**

In accordance with university regulations, the diploma will be issued in February 2025.

■ **Degree: Master of Fisheries Science**

■ **Objectives**

- 1) To train fisheries specialists in the field of fisheries science and contribute to the development of fisheries industries of participating countries
- 2) To facilitate cooperative relationships and expand networks between participating countries and Korea in the field of fisheries sciences

■ **Training Institute: Graduate School of Global Fisheries,**

Pukyong National University (<http://gsgf-e.pknu.ac.kr>)

■ **Number of Participants: 15 Government Officials**

■ **Language: English fluency that requires no translation**

■ **Accommodations: Dormitory of Pukyong National University (Sejong-Gwan 1)**

- The rooms are designed for single occupancy.

Students will stay alone in a double-type room for six months after arriving at the PKNU.

After the former students leave PKNU, students will move to a single-type room.

- Each room is fully furnished with a desk, bed, closet, sink, bathroom, and electric appliances (an LCD television, a refrigerator, and an air-conditioner).

- The dormitory residency is required to select mandatory meals. The dormitory cafeteria does not offer halal food but always offers eggs, fish, and vegetables for Muslim participants.

- If the participant fails to provide proof of being fully vaccinated against COVID-19, they cannot reside in the dormitory. Only a WHO-certified vaccination is accepted.

II. HOW TO APPLY

<A two-track approach of an application process>

- For KOICA documents;

- KOICA documents (KOICA application form) should be sent to the regional KOICA office or the relevant government office.
- An original copy should be sent to the regional KOICA office or the relevant government office with a sealed envelope for your privacy protection.

- For Pukyong National University (PKNU) documents;

- A scanned copy should be sent to PKNU (via PKNU email: koica_pknu@naver.com)
- The original documents should be sent to the regional KOICA office or the relevant government office with a sealed envelope for your privacy protection till the end of the local medical checkup (After the medical checkup, an original copy should be handed into PKNU directly by the applicant).
- A final participant must submit the scanned certificate of bachelor's degree and transcript legalized by the Embassy of Korea in the participant's country or an apostille to be issued a certificate of admission. The original legalized documents should be submitted to PKNU when a participant arrives. If the submission of the original legalized documents fails, the admission is subject to be canceled.

Notice

Apostille

Apostille or Hague apostille means a certification under the terms of the Apostille Convention. It specifies the modalities through which a document issued in one of the signatory countries can be certified for legal purposes in all the other signatory states. It is an international certification comparable to a notarization in domestic law. It confirms the signature's authenticity, the quality in which the signer has acted, and the seal or stamp with which the document is affixed. If the applicant's country is not a member of The Hague Convention, the applicant needs "legalization" on the certificates.

Please refer to the apostille website (<https://www.apostille.org/>).

Legalization

Legalization refers to a document issued with correct stamps or certificates to be recognized in another country. It is an almost identical process to Apostille but countries that are not members of The Hague Convention need a legalization process. The validity of Legalization is just the same as Apostille. The documents should be certified by the Embassy of Korea in the applicant's country after certification from relevant ministries (education or foreign affairs).

■ Application Method

Step	KOICA Documents	PKNU Documents
1	<ul style="list-style-type: none"> KOICA documents should be sent to the regional KOICA office or the relevant government office. 	<ul style="list-style-type: none"> PKNU documents should be scanned and made into PDF files. If there are more than one PDF file, all files should be compressed as a ZIP file.
2		<ul style="list-style-type: none"> PDF files or a ZIP file should be sent to koica_pknu@naver.com.
3		<ul style="list-style-type: none"> When the scanned documents are successfully received, the applicant is notified of the completion of the document receipt via email from PKNU.
4	<ul style="list-style-type: none"> An original copy of KOICA document should be submitted to the regional KOICA office or the relevant government office with a sealed envelope for your privacy protection. Medical check-up for the applicant who passes the interview 	<ul style="list-style-type: none"> The original PKNU documents should be sent to the regional KOICA office or the relevant government office with the sealed envelope for your privacy protection <u>till the end of local medical checkup</u>. After the medical checkup, an original copy should be handed into PKNU directly by the applicant.
5		<ul style="list-style-type: none"> The final participant must submit scanned certificate of bachelor's degree and transcript legalized by the Embassy of Korea in the participant's country or apostille to the PKNU email (koica_pknu@naver.com) for issuance of certificate of admission. <u>It is impossible to issue the certificate of admission without legalized documents.</u>
6		<ul style="list-style-type: none"> The original legalized documents should be submitted to PKNU when the participant arrives at PKNU. <u>If the submission of the original legalized documents fails, the admission is subject to be canceled.</u>

■ Required documents

KOICA Documents

- ▷ KOICA documents should be submitted to the regional KOICA Office or the relevant government office.
- ▷ An original copy of the document should be submitted to the regional KOICA office or the relevant government office with a sealed envelope for your privacy protection.
 - 1) KOICA Application Form
 - 2) An Official Recommendation Letter (or a referral) from the government of the applicant
 - 3) A Scanned copy of the Applicant's Passport (please check the expiration date).

Pukyong National University Documents

- ▷ University documents should be submitted to an official email, koica_pknu@naver.com, by the deadline.
- ▷ Name and date of birth on the application must be the same as on the passport.
- ▷ All forms must be typed in English (not in italics) and all certificates must be written in English. The certificates in any other language must be accompanied by a notarized English translation (Certificate without English translation is not accepted.).
- ▷ If any of the submitted documents contain false information, admission is rescinded.
- ▷ Applicant should take full responsibility for any disadvantage due to his or her mistakes or omissions in the application.
- ▷ Extra evaluation points will be given to the applicant who submits all documents that perfectly match the submission conditions.

No	Required Documents
1	A document checklist [PKNU Form 1]
2	A PKNU application form [PKNU Form 2] ※Type in English and print out. Handwriting is not acceptable.
3	A letter of recommendation [PKNU Form 3] ※One of the recommenders must be an applicant's superior affiliated with the same organization.
4	A written pledge [PKNU Form 4]
5	A personal statement [PKNU Form 5]
6	A research proposal [PKNU Form 6]

7	<p>A certificate of Bachelor's Degree (in English)</p> <p>※Title of degree, department name, and the name of undergraduate institution must be specified.</p> <p>※A notarized English translation must accompany the certificates in any other language. Certificate without English translation is not accepted.</p>
8	<p>An official transcript from an undergraduate institution (in English)</p> <p>※Title of degree, department name, subjects, total credits, and GPA must be specified.</p> <p>※A notarized English translation must accompany the certificates in any other language. Certificate without English translation is not accepted.</p>
9	<p>A copy of the passport</p>
10	<p>A curriculum vitae</p> <p>※ Write about the applicant's professional experiences (awards, training, presentations, various techniques, hobbies and so on) not mentioned in the PKNU forms (2-6).</p>
11	<p>A certificate of employment (in English)</p> <p>※Current position, employment type, and employment date must be specified.</p> <p>※Certificate must be issued within one month of the application deadline.</p> <p>※A notarized English translation must accompany the certificates in any other language. Certificate without English translation is not accepted.</p>
12	<p>A Doctor's opinion paper about health check-up review (in English)</p> <p>※Tests: Pulmonary tuberculosis, HIV and pregnancy for a woman</p>
13	<p>A certificate of English proficiency (if applicable)</p> <p>※TOEFL (PBT/CBT/IBT), IELTS, and TOEIC are accepted.</p> <p>※Submission of this certificate is not compulsory. However, extra evaluation points will be given if the applicant has a certificate of above IBT 90, IELTS 6.5 and TOEIC 800 or higher.</p>

*** (Required) KOICA documents and PKNU documents must be sealed separately and original copy should be submitted.**

III. PROGRAM CONTENTS

1. ACADEMIC SCHEDULE

A. REGULAR SEMESTER

- Quaternary semester system: 2023 fall, 2024 spring, and 2024 fall semesters
- Quaternary session system: 2023 winter and 2024 summer sessions
- If a candidate selects a Thesis Track as a graduation type.
 - Preparing the Master's thesis under the guidance of the thesis advisor for a year
 - Strong encouragement will be given by the thesis advisory committee to complete the Master's thesis before leaving Korea

B. REVIEW & REPARATORY SESSION: JANUARY 2024

- Non-credit session
- Review of the courses opened in the 2023-Fall semester
- Introduction to the courses opened in the 2024-Spring semester and academic advisor's research fields

◆ PKNU Academic Calendar, 2023~2025 ◆

Session	Date	Academic Schedule
2023 Preparatory Session	Aug. 16, 2023	Arrival in Korea
	Aug. 17 ~ 19	KOICA Orientation and Arrival in PKNU & Check-in Dormitory <i>The schedule above is tentative due to the spread of COVID-19</i>
	Aug. 21	Program Orientation & Campus Tour
	Aug. 28	Assigning Academic Advisor and Laboratory
	Aug. 30	University Orientation
2023 Fall Semester	Sep. 1	The 2023 Fall Semester begins
	Sep. 1 ~ 7	Course Registration for the 2023 Fall Semester
	Sep. 1 ~ Dec. 20	Basic Korean Class (1)
	Sep. 28 ~ 30	Chuseok (Korean Thanksgiving Day) (national holiday)
	Oct. 3	National Foundation Day (national holiday)
	Oct. 9	Hangul Proclamation Day (national holiday)
	Oct. 20 ~ 26	Mid-term Exams
	Oct. 31 ~ Nov. 4	Onboarding Training <i>The schedule above is tentative.</i>
	Nov. 15 ~ 17	Course Registration for the 2023 Winter Session
	Dec. 14 ~ 20	Final Exams
	Dec. 20	2023 Fall Semester Ends
2023 Winter Session	Dec. 21 ~ Jan. 12, 2024	Winter Session begins
	Dec. 29	Essay Test & Submission of Tentative Thesis Plan

Session	Date	Academic Schedule
	Jan. 1	New Year's Day (national holiday)
	Jan. 2 ~ Feb. 9	Intensive Korean Class
	Jan. 13 ~ 26	Review & Preparatory Session
	Feb. 5 ~ 7	Course Registration for the 2023 Spring Semester
	Feb. 9 ~ 12	Lunar New Year's Day (national holiday)
	Feb. 28	Submission of the 1 st Thesis Progress Report
2024 Spring Semester	Mar. 1	Independence Movement Holyday (national holiday)
	Mar. 4	The 2023 Spring Semester begins
	Mar. 4 ~ 8	Drop/Add Period of Course Registration
	Apr. 22 ~ 26	Mid-term Exams
	May. 5	Children's Day (national holiday)
	May. 15	Buddha's Birthday (national holiday)
	Jun. 6	Memorial Day (national holiday)
	Jun. 19 ~ 21	Final Exams
	Jun. 30	Submission of the 2 nd Thesis Progress Report
2024 Summer Session	Aug. 7 ~ 9	Course Registration for the 2023 Fall Semester
	Aug. 15	National Liberation Day (national holiday)
	Aug. 27 ~ 30	Registration of Graduate Qualifying Examination
2024 Fall Semester	Sep. 1	The 2024 Fall Semester begins
	Sep. 9 ~ 14	Graduate Qualifying Exam
	Sep. 16 ~ 18	Chuseok (Korean Thanksgiving Day) (national holiday)
	Oct. 3	National Foundation Day (national holiday)
	Oct. 8 ~ 11	Dissertation Registration of Master's Degree
	Oct. 9	Hangul Proclamation Day (national holiday)
	Oct. 28 ~ Nov. 29	Oral Presentation of Master's Degree
	Dec. 6	Submission of Dissertation Report for Master's Degree
	Dec. 11 ~ 13	Publication of Master's Thesis
	Dec. 16	Completion Ceremony
	Dec. 20	Leave Busan
	Jan. 13, 2025	Submission of Final Thesis Publication
	Feb. 14	Date of Official Graduation

※ The above schedule is subject to change. A detailed program schedule will be provided upon arrival.

2. CURRICULUM

A. CURRICULUM AND CREDITS

- There are two graduation requirements for the Master's Degree Program. First, the **Thesis Track** requires participants to complete **at least 24 credits and a thesis.** Second, **Non-Thesis Track** requires participants to complete **at least 30 credits and a project proposal (Action Plan or PCP).**

Semester/ Session	Credits		
	Required	Elective	Total
2023 Fall Semester	0	12	12
2023 Winter Session	0	3	3
2024 Spring Semester	0	12	12
2024 Summer Session	0	0	0
2024 Fall Semester	1	2	3
Sum	1	29	30

Type	2023 Preparatory Session
Non-Credit (P/NP)	Learning primary subjects, Fundamental research of fisheries science
Non-Curricular Activities	Lab Tours, Visits to Factory or Research Institute

Type	2023 Fall Semester	
	Subject	Credit
Required (Non-Credit)	Basic Korean (1)	P/NP
Elective (12 Credits)	Marine Environment Research	3
	Finfish Aquaculture and Eco-friendly Fish Culture System	3
	Fisheries Physiology	3
	Sensory Evaluation & Statistics	3
	Newer Food Design	3
	Marine GIS & Information Processing	3
	Fisheries Economics & Management	3
Non-Curricular Activities	Academic Conference, Field Study (Visits to Factories, Aquaculture Farms and Research Institutes), Onboard Training	

Type	2023 Winter Session	
	Subject	Credit
Required (Non-Credit)	Intensive Korean Course	P/NP
Elective (3 Credits)	Fisheries Topics	3
Special Lecture	TBA	
Non-Curricular Activities	Field Study (Visits to Factory, Aquaculture Farms, and Research Institutes)	

Type	2024 Spring Semester	
	Subject	Credit
Required (Non-Credit)	Basic Korean (2)	P/NP
Elective (12 Credits)	Fish Nutrition & Feed Formulation	3
	Alga Culture & Utilization	3
	Fish Disease	3
	Fisheries Byproducts Utilization	3
	Seafood Safety Control	3
	Fisheries Resource Assessment & Management	3
	Fisheries Investment Appraisal	3
	Fisheries Policy & Governance	3
Non-Curricular Activities	Academic Conference and Field Study (Visits to Factory, Aquaculture Farms, and Research Institutes)	

Type	2024 Summer Session	
Non-Curricular Activities	Field Studies (Visits to Factory, Aquaculture Farms, and Research Institutes)	

Type	2024 Fall Semester	
	Subject	Credit
Required (Non-Credit)	Understanding of Korean Culture	P/NP
Required (1 Credit)	Thesis Research	1
Elective (2 Credits)	Seminar 1, Field Seminar 1	1
Required (Non-Credit)	Graduate Qualifying Examination	P/NP

◆ Description of Units ◆

Subject	Professor	Description
Marine Environment Research	PARK Wongyu	To conduct scientific research and investigation on fisheries resources and the safe operation of fishing vessels.
Finfish Aquaculture & Eco-friendly Fish Culture System	Park Jeonghwan	To understand the concepts of fish culture and the relationship between fish culture and its environment for environmentally and economically sustainable aquaculture.
Fisheries Physiology	KIM Hyun-Woo	To understand the essential physiological characteristics of economically critical aquatic species and to apply acquired knowledge for the aquaculture industry, including homeostasis, metabolism, endocrine system, and biotechnology related to fisheries science.
Sensory Evaluation & Statistics	LEE Yang Bong	To understand the theories and methods of sensory evaluation for food and fisheries products and to determine their quality by using a statistical program.
Newer Food Design	TBA	To improve a dietary life by teaching physical and chemical knowledge of food components, food interaction, and modification in cooking, processing or storage.

Subject	Professor	Description
Marine GIS & Information Processing	SHIN Hyeon-Ok	To learn the knowledge for the global marine geographic information system (GIS), especially the Atlantic area, Pacific area and Northeast Pacific area and the key function of biotelemetry, and to enhance the ability of information processing related to the fisheries with the ArcGIS software.
Fisheries Economics & Management	NAM Jong Oh	To understand the theory of economic exploitation of living resources dealing with two dynamic systems; population dynamics and the dynamics of economic system.
Fisheries Topics	TBA	To focus on special topics of current importance in fisheries science.
Fish Nutrition & Feed Formulation	BAI Sungchul C.	To understand the basic concepts of fish feed nutrition and feed processing technology including the classification of Nutrients and their metabolism in fish, the relationship between foods (including feeds) and nutrition, and aquafeed formulation and manufacturing.
Algal Culture & Utilization	HONG Yong-Ki	To introduce basic biological principles involved in propagating seaweed, and provide an overview of key topics in the fields of seaweed aquaculture, tissue culture, strain improvement, genetic analysis, and biologically active substances from seaweed.
Fish Disease	HUH Min-Do	To help students acquire the basic concept of disease and its occurrence in both fish and lower invertebrates.
Fisheries Byproducts Utilization	TBA	To introduce how to reutilize fisheries byproduct generated in fisheries processing, as useful resources by microbial degradation.
Seafood Safety Control	KIM Young-Mog	To understand the basic principles of food hygiene and relationship between a living body and the effects of poisonous food and microorganisms, and the importance of food safety and establishment of HACCP system in the food factory.
Fisheries Resource Assessment & Management	ZHANG Chang Ik	To understand the basic concept of marine ecosystem, fisheries environment and the integrated ecosystem-based fisheries assessment and management approach.
Fisheries Investment Appraisal	PYO Hee-Dong	To understand the economic evaluation techniques of fisheries project appraisal for the individual/firm and the public sector in developed and developing countries.
Fisheries Policies & Governance	SON Jaehak	To make students know the concept of policy & governance for fisheries, so that they can manage fisheries industry and do policy making (establishing, implementing and evaluating fisheries policies). In this regard, the international and domestic trends of the fisheries policies and governance can be reviewed and discussed.
Thesis Research	Designated thesis advisor	To conduct research for the master's thesis and writing of the thesis under the supervision of a faculty member.

B. ACADEMIC SYSTEM

1) ACADEMIC YEAR

- The academic year consists of three semesters (1 Spring and 2 Falls) and two seasonal sessions (Summer and Winter).
- Semester: 15-16 weeks (Spring: from early March to mid-June; Fall: from early September to mid-December)
- Seasonal session: 17 days

2) CREDIT REGISTRATION

- Semester: maximum 12 credits
- Seasonal session: maximum 3 credits
- Assessment: mid-term and final exam, assignments, attendance and special exam for a subject
- Credit system

Grade	A+	A0	B+	B0	C+	C0	D+	D0	F
Point	100–95	94–90	89–85	84–80	79–75	74–70	69–65	64–60	59–0
GPA	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.0

3) CLASS ATTENDANCE AND PARTICIPATION

- Class attendance is compulsory to earn good academic scores. Lecturers will record your attendance to evaluate your academic scores with other assessment criteria at the end of the semester/session.
- In addition, participation in lectures is also an important part of university academic life.
- Most lecturers often engage in discussions. So, fresh ideas can be discussed and opinions can be exchanged. Lecturers take note of students' positive participation as valuable and everyone is encouraged to express his or her views.

C. TITLE OF DEGREE

This is a Master's Degree Program in Fisheries Science. Master candidates who complete the graduation requirement for Thesis Track (at least 24 credits and a thesis) or Non-Thesis Track (at least 30 credits and a project proposal) will be granted the degree. The title of the degree is **Master of Fisheries Science**.



D. MEDIA AND METHODS OF INSTRUCTION

English is the medium of instruction. Not only the courses but all academic affairs will be conducted in English. Students do not need any prior knowledge of the Korean language. Students can complete all their requirements for graduation within 17 months. Courses are designed to ensure that students gain practical expertise. Participatory teaching methods will be fully utilized. Diverse methods such as experiments, simulations, debates and case studies will be employed to enhance problem-solving ability.

E. GRADUATION REQUIREMENTS

1) CREDIT AND GPA

- Minimum grade in each course: **C0**
※ Anything below C0 will not be considered a passing grade.
- Minimum cumulative GPA for graduation: **B0** (3.0/4.5)

2) GRADUATE-QUALIFYING EXAMINATION

- Exam subjects: **Three** courses that students should pass in all sessions
- Minimum score for graduation: **70 out of 100** for each exam subject
※ Only one additional make-up exam might be possible only if the chairperson of IGFS approves.

3) GRADUATION TYPE

- **Thesis Track:** at least 24 credits and a thesis
- **Non-Thesis Track:** at least 30 credits and a project proposal (Action Plan or PCP)
 - ✧ *Students should choose one of the two graduation types with an academic advisor after the 2022 fall semester.*

4) THESIS

✧ *The grade for a thesis is “Pass” or “Fail”.*

▪ **Students of the Thesis Track should:**

- Select a tentative thesis advisor and confirm graduation type as thesis type during the 1st semester
- Register for the master's thesis research course during the 3rd semester
- Submit their thesis to the Thesis Advisory Committee (TAC) and the Dean of the Graduate School of Global Fisheries at least one week before the defense date
- Successfully defend their thesis to the TAC members during the 3rd semester

▪ **Thesis Advisors should:**

- Be full-time faculty members of PKNU or someone with a Ph. D. in the relevant research field
- Organize two other persons for the TAC, who are faculty members or specialists, to guide the student's thesis
- Appoint one of the TAC members (not the advisor) as a committee chairperson
 - ✧ *Change of TAC may be possible with the approval of the Dean of the Graduate School of Global Fisheries.*

▪ **Thesis Advisory Committee (TAC) should:**

- Formally communicate all the procedures for completing thesis projects
- Inform the graduate candidate of the evaluation progress of the thesis
- Report the result of the defense to the Dean of the Graduate School of Global Fisheries within a week after the defense
- Make a decision for approval of the degree and report to the President of PKNU
 - ✧ *The Graduation committee can withdraw the degree if serious theoretical or ethical problems are found in the thesis.*

3. EXTRACURRICULAR ACTIVITIES (TENTATIVE)

1. Research Institutions and Industrial Sectors: Fisheries Related Institutions (NIFS, KMI, KIOST, GFSRI, FIRA, etc.), Aquaculture Farms, Seafood Processing Factories, Feed Processing Factory, etc.



2. Public Administration Sectors: Ministry of Ocean and Fisheries, Busan Port Authority, East Sea Fisheries Management Service, etc.



3. Conference and Exhibition: World Ocean Forum, Busan International Seafood and Fisheries Expo, Korean Society of Fisheries and Aquatic Science, Korea National Maritime Museum, Whale Culture Zone, etc.
4. Onboard Training: Training Ship Baekyong (3,997ton) and Research Vessel NARA (1,494 ton)



5. Cultural and Exposition Places: UN Park, Chungyeolsa Shrine, National Gugak Center, Busan Folklore Conservation Association, etc.

IV. TRAINING INSTITUTE

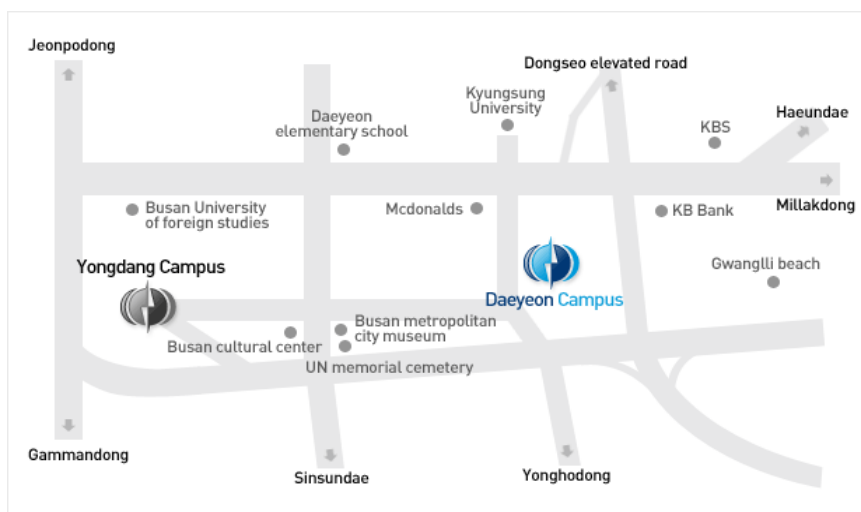
1. GENERAL INFORMATION

A. PUKYONG NATIONAL UNIVERSITY (PKNU)

Pukyong National University (PKNU) has been evaluated as the best university for undergraduate education by successfully unifying two local national universities for the first time in Korea. Looking back at the educational histories of these two universities (National Fisheries University of Busan and Busan National University of Technology), it has been more than 80 years since their inception. PKNU has 60 departments and 15 interdisciplinary programs for master's degree courses, 56 departments and 12 interdisciplinary programs for doctorate degree courses.

PKNU's new goal is to be a member of the top 100 global universities. We are also planning to support the development of promising new academic areas and help improve the levels of specialized research projects in at least three fields of study to be among the top 10 in the global ranks. We will, furthermore, develop a more extensive global educational network. It gives our students numerous opportunities to discover and realize their potential as globally competent human resources. Under the support of student exchange programs, they will be able to learn new things from foreign research content and able to experience diverse exotic cultures in other countries. At the same time, we will continue to encourage highly qualified international students to come to study here with us and try to develop a curriculum to meet their academic needs.





Address

- **DAEYEON CAMPUS:** 45 Yongso-ro, Nam-gu, Busan 48513, Republic of Korea
- **YONGDANG CAMPUS:** 365 Sinseon-ro, Nam-gu, Busan 48547, Republic of Korea
- **Website:** www.pknu.ac.kr

B. KOICA-PKNU IGFS

Since 2007, short-term (1 to 3 months) training programs have been administered by the Overseas Fisheries Cooperation Center (OFCC) at Pukyong National University (funded by KOICA and the Ministry of Knowledge Economy). As of 2009, 65 fisheries officials and researchers from 19 African nations had been trained to develop fisheries technology and business. Of the remarkable success of the short-term programs, a more specialized Master's Degree Program was instituted. Accordingly, the KOICA-PKNU International Graduate Program of Fisheries Science (KOICA-PKNU IGFS) was established and opened in the fall of 2010. KOICA-PKNU IGFS education aims to bring up experts in fisheries-related fields who are equipped with core skills, practicable expertise, problem-solving ability, international awareness, and visions. The success of KOICA-PKNU IGFS will result in the development of fishery resources unutilized in developing countries for mutual benefits under the exchange of skilled technical knowledge and manpower.

- **Address:** KOICA-PKNU IGFS office, Pukyong National University, 45 Yongso-ro, Nam-gu, Busan, 48513, Republic of Korea
- **Website:** www.gsgf-k.pknu.ac.kr
- **Facebook:** @KOICA.PKNU

2. ACCOMMODATION

The dormitory at each campus (Daeyeon Campus and Yongdang Campus) of the University provides an opportunity to live in a comfortable, secure and well-managed environment. It has a central heating system, cafeterias, computer room, laundrettes and lounge areas. Each room is fully furnished, but a participant has to bring his/her own linen, towel, slippers, and other things that he/she may need. **The room will be occupied by single or double,** and each room is furnished with a bed, a desk and a cabinet. Also, each room comes with a private shower/lavatory room, a phone, wired and wireless LAN and an air conditioner. In addition, there are two common laundry rooms in the dormitory basement (B1). There are several coin washing machines. For long-distance and international calls, it is better (cheaper) to use pre-paid phones with calling cards that participants can buy at the convenience stores on campus. It is prohibited to cook and to use electric heating appliances (cooker, heater, iron, kettle, etc.) in the room because of fire risk. The Dormitory offers basic meals during the 17-month stay period. **However, halal foods are not offered** because of the small meal unit. The dormitory always offers eggs, fish and vegetables for Muslim participants. **If the participant fails to provide proof of being fully vaccinated against COVID-19, he or she cannot reside in the dormitory. Only a WHO-certified vaccination is accepted.**

- **Address:** Sejong-Gwan 1, Pukyong National University, 45 Yongso-ro, Nam-gu, Busan, 48513, Republic of Korea (Tel. +82-51-629-6731)



•Daeyeon Campus <Sejong-Gwan 1>

Bldg No.	Accommodation	No. of Rooms	Accommodated persons	Remark	Opened in
A Bldg	Single room	22	22	Female	2009
	Double room	392	784	Female	2009
B Bldg	Single room	46	46	Male	2009
	Double room	390	780	Male	2009
Total		850	1,632	Females - 806; Males - 826	



•Daeyeon Campus <Sejong-Gwan 2>

Bldg No.	Accommodation	No. of Rooms	Accommodated persons	Remark	Opened in
A Bldg	Single room	17	17	Female	2016
	Double room	255	510	Female	2016
B Bldg	Single room	37	37	Male	2016
	Double room	216	432	Male	2016
Total		525	966	Females - 527; Males - 469	

•Yongdang Campus <Kwangeto-Gwan>

Bldg No.	Accommodation	No. of Rooms	Accommodated persons	Remark	Opened in
A Bldg	Single room	15	15	Male	2004
	Double room	140	280	Male	2004
B Bldg	Single room	36	72	Female	2007
	Double room	70	140	Female	2007
Total		261	507	Females - 212; Males - 295	

3. OTHER INFORMATION

A. AFFILIATED FACILITIES

• FISHERIES SCIENCE RESEARCH ORGANIZATION

The Fisheries Science Research Organization is a research and development unit with strong capabilities in marine science and technology, culture of aquatic plants and animals, development of seafood products and policy development. It consists of eleven major research institutes.

- Institute of Fisheries Sciences
- Institute of Polar Resource Research
- Feeds and Foods Nutrition Research Center
- Fisheries Science and Technology Center (FSTC)
- Institute of Aquatic Life Medicine
- Research Institute of Marine Fisheries Education
- Institute of Food Science
- Institute of Low-Carbon Marine Production Technology
- Marine Industry Policy Research Institute
- Institute of Marine Life Science
- Institute for Marine Living Modified Organisms



• FISH HOSPITAL

The Fish Hospital of Pukyong National University was established in 2009 as aquatic life general hospital for respect for life , love of nature and fisheries development. The Fish hospital provides the following services: aquatic life disease diagnosis, harmful materials assay, and medicinal effects assay. The fish hospital is trying to provide excellent medical services.

- **TRAINING SHIP MANAGEMENT CENTER**

The Training Ship Management Center aims to assist the fisheries and ocean department students with optimally conditioned on-board training and research in cultivating them as professional sea men and technicians and keeping efficient management of training ship BAEK-KYUNG and research vessel NARA.



- **TRAINING CENTER FOR FISHERIES AND MARINE SCIENCE**

The Training Center for Fisheries and Marine Science is an educational laboratory to provide university members with practical facilities and programs required in fisheries science. Major activities of the center are focused on R&D on a variety of aquaculture technology and food processing from marine resources. The center also supports many interdisciplinary programs for student education and cooperative research between university and industry.

- **Aquaculture Farm**

The Fish Farm on the university campus is used for education and research on freshwater fish culture including genetics, nutrition, and aquaculture engineering. The closed recirculating water system and still water ponds cover around 6,000 m² water surface on a total site of 11,000 m².



- **Food Processing Factory**

The Food Processing Factory is equipped with processing lines for canned food and fish cakes (including fish sausage), a refrigeration and cold storage system, equipment for dehydration, drying, and other purposes.



B. CAMPUS LIFE

1) Student ID Card

KOICA-PKNU IGFS will assist you in filling out forms to obtain a student ID card. It can take up to three weeks to process your ID cards. Once you have it, you can enter the university library and access all public university facilities.

2) Library

There are five libraries (the Central Library, Engineering Library, Architecture Library, Humanity Library and Study Library) on the Daeyeon and Yongdang campuses and each of them is separately managed. You will be able to make full use of the libraries, such as checking the availability of materials on the library computer system, photocopying, reservations and inter-library loan services. The library opens on a daily basis except for Saturdays, Sundays, national holidays and University Foundation Day. You need a student ID card to enter the library and to borrow books and other materials. Their website is <https://libweb.pknu.ac.kr> and has extensive information. You can use your ID card to borrow and extend the due date of books through the website.



3) Transportation

- **Shuttle Bus:** Daeyeon Campus ⇄ Yongdang Campus
- **Busan Public Transfer System**
 - Transportation card offers a transfer discount.
 - Transfer discount is available within 30 minutes of disembarkment.
 - Transfer discount is available between bus to bus, bus to metro and metro to bus.
 - There is no discount for the same number of bus transfers.
- **Busan Metro (Subway):** Fare is based on each moveable section (December 2022)

Section	Transportation Card	General Boarding Ticket
1	KRW 1,300	KRW 1,400
2	KRW 1,500	KRW 1,600

•Fares Effective of Public Bus

(December 2022)

Type	Transportation Card	Cash
Intra-city Bus	KRW 1,200	KRW 1,300
Express Bus	KRW 1,700	KRW 1,800



▪ Taxi

- Basic rate: KRW 3,800 (within 2 km) (December 2022)
- The rate increases by distance and time.
- There is a surcharge (20%) from 12 a.m. to 4 a.m.

▪ How to get to the PKNU

- ① From Gimhae International Airport
 - Metro: Take [Busan Gimhae Light Rail Transit] ⇒ Get off “Sasang Station” and Transfer to [Line 2: Toward Jangsan] ⇒ Get off “Kyungsung Univ./ Pukyong Nat’l Univ. Station”
- ② From Busan Railroad Station (Busan KTX Station)
 - Metro: Take [Line 1: Toward Nopo] ⇒ Get off “Seomyeon Station” and Transfer to [Line 2: Toward Jangsan] ⇒ Get off “Kyungsung Univ./ Pukyong Nat’l Univ. Station”
 - Bus: Get on [Bus No. 27] in front of Busan Railroad Station ⇒ Get off “Pukyong Nat’l University Station”
- ③ From Busan West Bus Terminal (Sasang Bus Terminal)
 - Metro: Take [Line 2: Toward Jangsan] ⇒ Get off “Kyungsung Univ./ Pukyong Nat’l Univ. Station”
- ④ From Busan Central Bus Terminal (Nopo Bus Terminal)
 - Meter: Take [Line 1: Toward Sinpyeong] ⇒ Get off “Seomyeon Station” and Transfer to [Line 2: Toward Jangsan] ⇒ Get off “Kyungsung Univ./ Pukyong Nat’l Univ. Station”

4) Health Care

▪ Health Care at the PKNU

Health Clinic Center is located in the student union building, 2nd floor. The Health Clinic Center provides basic but important health services. The staff of the Center is dedicated to providing medical services including free checkups (Hepatitis B and 22 other kinds) each semester, first aid, health consultations, medication and treatment in case of sickness or injury. Dental care and treatment are available on Tuesdays and Thursdays at a low price (A professional doctor will be in the clinic twice a week). If you would like to use the service, you need to book in advance.

Website: <http://myweb.pknu.ac.kr/health>

▪ Local Hospital near the PKNU

Level	Medical Department	Name of Hospital	Address	Distance from PKNU (① on foot, ② by bus, ③ by taxi (KRW))
General Hospital	<ul style="list-style-type: none"> - General Surgery - Internal Medicine - Gynecology - Urology - Dermatology - Otolaryngology - Ophthalmology - Dentistry 	Good Gang-an Hospital	40-1 Namcheon-dong Suyeong-gu, Busan (Tel. 051-625-0900)	① 37 min ② 23 min ③ 6 min (3,800)
		Busan St. Mary's Medical Center	25-14, Yongho-ro 232 beon-gil, Nam-gu, Busan (Tel. 051-933-7114)	① 51 min ② 26 min ③ 10 min (6,400)
Hospital	<ul style="list-style-type: none"> - Internal Medicine - Neurology - Orthopedics 	Busan Korea Hospital	238, Suyeong-ro, Nam-gu, Busan (Tel. 051-930-3000)	① 21 min ② 18 min ③ 9 min (4,500)
	<ul style="list-style-type: none"> - Internal Medicine - Orthopedics 	Metro Hospital	24-5 Namcheon-dong, Suyeon-gu, Busan (Tel. 051-626-0250)	① 20 min ② 15 min ③ 3 min (3,800)
	Gynecology	Hannah Women's Hospital	304, Namcheon-dong, Suyeong-gu, Busan (Tel. 051-625-2300)	① 15 min ② 20 min ③ 3 min (3,800)
Basic Clinic	Otolaryngology	Bareun Otolaryngology	73-1, Daeyeon-dong, Nam-gu, Busan (Tel. 051-611-8558)	① 13 min ② 5 min ③ 3 min (3,800)
		Sumizi Otolaryngology	72-23, Daeyeon-dong, Nam-gu, Busan (Tel. 051-612-8058)	① 15 min ② 5 min ③ 3 min (3,800)
	Internal Medicine	Dr. Kim's Internal Medicine Clinic (KIM Bo Suk)	42-1 Namcheon-dong, Suyeong-gu, Busan (Tel. 051-626-8575)	① 20 min ② 14 min ③ 3 min (3,800)
		Jo gi-jung Internal Medicine Clinic	73-11 Daeyeon-dong, Nam-gu, Busan (Tel. 051-257-8828)	① 18 min ② 14 min ③ 3 min (3,800)

Level	Medical Department	Name of Hospital	Address	Distance from PKNU (① on foot, ② by bus, ③ by taxi (KRW))
	Dermatology	Kims Clinic	297 Suyeong-ro, Nam-gu, Busan (Tel. 051-611-9999)	① 18 min ② 5 min ③ 3 min (3,800)
	Ophthalmology	Bareunnun Eye Clinic	73-11 Daeyeon-dong, Nam-gu, Busan (Tel. 051-611-4455)	① 18 min ② 5 min ③ 3 min (3,800)
	Dentistry	Soo Boo Boo Dental Clinic	72-7 Daeyeon-dong, Nam-gu, Busan (Tel. 051-628-8020)	① 15 min ② 5 min ③ 4 min (3,800)
	Gynecology	Elle Ob &Gyn	329 Suyeong-ro, Suteong-gu, Busan (Tel. 051-626-8090)	① 20 min ② 18 min ③ 7 min (4,000)
	Urology	Shin Se-jong Clinic	1298-13 Daeyeon-dong, Nam-gu, Busan (Tel. 051-628-8017)	① 27 min ② 16 min ③ 7 min (3,800)

5) Global Lounge

The International Affairs Office of PKNU provides a special space for international students. The room is located on Daeyon Campus, 1st floor of the Dongwon Jang Bogo Hall. International students can use the room freely for group meetings, study and discussion. There are also some books that students can read or borrow for their study. Students can watch the news from their home countries or practice their language skills with the brand-new satellite broadcasting system(<http://oireng.pknu.ac.kr>).

6) Sports Facilities

There are tennis, basketball and football courts and indoor fitness centers located on Daeyeon and Yongdang Campus. The fitness centers are open to registered members only.

7) Cultural Experience Program & International Day

The Cultural Experience Program is a one-day field trip to traditional places in Korea. We offer this program once a semester. Seats are limited, so international students should apply quickly once the notice is posted. Every semester, an International Day is organized by the staff from the International Affairs Office. International students can share not only their ideas for better campus life at the PKNU, but also their impressions of the PKNU life through Q&A time with staff from the International Affairs Office (<http://oireng.pknu.ac.kr>).

8) Free Korean Language Course

The Language Education Center of PKNU provides free 15-week Korean language courses for international students and lecturers. This course teaches students to speak Korean language, grammar, reading, and all other necessary language skills for their campus life.

V. ACADEMIC REGULATIONS

1. ACADEMIC REGULATION

A. ATTENDANCE AND ABSENTEEISM

- 1) No credit will be given to a student who misses more than one-third of class hours without approval.
- 2) Given approval from the program chairperson in advance, the absent class hours can be exempted in the exceptional cases below;
 - Death of an immediate family member (grandparents, parents or siblings) or equivalent circumstance,
 - Academic planning, field trips, on-location training, etc.
 - Participation in seminars or conferences as approved by the program chairperson
 - Other events as approved by the program chairperson,
- 3) In illness or emergency situations, students who are absent for less than three days need to submit written notification of such absence to the program chairperson. For absences longer than three days, students must submit a written diagnosis by a physician.

B. EXAMINATION AND GRADE EVALUATIONS

- 1) Credit and GPA
 - Students must get a minimum **C0** in each course. Anything below C0 will not be considered a passing grade.
 - Students must maintain at minimum **B0**(3.0/4.5) of cumulative GPA
- 2) Regular Examination
 - Regular Exam: Mid-term (7th or 8th week of semester) and Final (last week of the semester)
 - Cheating during examinations is not tolerated. If a student is found cheating during an examination, the student is imposed an "F" and is not allowed any make-up exam.
- 3) Graduate-Qualifying Examination
 - Exam Subject: Three courses that students have taken and passed in any semester.
 - Students must get a minimum of 70 points (out of 100) in each exam subject. Only one additional make-up exam may be allowed, with the approval of the Graduate School Dean.

2. PKNU DORMITORY REGULATION

- ① The PKNU Dormitory has very strict regulations, and all students must abide by them.
- ② **You must reside in the dormitory. Living off-campus is not allowed.**
- ③ A student who violates dormitory regulations will be evicted from the dormitory.
- ④ Neither smoking nor drinking alcohol is allowed in the building.
- ⑤ Cooking in the dormitory is prohibited due to safety reasons. However, the dormitory offers basic meals to all students during their 17 months of stay.
- ⑥ If a student receives more than 5 penalty points according to the dormitory regulation, he or she will be expelled from the dormitory, and return to his or her home country.

◇ Dormitory Restrictions and Penalty Policy ◇

Penalty Subjects	Penalty								
Students who <ul style="list-style-type: none"> • Disobey dormitory instructions or use verbal/physical violence against the staff • Cause fire in the dormitory • Steal or intend to steal someone's newspaper/magazine/posted letters/parcel etc. • Stay or let others stay in the dormitory by illegally transferring Entrance Card 	Permanent Expulsion from Dormitory								
Students who <ul style="list-style-type: none"> • Smoke in the room or inside the buildings • Accompany outsiders inside the dormitory and provide lodgings • Accompany the opposite sex in their room without permission • Gamble, get drunk, assault and make disturbances under influence (stupor, noise) in the dormitory • Cook or do related activities in the room 	5 points (Expelled)								
Students who <ul style="list-style-type: none"> • Bring in flammable objects into the dormitory • Banned objects <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Classification</th> <th style="text-align: center;">Items</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Flammable articles</td> <td>All Types of Heaters (Electric Pads, Heat Fans, Stoves, Iron, Butane gas, Thinners, Gasoline, etc.)</td> </tr> <tr> <td style="text-align: center;">All types of cooking equipment</td> <td>Electric Rice Cooker, Coffee Pot, Hot plate, Microwave, Gas burner, Oven, etc.</td> </tr> <tr> <td style="text-align: center;">Bothersome items</td> <td>Alcoholic Beverages, Pornography, Gambling Items</td> </tr> </tbody> </table> <p>※ <i>Living necessities (chargers, hair dryer, electronic shavers, etc.) are allowed.</i></p> Students who <ul style="list-style-type: none"> • Do not use the designated entrance or abet such actions <ul style="list-style-type: none"> - Use the exit door of the cafeteria or the emergency entrance - Try to make alterations to the entrance door arbitrarily • Abet entrance of strangers to the dormitory or accompany strangers in the dormitory 	Classification	Items	Flammable articles	All Types of Heaters (Electric Pads, Heat Fans, Stoves, Iron, Butane gas, Thinners, Gasoline, etc.)	All types of cooking equipment	Electric Rice Cooker, Coffee Pot, Hot plate, Microwave, Gas burner, Oven, etc.	Bothersome items	Alcoholic Beverages, Pornography, Gambling Items	4 points
Classification	Items								
Flammable articles	All Types of Heaters (Electric Pads, Heat Fans, Stoves, Iron, Butane gas, Thinners, Gasoline, etc.)								
All types of cooking equipment	Electric Rice Cooker, Coffee Pot, Hot plate, Microwave, Gas burner, Oven, etc.								
Bothersome items	Alcoholic Beverages, Pornography, Gambling Items								

Penalty Subjects	Penalty
<p>Students who</p> <ul style="list-style-type: none"> • Violate the dormitory administrative instructions <ul style="list-style-type: none"> - Change the assigned rooms without the permission of the administration - Checked out without returning the card keys - Do not follow the instructions of the dormitory administration • Deliberately vandalize or arbitrarily change the place of public articles and in-room furniture (cleaning tools, fire extinguishers, sofa, etc.) • Scribble or post unauthorized banners/placards/posters/ads without permission from the administration • Let outsiders use the cafeteria by lending card keys or accompanying outsiders • Behave in a way that harms the image and reputation of the dormitory 	3 points
<p>Students who</p> <ul style="list-style-type: none"> • Do activities that are not suitable for community life or are harmful to others by; <ul style="list-style-type: none"> - Making excessive noise - Bringing or breeding pets into the dormitory • Sleep outside without informing the dormitory officials • Harm the customs of the dormitory or display the following behavior <ul style="list-style-type: none"> - Spit in the dormitory area - Litter in the dormitory area - Engage in sexual/physical misconduct, act in an inappropriate way against public ethics - Smoke in the dormitory area - Do not take off shoes in the room • Disturb others while using the internet <ul style="list-style-type: none"> - Use others' IP addresses, spread malicious codes, spread false information 	2 points
<p>Students who</p> <ul style="list-style-type: none"> • Do not keep their rooms clean and organized <ul style="list-style-type: none"> - Do not keep personal belongings organized and are negligent of piled trash - Do not follow hygiene by not ventilating the room regularly and keeping the room clean • Violate the normal curfew hours <ul style="list-style-type: none"> ※ <i>Those who submit explanation letters and receive permission are exempted.</i> • Leave the room without turning off the air conditioner, water, heater, TV, PC, etc. • Be absent at orientation or official roll call without permission • Park bicycles or motorcycles in unauthorized areas and breach orders 	1 point

※ Besides the regulations above, if actions that fall under the category of violating dormitory instructions or residency are assumed irresponsible, penalties may be imposed at the Director's discretion (upon suggestion from the council)

VI. PRECAUTIONS

1. **Possibility of Online Program:** According to arising circumstances due to the spread of COVID-19 and public health regulations thereof, the academic program within this PI may be switched online. In accordance with academic regulations of each training institute, blended learning (or hybrid learning, a combination of online and face-to-face learning) may be implemented, including pre-sessions.
 - In principle, even when the academic program is conducted online, participants must be physically present in Korea to participate (cannot participate in the program online from home country or outside Korea).
2. **Early Departure:** Due to various circumstances such as no flights operating or border closures, participants may be required to depart Korea before the program end date.
 - In such cases, part of the academic curriculum, thesis defense, or closing ceremony may be conducted online.
3. **Living Costs:** In principle, costs of living are provided per diem; that is, participants receive living costs per diem based on the actual date of departure.
 - In case of early departure, living costs are received per diem based on the date of early departure, and NOT the anticipated departure date or program end date
4. **COVID-19 Test Fees:** The costs of COVID-19 testing required by quarantine regulations during the departure and arrival process are first incurred by the participant and later reimbursed via the Settlement Allowance and Scholarship Completion Grants.
5. **Adherence to Entry/Departure Guidelines:** Any additional costs occurring due to the participant's failure to adhere to the entry/departure guidelines are the participant's own responsibility.
 - Example) If the participant fails to provide a COVID-19 PCR test certificate on the date of arrival, or is delayed in arriving at the airport and fails to board the flight, any additional costs occurring thereof (flight change fees, etc.) is to be paid by the participant.
6. **Vaccination requirements:** Participants are to individually check with the training institute on whether vaccination is required and prepare accordingly; any disadvantages following are the participant's own responsibility.
 - Example) If the participant fails to provide a proof of a WHO-certified vaccination and cannot check into the university dormitory, the participant will be responsible to find accommodation for him/herself (accommodation fees are supported in the amount corresponding to the dormitory fees).
7. **Check-in to Dormitory:** In principle, dormitory check-in is required of program participants.
8. **Religious meals & personal food preferences:** Religious meals and personal food preferences are not provided during the scholarship program nor the self-quarantine period following entry to Korea. For further information, check the university guidelines (if necessary, personal fees may be incurred)
9. **Regulatory Compliance:** KOICA SP participants should observe KOICA CIAT Fellows' Guidebook and University internal rules and regulations, otherwise the participant would lose one's status as SP participants and a university student.

Ⅶ. CONTACTS

1. CONTACT INFORMATION

1) KOICA-PKNU International Graduate Program of Fisheries Science, Graduate School of Global Fisheries, Pukyong National University

- **Program Chairperson: Prof. Young-Mog KIM**
 - Address: 45 Yongso-ro, Nam-gu, Busan, 48513, Republic of Korea
 - Tel: +82-51-629-5832
 - E-mail: ymkim@pknu.ac.kr
 - Homepage: <http://gsgf-e.pknu.ac.kr>
- **Program Professor: Prof. Kyoungmi KANG**
 - Tel: +82-51-629-6878
 - E-mail: kangkm@pknu.ac.kr
- **Program Coordinator: Ms. Hyeon Jeong JEON**
 - Tel: +82-51-629-6877
 - E-mail: koica_pknu@naver.com

2) General requests regarding application process

- **E-mail: koica.sp@koworks.org**
- **Homepage: <http://www.koica.go.kr/sites/ciat/index.do>**

※ The schedule in PI (Program Information) is changeable according to the KOICA and Pukyong National University's schedules.