



# Cooperation Program for the Training of Human Resources, Under the Global Strategic Partnership Between Mexico-Japan

## General information on International Course on Sustainable Agricultural Development

(持続可能な農業開発)

**JFY 2024**

### Course No.:

**Agricultural Engineering Course: 202312572-J001**

**Environmental Protection Course:202312572-J002**

**Course Period in Japan: From March 25<sup>th</sup>, 2025 to July 19<sup>th</sup>, 2025**

This information pertains to one of the JICA Knowledge Co-Creation Programs (Group & Region Focus) of the Japan International Cooperation Agency (JICA) implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

### JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated, *“In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together.”* JICA believes that this ‘Knowledge Co-Creation Program’ will serve as a foundation of mutual learning process.

# I. Concept

## **Background**

In 1971, the Japan-Mexico Exchange Program has started, which mutually accepts students and young engineers from Mexico and Japan; in February 2010, based on the “Japan-Mexico Joint Statement Strategic Global Partnership in the 21<sup>st</sup> Century<sup>1</sup>”, the Exchange Program was renewed into the Japan-Mexico Training Program for the Strategic Global Partnership. This program contains long-term courses (between three months and twelve months’ period) and short-term courses (less than three months’ period). Currently, JICA accepts 50 Mexicans participants annually under this scheme.

As we celebrate the 50th anniversary of this training program in 2021 with a value added of “Co-creation between Mexico and Japan”, the course line-up has been completely reviewed, taking into account the compatibility with the priority fields of PRONACES (National Strategy Program) set by the National Council of Humanities, Sciences and Technologies (CONAHCYT) in Mexico, to response strong needs in the areas such as , Food security, , and also traditional areas such as art and quality control are set.

This training program aims to support Mexican human resource development, through the implementation of training program based on the Japan-Mexico Joint Statement, thereby contributing to reinforcement establishment of the Mexico-Japan Strategic Global Partnership.

## **For what?**

Learn about the actions and mechanisms that water and energy drive on photosynthesis; and conducting research of water and soil managements in plant growing environments. Also try to use this knowledge and technology for the assessment of climate change impacts, the establishment of adaptive technology, and the vegetation of deserts.

## **For whom?**

Researchers and master's students interested in economically feasible and environmentally sustainable agricultural development.

## **How?**

With research, practices and on-the-job training related to soil physics measurements, microclimatological observations and data analysis.

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<sup>1</sup> [https://www.mofa.go.jp/announce/announce/2011/2/PDF/0222\\_02\\_01.pdf](https://www.mofa.go.jp/announce/announce/2011/2/PDF/0222_02_01.pdf)

## II. Description

### 1. Title

International Course on Sustainable Agricultural Development

●**Agricultural Engineering Course: Course No.202312572-J001**

●**Environmental Protection Course: Course No.202312572-J002**

### 2. Course Duration in Japan

March to July, 2025 (Technical Training Period: 9<sup>th</sup> May to 18<sup>th</sup> July, 2025: three months)

March 25<sup>th</sup>: Arrival in Japan

March 26<sup>th</sup> to May 6<sup>th</sup> : Briefing, General Orientation and Intensive Japanese Language Class (at JICA Chubu Center)

May 7<sup>th</sup> Moving from JICA Chubu Center to Tokyo

May 8<sup>th</sup> Orientation (at JICA Tokyo Center)

May 9<sup>th</sup> to July 18<sup>th</sup> : Technical Training Program

(Stay at JICA Tokyo Center, mainly commuting to the Tokyo University of Agriculture ( "NODAI", as in the abbreviation of Japanese )

July 19<sup>th</sup>: Departure from Japan

\* The date of arrival in Japan is confirmed for the March 25<sup>th</sup>, but the date of departure from Mexico is not yet confirmed, as it depends on the availability of airline tickets. The departure date from Mexico is scheduled one or two days before the arrival date.

### 3. Target Regions or Countries

Mexico

### 4. Capacity (Upper Limit of Participants)

●**Agricultural Engineering Course: Two (2) participants**

●**Environmental Protection Course : Two (2) participants**

### 5. Language

English

### 6. Objective(s)

The participant will learn about the agricultural engineering or environmental protection selecting one of several themes such as biological control, revegetation technique, water-saving, soil/water environment restoration, landscape design, traditional technique of landscape architecture, sustainable food production system, throughout the conduction of research, practices and on-the-job training and data analysis.

### 7. Overall Goal

In order to contribute to the PRONACES established by CONAHCYT in Mexico, special attention was paid to the contents selection of the course. For this particular case, its contents are aligned with one of the PRONACES' strategies for "Food sovereignty", specifically related to the "Agro-ecological

transition process”.

The course is expected to contribute to the development of agricultural production in xeric environment of Mexico, pursuing water-saving irrigation systems, contributing the reduction of ecological footprints, and promoting the sustainability of food systems.

## **8. Output and Contents**

This course consists of the following components. Details on each component are given below.

The general orientation and Japanese language training program are organized at the Chubu Center of JICA, prior to the technical training, in order to assist the participants in understanding Japanese way of thinking and adjusting themselves to life in Japan, and thus to facilitate effective training. The technical training will be provided by 7 different laboratories of the Agricultural Engineering and the Environmental Protection courses. The applicant can choose until two of seven (7) laboratories depending on his interest of study.

### **<Structure of the Course> (tentative)**

#### **1. *Agricultural Engineering Course***

##### **Theme 1: Soil and water conservation for sustainable agriculture**

##### **<Structure of the Course>**

##### **Topic outline**

This course titled “Soil and Water Conservation for Sustainable Agriculture” deals with **(1) various soil and water conservation strategies, (2) soil/sediment and nutrients losses modeling, and (3) land management techniques with sustainable farming practices**, such as organic fertilizer making, bio-pesticide making and charcoal/wood vinegar making. Also, as a tool for effective project management, **(4) Participatory Rural Appraisal (PRA) and Project Cycle Management (PCM) methods** are included in this course.

##### **Background of this course and issues**

Agricultural development without consideration of the natural environment causes the loss of biodiversity and the decrease of soil fertility, leading to the diminishment of agricultural productivity. It is significantly tangible in Central America as export-oriented monoculture has been extended widely. Thus, **soil and water conservation (from views of soil/sediment and nutrients losses, agro-biodiversity, soil properties, water environmental quality, land productivity, etc.) is indispensable for achieving sustainable agriculture in Central America.**

##### **Expected Outcomes from the course**

This course organized by the Laboratory of Land and Water Use Engineering.

The followings being applicable to Central America are expected as outcomes through this course.

0. Being able to **design applicable soil and water conservation strategies** for sustainable agriculture
1. Being able to **calculate soil/sediment and nutrients losses with RUSLE model**
2. Being able to **propose applicable land management techniques** with sustainable farming practices
3. Being able to **manage the project with PRA** (Participatory Rural Appraisal) and **PCM** (Project Cycle Management) methods

Table 1 The contents for the course on  
Soil and Water Conservation for Sustainable Agriculture

	(1) Subjects related to this course	(2) Laboratory activities	(3) Field activities		Note
1 <sup>st</sup> Period	- Environment and Agriculture - Farm Environment	- Experimental class for natural resource analysis - Laboratory seminar	- Farm practices in agricultural areas of Tokyo	-	- Including guidance as well as orientation - Weekly reports
2 <sup>nd</sup> Period	- PRA (Participatory Rural Appraisal) - PCM (Project Cycle Management)	- Laboratory work based on participant's interests - Laboratory seminar	- Farm practices in agricultural areas remote areas	-	- Visiting various areas - Weekly reports
3 <sup>rd</sup> Period	- Agro-Environmental Engineering - Soil Science	- Experimental class for natural resource analysis - Laboratory seminar	- Farm practices in agricultural areas of Tokyo	-	- Weekly reports - Final presentation

Followings are samples of daily schedule in a week during 1<sup>st</sup> Period.

- (0) **Monday:** Attending "Laboratory Seminar" and "Environment and Agriculture"
  - (1) **Tuesday:** Attending "Experimental Class" for learning natural resource analysis
  - (2) **Wednesday:** Attending "Laboratory Seminar" and "Farm Environment"
  - (3) **Thursday:** Attending "Seminar on Soil/sediment and Nutrients Losses Modeling"
  - (4) **Friday:** Farm observations in agricultural areas in Tokyo
- Saturday and Sunday are off duty.

## **Nominee Qualifications**

Applying organizations are expected to select nominees who meet the following qualifications.

### (1) Essential Qualifications

- 1) Current Duties: be related with agriculture or environmental management.
- 2) Experience in the Relevant Field: have at least one year experience in agriculture or environmental management.
- 3) Educational Background: be a graduate from university.
- 4) Language Proficiency: have a competent command of spoken and written English.
- 5) Applicants must declare honestly in the Medical History.

To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History.

(QUESTIONNAIRE ON MEDICAL STATUS RESTRICTIONS of the application form) if you have been a patient of following illnesses; Hypertension/ Diabetes/Cardiovascular illness / Heart failure /Chronic respiratory illness.

Any person in any health conditions is eligible to apply for this course.

However the health conditions of all applicants will be verified at the moment of selection in order to that participants will be in good health during the training in Japan.

### (2) Recommended Qualifications

- 1) Expectations for the Participants: have knowledge and experiences of agriculture or environmental management.
- 2) Age: No limitations, but between the ages of twenty-four (22) and forty (45) years recommended.
- 3) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

## **Theme 2: Organic waste management (Energy × Resource × Water environment)**

### **<Structure of the Course>**

Topic outline (subject to minor changes)

During your training,

(1) you will learn the causes of water environment deterioration, and how to restore the water environment. Some technologies of water treatment will be introduced to you, and two of them, i.e., sediment microbial fuel cells (SMFCs) and calcium silicate hydrate (CSH) will be chosen for your training.

(2) you will learn what is SMFCs and how to create SMFCs. Then, laboratory experiments will be conducted to examine the effects of SMFCs on treating

wastewater.

(3) you will learn what is CSH and how to make CSH using rice husk ash. Then, laboratory experiments will be conducted to examine the effects of your CSH on treating wastewater.

Note: Experiments will be conducted in the Laboratory of Rural Environmental Engineering, Department of Bioproduction and Environmental Engineering.

Table 1 The schedule of your training

	1 <sup>st</sup> Period	2 <sup>nd</sup> Period	3 <sup>rd</sup> Period
Subject (1)	<ul style="list-style-type: none"> <li>● Taking some lectures relating to the subjects (1)-(3)</li> <li>● Making presentation</li> </ul>		
Subject (2)		Conducting experiments and Making presentation	
Subject (3)			Conducting experiments and Making presentation

**Nominee Qualifications**

Applying organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

- 1) Current Duties: master’s degree student or officer
- 2) Experience in the Relevant Field: have experience in the fields of water treatment and electronics.
- 3) Educational Background: be a graduate of bachelor’s degree
- 4) Language Proficiency: have a competent command of spoken and written English proficiency.
- 5) Applicants must declare honestly in the Medical History.

To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History.

(QUESTIONNAIRE ON MEDICAL STATUS RESTRICTIONS of the application form) if you have been a patient of following illnesses; Hypertension/ Diabetes/Cardiovascular illness / Heart failure /Chronic respiratory illness.

Any person in any health conditions is eligible to apply for this course.

However the health conditions of all applicants will be verified at the moment of selection in order to that participants will be in good health during the training in Japan.

(2) Recommended Qualifications

- 1) Age: No limitations, but between the ages of twenty-five (25) and fifty (50) years recommended.
- 3) Gender Equality and Women’s Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and

women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

### **Theme 3: Water saving irrigation associated with climate change in arid land**

<Structure of the Course>

Topic outline

Studies and training of the soil and water management associated with the irrigation are conducted particularly focusing on water saving irrigation in arid land. Therefore, relevant subjects are studied regarding soil physics, hydrology, and meteorology.

Participants are requested to give a brief presentation to introduce current situation of climate, agriculture, water resources, and water management in home region (i.e. Mexico).

Further, the impact of the climate change on soil and water conditions in arable land, and appropriate soil and water management will be discussed.

1st Period

Introduction of the department and laboratory

2nd Period

Laboratory tests for soil physical properties

- (1) Particle density
- (2) Ignition loss
- (3) Particle size distribution
- (4) Saturated hydraulic conductivity
- (5) Soil water retention

3rd Period

Field measurement and observation

- (1) Permeability of soils
- (2) Water saving irrigation
- (3) Measurement of water balance
- (4) Field soil water and meteorological observation

4th Period

Presentation and discussion

- (1) Introduction and current condition of home region (Mexico)

5th Period

Field study

- (1) Typical Japanese land improvement and irrigation system
- (2) Site specific water management (i.e. large scale water management and underground dam)

6th Period

Presentation and discussion

- (1) Introduction and current condition of home region (Mexico)
- (2) Water saving irrigation

**8/25**



- (3) Appropriate measure against climate change
- (4) Conclusion

### **Nominee Qualifications**

Applying organizations are expected to select nominees who meet the following qualifications.

#### (1) Essential Qualifications

1) Current Duties: be an officer/manager or engineer in administration, planning and/or implementation of agricultural irrigation and/or water management in a public sector or a private company, a researcher, students or academic staff of faculty of university or research institution associated with water management.

2) Experience in the Relevant Field: be engaged in water management including irrigation.

3) Educational Background: be an under graduate or a graduate of university

4) Language Proficiency: Have a competent command of spoken and written English proficiency for **group discussion and own research**.

5) Applicants must declare honestly in the Medical History.

To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History.

(QUESTIONNAIRE ON MEDICAL STATUS RESTRICTIONS of the application form) if you have been a patient of following illnesses; Hypertension/ Diabetes/Cardiovascular illness / Heart failure /Chronic respiratory illness.

Any person in any health conditions is eligible to apply for this course.

However the health conditions of all applicants will be verified at the moment of selection in order to that participants will be in good health during the training in Japan.

#### (2) Recommended Qualifications

1) Age: No limitations, but between the ages of twenty-five (25) and forty (40) years recommended/

2) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

※There is another course in arid land, which cover a wide range of topics from cultivation techniques to market access for products. If you are interested in arid land, please check the General Information of "Training Program of Arid Land Agricultural Technology in Mexico (Course No.: 202312572-J002 )".

## **2. Environmental Protection Course**

## **Theme 1: Isolation and characterization of bio-surfactant producing bacteria aimed for biological control against plant diseases**

<Structure of the Course>

Topic outline (subject to minor changes)

This course is composed by 3-topics as follows:

1st Period

Topic 1: Isolation of bio-surfactant producing bacteria

Bacteria are isolated from environmental samples, e. g. soil, plants, and can be detected their bio-surfactant producing activities by a simple method with spraying of mineral oil.

2nd Period

Topic 2: Characterization of bio-surfactant producing bacteria

Bio-surfactant producing bacterial isolates derived from topic 1 can be partially identified by Gram staining, cell morphology by microscopic observation and 16S rDNA sequence.

3rd Period

Topic 3: Characterization of bio-surfactant

Structural identification of bio-surfactant(s) derived from the bacterial isolates will be carried out by LC-MS/MS. As further characterization, bio-surfactant(s) are purified and evaluation of its antimicrobial activities.

### **Nominee Qualifications**

Applying organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

- 1) Current Duties: be a researcher in the field of plant pathology, especially for biological control by using microbes
- 2) Experience in the Relevant Field: preferably have more than 2 years' experience in the field of plant pathology as researcher
- 3) Educational Background: be a graduate of university
- 4) Language Proficiency: Have a competent command of spoken and written English proficiency for **group discussion and own research**.
- 5) Applicants must declare honestly in the Medical History.

To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History.

(QUESTIONNAIRE ON MEDICAL STATUS RESTRICTIONS of the application form ) if you have been a patient of following illnesses; Hypertension/ Diabetes/Cardiovascular illness / Heart failure /Chronic respiratory illness.

Any person in any health conditions is eligible to apply for this course.

However the health conditions of all applicants will be verified at the moment of selection in order to that participants will be in good health during the training in Japan.

(2) Recommended Qualifications

- 1) Age: No limitations, but the ages up to fifty (50) years recommended.
- 2) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

## **Theme 2: Revegetation technique**

<Structure of the Course>

1st period

- (1) Methods of plant seed collection (practice in the laboratory)
- (2) Plant seed storage methods (practice in the laboratory)
- (3) Advantages and disadvantages of planting directly from seed vs planting tree saplings (practice / research)

2nd period

- (1) Selection and creation of appropriate plant growth medium (including soil type and the utilization of biomass resources) (practical training / on-the-job training)
- (2) Sapling production: step by step (on-the-job training)
- (3) How to apply revegetation techniques (practice in the field)

3rd period

- (1) Methods of plant seed collection (practice in the field)
- (2) Plant seed storage methods (practice in the laboratory)

4th period

- (1) Germination physiology and ecology of plant seed (implementation and research of germination tests)
- (2) Discussion and summary of different revegetation technologies according to site-specific conditions.

We can provide a custom-made program to fit your interests. The content of this course is subject to change depending on the climatic conditions and the time of year when the course is offered

### **Nominee Qualifications**

Applying organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

1) Current Duties:

a) be an officer/manager or engineer in administration, planning and/or implementation of forest management and/or forest conservation in a public sector or a private company, a researcher or teaching faculty of university or research institution.

b) be an executive official/manager in administration, planning and implementation of forest management or forest conservation in a government position and/or as a student, educator or researcher in a University, College, or relevant company.

2) Experience in the Relevant Field:

Administration, planning and/or implementation of forest management and/or forest conservation in a public sector or a private company, conducting research or teaching in the field related to forest management and/or conservation.

3) Educational Background:

University Graduate (minimum undergraduate degree)

4) Language Proficiency: Have a competent command of spoken and written English proficiency for **group discussion and own research**.

5) Applicants must declare honestly in the Medical History.

To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History.

(QUESTIONNAIRE ON MEDICAL STATUS RESTRICTIONS of the application form) if you have been a patient of following illnesses; Hypertension/ Diabetes/Cardiovascular illness / Heart failure /Chronic respiratory illness.

Any person in any health conditions is eligible to apply for this course.

However the health conditions of all applicants will be verified at the moment of selection in order to that participants will be in good health during the training in Japan.

(2) Recommended Qualifications

1) Age:No limitations, but the ages up to fifty (50) years recommended.

2) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

### **Theme 3: Agroecology and sustainable food production system**

#### **<Structure of the Course>**

Topic outline (subject to minor changes) is shown in Table 1.

There are four types of activities for your program in Tokyo NODAI.

(1) Specialized Courses consist of in-classroom lectures and field studies, which are open to Tokyo NODAI undergraduate students,

(2) Seminar based active study through presentation and discussion with undergraduate and graduate students

(3) Laboratory works

(4) Field study to see and discuss with people in the farms, agricultural cooperatives, agricultural institutions, etc.

Through above activities you can study the following three academic disciplines:

1) alternative weed management

2) agroecological research on the cultivation environment and crop production

3) genetic diversity of agricultural plants.

We can provide a custom-made program upon your interests.

Table 1 The contents for study

	(4) Subject of Specialized Courses	(5) Seminar based activity	(6) Laboratory Activity	(4) Field study
1 <sup>st</sup> Period	Plant physiology, Basic agronomy, Vegetable and fruits production	Planning of agricultural experiments	Comparative cultivation experiments conducted in the university experimental fields.	Practices in University farm
2 <sup>nd</sup> Period		Measurement of plant growth and development		
3 <sup>rd</sup> Period			Analysis of fruits and photosynthetic activity. Flow cytometry analysis	Field trip
4 <sup>th</sup> Period	Ecology and Food Production, Crop Production	Academic literature review		Practices in University farm
5 <sup>th</sup> Period				

### Nominee Qualifications

Applying organizations are expected to select nominees who meet the following qualifications.

#### (1) Essential Qualifications

1) Current Duties: be a technician or junior researcher in the university, experimental station/institution, or agricultural extension service officer.

#### 2) Experience in the Relevant Field:

Agricultural field practices in agricultural experiment, conducting research or teaching in relation to the agricultural production.

3) Educational Background: University Graduate (minimum undergraduate degree)

4) Language Proficiency: Have a competent command of spoken and written English proficiency for **group discussion and own research.**

5) Applicants must declare honestly in the Medical History.

To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History.

(QUESTIONNAIRE ON MEDICAL STATUS RESTRICTIONS of the application form) if you have been a patient of following illnesses; Hypertension/ Diabetes/Cardiovascular illness / Heart failure /Chronic respiratory illness.

Any person in any health conditions is eligible to apply for this course.

However, the health conditions of all applicants will be verified at the moment of selection in order to that participants will be in good health during the training in Japan.

#### (2) Recommended Qualifications

1) Age:No limitations, but the ages up to fifty (50) years recommended.

2) Gender Equality and Women's Empowerment: Women are encouraged to

apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

**Theme 4: Traditional technique of Japanese landscape architecture**

**<Structure of the Course>**

Topic outline (subject to minor changes) is shown in Table 1.

There are three types of activities for your program in Tokyo NODAI. (1) Specialized Courses consist of in-classroom lectures and field studies, which are open to Tokyo NODAI undergraduate students, (2) Open Landscape Architecture technical courses offered to the community people, and (3) Laboratory works.

\*There are three prospective host laboratories in which you can attend the activities: 1) Landscape plants and Arboriculture, 2) Landscape Planting, and 3) Garden technique and Materials. By participating in the laboratory works, you will have opportunities to work in gardens, parks, natural forests, nature reserves, and more.

We can provide a custom-made program upon your interests.

Table 1 The contents for study Landscape Architecture, Japan

	(7) Subject of Specialized Courses	(8) Open Technical Course	(9) Laboratory Activity	Note
1 <sup>st</sup> Period	Life history and Application of Landscape plants, Planning and Design of	Making bamboo fence	Go to field, e.g., Traditional Garden in Tokyo, Kyoto or others. Field study to see giant trees, Cherry blossom, in local area. Experiments for seed germination, getting data from plants experiments.	With Orientation
2 <sup>nd</sup> Period	Landscape Architecture or others.	Technology for pavement		
3 <sup>rd</sup> Period		Pruning		
4 <sup>th</sup> Period	Landscape Planting Studio, Special Studio for	Making bamboo fence		
5 <sup>th</sup> Period	Traditional Skill of Gardening.	Technology for using natural stone		University Festival of Tokyo Nodai

**Nominee Qualifications**

Applying organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

1) Current Duties:

be an officer/manager or engineer in administration, planning and/or implementation of parks and/or urban planning in a public sector or a private company, a researcher or teaching faculty of university or research institution.

be an executive official/manager in administration, planning and implementation of the park or city management, urban planner of the governments, students,

educator or researcher of the University or College, or Landscape Architectural company.

2) Experience in the Relevant Field:

Administration, planning and/or implementation of parks and/or urban planning in a public sector or a private company, conducting research or teaching in the field related to Landscape Architecture.

3) Educational Background: be a graduate of university

4) Language Proficiency: Have a competent command of spoken and written English proficiency for **group discussion and own research**.

5) Applicants must declare honestly in the Medical History.

To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History.

(QUESTIONNAIRE ON MEDICAL STATUS RESTRICTIONS of the application form) if you have been a patient of following illnesses; Hypertension/ Diabetes/Cardiovascular illness / Heart failure /Chronic respiratory illness.

Any person in any health conditions is eligible to apply for this course.

However the health conditions of all applicants will be verified at the moment of selection in order to that participants will be in good health during the training in Japan.

(2) Recommended Qualifications

1) Age:No limitations, but the ages up to fifty (50) years recommended.

2) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

4) Language Proficiency:

English proficiency equivalent to TOEIC 700 or above. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible

5)Applicants must be fully committed to the training.

6) Health: must be in good health to participate in the program in Japan. To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History (QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION of the application form) if you have been a patient of following illnesses; Hypertension / Diabetes / Cardiovascular illness / Heart failure / Chronic respiratory illness / Allergy for plants, pollen, shell or others.

(2) Recommended Qualifications

1) Age: between the ages of twenty-five (25) and fifty (50) years

2) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

## III. Eligibility and Procedures

Applicants must choose one of the two courses, Agricultural Engineering Course or Environmental Protection Course and choose 2 themes which you want to dedicate in within the course you have chosen. And prepare the following requires documents.

### 1. Required Documents for Application

**(1) Application Form:** The Application Form is available at **the JICA Mexico office**

\* If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application form. Information will be reviewed and used for reasonable accommodation.

**(2) Photocopy of Passport:** You should submit it with the application form if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.

\*The following information should be included in the photocopy:

Name, Date of Birth, Nationality, Sex, Passport Number and Expiry Date

**(3) English Score Sheet:** to be submitted with the application form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)

**(4) Questionnaire:** to be submitted with the application form. Fill in Annex of this General Information.

**(5) Medical History (Questionnaire on medical status):** To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History. ※1

※1: Considering the length of the course exceeds four months and that during this period JICA could not offer proper health care assistance for periodical exams, medical appointments or eventual emergency care (if needed) required during gestation, pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus. Also, for the same reason, in case of the expected date of birth is during the course period, JICA could not accept the applicant, even if already selected.

### 2. Procedures for Application and Selection

#### (1) Selection

After the application documents are submitted, primary screenings conducted by CONAHCYT. Then JICA Tokyo Centre will consult with concerned organizations in Japan in the process of final selection.

The Government of Japan will examine applicants who belong to the military or



other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization and other relevant information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan.

## **(2) Notice of Acceptance**

CONAHCYT will notify the results **not later than 8<sup>th</sup> December, 2024.**

## **3. Additional Document(s) to Be Submitted by Accepted Candidates**

The accepted candidate may be required to prepare and submit an Inception Report. Please follow the instructions to be notified individually after the approval.

## **4. Conditions for Participation**

The participants of KCCP are required

- (1)** to strictly observe the course schedule,
- (2)** not to change the air ticket (and flight class and flight schedule arranged by JICA) and lodging by the participants themselves,
- (3)** to understand that leaving Japan during the course period (to return to home country, etc.) is not allowed,
- (4)** not to bring any family members to stay with (Visit by the participant's family is not prohibited as long as the participation to the training program is not disturbed.),
- (5)** to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
- (6)** to observe the rules and regulations of the program implementing partners to provide the program or establishments,
- (7)** not to engage in political activities, or any form of employment for profit,
- (8)** to discontinue the program, should the participants violate the Japanese laws or JICA's regulations, or the participants commit illegal or immoral conduct, or get critical illness or serious injury and be considered unable to continue the course. The participants shall be responsible for paying any cost for treatment of the said health conditions except for the medical care stipulated in (3) of "5. Expenses", "IV. Administrative Arrangements",
- (9)** to return the total amount or a part of the expenditure for the KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
- (10)** not to drive a car or motorbike, regardless of an international driving license possessed,
- (11)** to observe the rules and regulations at the place of the participants' accommodation, and
- (12)** to refund allowances or other benefits paid by JICA in the case of a change in

schedule.

- (13) In case of natural disaster or any possible contingency that makes unfeasible to conduct this course in Japan, it could be offered remotely (on-line) or canceled. In the case of conducting training program in-line, the training period and contents may be subject to change.

## IV. Administrative Arrangements

### 1. Organizer (JICA Center in Japan)

- (1) **Center:** JICA Tokyo Center (JICA Tokyo/ TIC)  
(2) **Program Officer:** Mr. ABE Kimio ([Abe.Kimio@jica.go.jp](mailto:Abe.Kimio@jica.go.jp))

### 2. Implementing Partner

- (1) **Name:** Tokyo University of Agriculture (Tokyo NODAI)  
(2) **URL:** <https://www.nodai.ac.jp/english/>

### 3. Travel to Japan

- (1) **Air Ticket:** In principle, JICA will arrange an economy-class round-trip ticket between an international airport designated by JICA and Japan.  
(2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan (include damaged baggage during the arrival flight to Japan) will not be covered.

### 4. Accommodation in Japan

Basically, JICA will arrange the following accommodation(s) for the participants in Japan: **To be determined**

### 5. Expenses

The following expenses in Japan will be provided by JICA

- (1) Allowances for meals, living expenses, and shipping and stopover.  
(2) Expenses for commuting to the university, Expenses for study tours (basically in the form of train tickets).  
(3) Medical care for participants who become ill after arriving in Japan (the costs related to pre-existing illness, pregnancy, or dental treatment are not included).  
(4) Expenses for program implementation, including materials.  
(5) For more details, please see "III. ALLOWANCES" of the brochure for participants titled "KENSU-IN GUIDE BOOK," which will be given before departure for Japan.

\*Link to JICA HP (English/French/Spanish/Russian):

[https://www.jica.go.jp/english/our\\_work/types\\_of\\_assistance/tech/acceptance/training/index.html](https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/index.html)

### 6. Pre-departure Orientation\*

A pre-departure orientation will be held at JICA Mexico office, to provide

Participants with details on travel to Japan, conditions of the course, and other matters.

\*YouTube of “Knowledge Co-Creation Program and Life in Japan” and “Introduction of JICA Center” are viewable from the link below.

Image videos of 'Introduction of JICA Center (YouTube)' show the following information of JICA Centers: Location, Building, Entrance, Reception(Front desk), Lobby, Office, Accommodation(Room), Amenities(Hand dryer), Bathroom(Shower and Toilet), Toiletries, Restaurant, Laundry Room(Washing machine, Iron), ICT Room(Computer for participants), Clinic, Cash dispenser, Gym, Neighborhood

<b>Part I: Knowledge Co-Creation Program and Life in Japan</b>	
English ver.	<a href="https://www.youtube.com/watch?v=SLurfKugrEw">https://www.youtube.com/watch?v=SLurfKugrEw</a>
Spanish ver.	<a href="https://www.youtube.com/watch?v=m7l-WIQSDjl">https://www.youtube.com/watch?v=m7l-WIQSDjl</a>
<b>Part II: Introduction of JICA Centers in Japan</b>	
JICA Tokyo	<a href="https://www.jica.go.jp/tokyo/english/office/index.html">https://www.jica.go.jp/tokyo/english/office/index.html</a>
JICA Chubu	<a href="https://www.jica.go.jp/chubu/english/office/index.html">https://www.jica.go.jp/chubu/english/office/index.html</a>

## V. Other Information

1. Participants are expected to bring their own laptop computers for working on their presentations, reading digital learning materials, and so on.
2. Allowances, such as for accommodation, living, clothing, and shipping, will be deposited to your temporary bank account in Japan after 2 to 5 days after your arrival to Japan. It is highly advised to bring some cash in order to cover necessary expenses for the first few days. It is very important that your currency must be exchanged to Japanese Yen at any transit airport or International Airport in Japan at the time of your arrival. It is quite difficult to exchange money after this, as there is strictly limited facility around JICA Center and time for exchanging currency during the program.
3. For the promotion of mutual friendship, JICA encourages international exchange between JICA participants and local people, including the children. Therefore, participants are expected to contribute to this effort by attending such activities and will possibly be asked to make presentations on the society, economy and culture of their home countries.
4. You can check our services on our website and social media.
  - **JICA Tokyo website:**  
<https://www.jica.go.jp/tokyo/english/office/index.htm>
  - **JICA Tokyo Facility Guide:**  
[Introduction of JICA Tokyo - YouTube](#)
  - **JICA Tokyo Facebook:**  
<https://www.facebook.com/jicatokyo>

## **For Your Reference**

### **JICA and Capacity Development**

Technical cooperation is people-to-people cooperation that supports partner countries in enhancing their comprehensive capacities to address development challenges by their own efforts. Instead of applying Japanese technology per se to partner countries, JICA's technical cooperation provides solutions that best fit their needs by working with people living there. In the process, consideration is given to factors such as their regional characteristics, historical background, and languages. JICA does not limit its technical cooperation to human resources development; it offers multi-tiered assistance that also involves organizational strengthening, policy formulation, and institution building.

Implementation methods of JICA's technical cooperation can be divided into two approaches. One is overseas cooperation by dispatching experts and volunteers in various development sectors to partner countries; the other is domestic cooperation by inviting participants from developing countries to Japan. The latter method is the Knowledge Co-Creation Program, formerly called Training Program, and it is one of the core programs carried out in Japan. By inviting officials from partner countries and with cooperation from domestic partners, the Knowledge Co-Creation Program provides technical knowledge and practical solutions for development issues in participating countries.

The Knowledge Co-Creation Program has long occupied an important place in JICA operations. About 400 pre-organized courses cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs is being customized by the different target organizations to address the specific needs, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

### **Japanese Development Experience**

Japan, as the first non-Western nation to become a developed country, built itself into a country that is free, peaceful, prosperous and democratic while preserving its tradition. Japan will serve as one of the best examples for our partner countries to follow in their own development.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from a process of adoption and adaptation, of course, has been accompanied by countless failures and errors behind the success stories.

Through Japan's progressive adaptation and application of systems, methods and technologies from the West in a way that is suited to its own circumstances, Japan has

developed a storehouse of knowledge not found elsewhere from unique systems of organization, administration and personnel management to such social systems as the livelihood improvement approach and governmental organization. It is not easy to apply such experiences to other countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.

# VI. Annex

## QUESTIONNAIRE

### Japan-Mexico Training Program for the Strategic Global Partnership JFY 2024-2025

Full Name	
Contact	Tel. Fax. Email.
TOEFL Score	

**Choose one of the two courses, Agricultural Engineering Course or Environmental Protection Course and choose 2 themes which you want to dedicate in within the course you have chose. Please write your two preferences them.**

Priority	Laboratory's name (theme)
1	
2	
3	

\* Please note that it is not guaranteed that you will be assigned to your preference laboratory.

Describe the subject or research topic of your interest and explain what kind of skill you want to acquire through this training. Describe relationship between the subject or research topic and the laboratory you choose.
Write your work experience
To participate in this course, <input type="checkbox"/> I quit my job <input type="checkbox"/> I keep my position at work <input type="checkbox"/> Others (                    )

Explain how you would like to use your training experience on your return.

Introduce yourself

You must attach the certified list of subject items with the marks obtained in each subject issued by the university or institute of technology that you graduated from.





**Contact Information for Inquiries**

For inquiries and further information, please contact the JICA overseas office or the Embassy of Japan. Further, address correspondence to:

**JICA Tokyo Center (JICA Tokyo)**

Address: 49-5, Nishihara 2-Chome, Shibuya-ku, Tokyo, 151-0066, Japan

TEL: +81-3-3485-7652

("81" is the country code for Japan, and "3" is the local area code)