SDG Professional Course

*   This course is offered to the students who passed the entrance examination for the SDG Professoinal

Course and have been admitted to the master's program or doctoral program in the course.

SDG PROFESSIONAL COURSE

1. Overview

This graduate-level course incorporates engineering education built on a foundation of Sustainable Development Goals (SDGs), and is designed to produce practical engineers/researchers with high levels of expertise and various perspective, as well as educators of advanced engineering.

In 2015, the United Nations designated a set of 17 global SDGs (addressing issues such as poverty, healthcare, education, and others) to be achieved by 2030. In order to accomplish these goals, it is crucial to further develop and spread science and technology on a global scale. We have committed to this effort by accepting students from a wide range of countries and providing them with a practical education program in collaboration with Japanese industries. In this way, we aim to nurture the development of individuals who can contribute to the development of science and technology, especially in newly industrialized countries.

Since 1994, NUT has conducted the International Graduate Course for Continuing Professional Development (CPD), which has produced over 300 practical engineers and educators from 15 countries. The SDG Professional Course (SDG-P) expands upon the CPD Course with the inclusion of SDG principles, and is a more advanced practical engineering education program. We anticipate that course graduates will be active in various countries throughout the world, help to improve the global level of science and technology, and contribute to the accomplishment of the SDGs.

2. Course Outline

(1) Master's Program

① Subject Requirements

Students enrolled in the SDG Professional Course must earn 6 credits from course-compulsory subjects and 2 or more credits from course-recommended elective-compulsory subjects as stated below (See Attached Table 1). These students are strongly recommended to register for the SDG Professional Course subjects offered by each program.

◆Course-Compulsory Subjects

Japanese Industrial Development and SDGs	2 credits
Gigaku Innovation and Creativity	2 credits
SDGs -recognizing limitations and challenges-	2 credits

◆Course-Recommended Elective-Compulsory Subjects

Internship for SDG-P Course Students	2 credits
General Affairs of Japan for Graduate Students 1-2	2 credits

* In cases where Common Study Subjects (including those listed above) have already been taken, students may include up to 6 credits from the Common Study Subjects required by the relevant program.

* In addition to the subjects listed above, students may also take "Basic Japanese Language Course 1" and "Business Japanese Language for Beginners" as extracurricular subjects. However, in order to take the "Internship for SDG-P Course Students", students must have, in principle, completed "Basic Japanese Language Course 1" and "Business Japanese Language for Beginners" before

registering for the internship.

② Course Completion

In order to complete the course, students must earn 6 credits from course-compulsory subjects, "Japanese Industrial Development and SDGs", "Gigaku Innovation and Creativity" and "SDGs -recognizing limitations and challenges-", and 2 or more credits from course-recommended elective-compulsory subjects. Students who fulfill the prerequisites for completing the course and the master's program will be awarded a Certificate of Completion of the SDG Professional Course in addition to the master's degree.

In order to complete the master's program, students must also complete the SDG Professional Course after being admitted.

(2) Doctoral Program
① Subject Requirements

Students enrolled in the SDG Professional Course are required to take the following course-compulsory subject (See Attached Table 2).

◆Course-Compulsory Subject

SDGs Interdisciplinary Joint Project Study   2 credits

This is a course-compulsory subject, and the credits earned from this subject will not count toward the required credits for completing the doctoral program.

* In addition to the subject listed above, students may also take "Basic Japanese Language Course I" and "Business Japanese Language for Beginners" as extracurricular subjects.

② Course Completion

In order to complete the course, students must earn the credits from the course-compulsory subject "SDGs Interdisciplinary Joint Project Study". Students who fulfill the prerequisites for completing the course and the doctoral program will be awarded a Certificate of Completion of the SDG Professional Course in addition to the doctoral degree.

In order to complete the doctoral program, students must also complete the SDG Professional Course after being admitted.

(3) Student Admissions

Students will be admitted to this course if they pass the selection entrance examination for the SDG Professional Course and have been admitted to either the master's or doctoral programs (including students who have completed the master's program under this course and advanced to the doctoral program) at the Graduate School of Engineering, NUT.

SDG PROFESSIONAL COURSE

Attached Table 1

Master's Program

Eligible Programs	Subject Classification	Subject Name	Credits	1st Year to 2nd Year			Lecturer-in-Charge	Notes
				Term				
				1	2	3		
All Programs	Compulsory (6 Credits)	Japanese Industrial Development and SDGs	2		2		Katsumi	☆ K A Subject is offered from the 1st to 2nd years, but students are encouraged to take the subject in the 1st year.
		Gigaku Innovation and Creativity	2	2			Manada	☆ Subject is offered from the 1st to 2nd years, but students are encouraged to take the subject in the 1st year.
		SDGs -recognizing limitations and challenges-	2		2		Takimoto	☆
	Elective-Compulsory (2 Credits)	Internship for SDG-P Course Students	[2]		[2]		Iwahashi, Staff	☆
		General Affairs of Japan for Graduate Students 1-2	2		2		Kano	☆

Note 1: In the "Lecturer-in-Charge" column, ※ indicates an adjunct lecturer

Note 2: [2] indicates credits that do not count toward program completion

Attached Table 2

Doctoral Program

Eligible Programs	Subject Classification	Subject Name	Credits	1st Year to 2nd Year			Lecturer-in-Charge	Notes
				Term				
				1	2	3		
All programs	Compulsory	SDGs Interdisciplinary Joint Project Study	[2]		[2]		Hatamoto	Subject is offered from the 1st to 2nd years, but students are encouraged to take the subject in the 1st year.

Note 1: [2] indicates credits that do not count toward program completion

【Symbols in the Notes Column】

    K: Industry-Associated Subject for Teacher's License Certification

    ☆:   Conducted in English

    A: Can be conducted in English for SDG Professional Course students