

FY 2021

Nagoya University

ESD

Program

Nagoya University
Education for Sustainable Development
Consortium Program with 6 Graduate Schools



Nagoya University Education for Sustainable Development Program (NU ESD Program) which relates to **sustainable development (SD)** education and research, was launched in 2013. Nagoya University now offers the ESD Program in collaboration with 6 Graduate Schools associated with SD, including the Graduate school of Environmental Studies, International Development, Bioagricultural Studies, Engineering, Economics and Humanities.

In 2014, the UNESCO World Conference on the UN's 10 Years of Education for Sustainable Development (ESD, 2005 - 2014) held in Nagoya. In 2015, the UN adopted the 2030 Agenda for **Sustainable Development Goals (SDGs)**. SDGs have 17 goals which aim to end poverty, protect the planet and improve the lives and prospects of everyone, everywhere. And each goal has multiple targets, in all 169.

The Nagoya University Academic Charter states that we seek to, "Contribute to global exchange, especially

with Asian countries, by promoting international academic collaboration and the education of international students". We hope our students at Nagoya University will become the leaders of a sustainable future. To fulfill this role, basic understanding and sharing of values, principles, and knowledge in SD as part of their liberal arts study is crucial. And students must balance discipline-type and solution-type research and education related to SD.

Students admitted to a master's course in any of the graduate schools (Initial Postgraduate Program) may earn up to 10 credits in other graduate schools. Approximately, 1,100 students in total join this program annually, and about 80 of them take subjects at another graduate school in FY2020. Check the graduate school or department's provisions on courses for details.

Through the NU ESD Program, it is expected that students will be acquired the value and knowledge of SD, disciplines and skills to find solutions, and ability of simultaneously achieve multiple SDGs.

SUSTAINABLE DEVELOPMENT GOALS



See our website for details on this program and ESD-related information.

Education and Research Center for Sustainable Co-Development,
Nagoya University

<http://www.nuesd.env.nagoya-u.ac.jp>



April, 2021

2021 Course Lists of Graduate Schools

Graduate School of Environmental Studies (GSES)

Syllabus: http://www.env.nagoya-u.ac.jp/syllabus/cur/sylla_senکو_e.php?sen=common&kat=ze



The association between each GSES Course and the 17 goals of SDGs is available on the website.

http://www.nuesd.env.nagoya-u.ac.jp/pdf/sdgs/ESD2021_SDGs.pdf



Classes taught in English

Classes may be taught in English (depending on the request of the students)

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Field Seminar on Environmental Studies	Seminar	M 1, 2	Spring	2	Lecture Room 1/GSES	Prof. Yasuhiko Nishizawa (Lead)	Wed.	5th
Ecology	Lecture	M 1, 2	Fall	2	Lecture Room 1/GSES	Prof. Kenichiro Sugitani, Prof. Ken Yoda	Wed.	2nd
Introduction for Sustainable Development	Lecture	M 1, 2	N/A	2	—	Prof. Masao Takano, Prof. Hirokazu Kato, Prof. Hisashi Komatsu	—	—
Sustainability and Environmental Studies	Lecture	M 1, 2	Fall	2	Lecture Room 2/GSES	Assoc. Prof. Anatoly Zinchenko, Prof. Hiroki Tanikawa, Assoc. Prof. Miho Iryo	Fri.	2nd
Studies on Water Environment	Lecture	M 1, 2	Spring	2	Lecture Room 3/GSES	Assoc. Prof. Noriyuki Kawamura (Lead)	Wed.	2nd
Environmental Studies on Natural Resources and Energy	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSES	Prof. Masao Takano	Thu.	2nd
Practical Seminar on Developing Sustainable Local Communities	Seminar	M 1, 2	Year-Round	4	Seminar Room3/GSES	Prof. Masao Takano	Mon.	5th
Science and Technology for Disaster Mitigation 1A: Understanding Natural Hazard	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSES	Prof. Yasuhiro Suzuki(Lead)	Fri.	2nd
Science and Technology for Disaster Mitigation 1B: Social Science Approaches	Lecture	M 1, 2	Fall	2	Lecture Room 1/GSES	Prof. Makoto Takahashi, Assoc. Prof. Kenji Muroi	Wed.	1st
Science and Technology for Disaster Mitigation 2: Methodology for Disaster Mitigation	Lecture	M 1, 2	Fall	2	GensaiHall/Disaster Mitigation Research Center	Assoc. Prof. Takuya Nagae(Lead)	Thu.	2nd
Science and Technology for Disaster Mitigation 3A: Practical Actions for Disaster Mitigation (1)	Lecture	M 1, 2	Spring	1	GensaiHall/Disaster Mitigation Research Center	Prof. Jun Tobita	TBD	TBD
Science and Technology for Disaster Mitigation 3B: Practical Actions for Disaster Mitigation (2)	Lecture	M 1, 2	Fall	1	GensaiHall/Disaster Mitigation Research Center	Prof. Jun Tobita	TBD	TBD
Introduction to Geology	Lecture	M 1	Spring	2	Seminar Room1/GSES	Assoc. Prof. Marc Andre Humblet	Mon.	2nd
Low Carbon Cities Studies	Lecture	M 1	Spring	2	Lecture Room 2/GSES	Prof. Hiroki Tanikawa(Lead)	Wed.	2nd
Environmental Urban Systems	Lecture	M 1, 2	Fall	2	Lecture Room 1/GSES	Assoc. Prof. Miho Iryo	Mon.	2nd
English Communication in Environmental Issues	Lecture	M 1, 2	Spring	1	Lecture Room 2/GSES	Assoc. Prof. Miho Iryo, Lecturer CHUN Sohyun	Fri.	4th
Special Lecture on Environmental Studies (English language) 1	Lecture	M 1, 2	TBD	1	TBD	Academic Affairs Committee	TBD	TBD
Special Lecture on Environmental Studies (English language) 2	Lecture	M 1, 2	TBD	2	TBD	Academic Affairs Committee	TBD	TBD
Introduction to Earth and Planetary Sciences	Lecture	M 1, 2	N/A	2	—	Assoc. Prof. Shinichi Shirono(Lead)	—	—
Global and Urban Warnings	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSES	Prof. Takeshi Nakatsuka(Lead)	Tue.	1st
Housing and Environment	Lecture	M 1, 2	Fall	2	Lecture Room 3/GSES	Assoc. Prof. Teruyuki Saito(Lead)	Tue.	2nd
Environmental Policies and Strategies	Lecture	M 1, 2	N/A	2	—	Prof. Ryo Kohsaka	—	—
Environmental Ethics	Lecture	M 1, 2	Spring	2	SIS5/Liberal Arts and Sciences Main Building	Prof. Koji Maruyama	Tue.	2nd
Classes and Research Instruction in Basic Environmental Studies I	Seminar	D 1, 2	TBD	2	TBD	Prof. Masao Takano, Prof. Hirokazu Kato, Asst. Prof. Yuji Kakimoto	TBD	TBD
Classes and Research Instruction in Basic Environmental Studies II	Seminar	D 2	TBD	2	TBD	Prof. Masao Takano, Prof. Hirokazu Kato, Asst. Prof. Yuji Kakimoto	TBD	TBD
On-site Research Training in Clinical Environmental Studies I	Field	D 1, 2	TBD	2	TBD	Prof. Hirokazu Kato, Assoc. Prof. Yasuhiro Hirano, Assoc. Prof. Noriyuki Kawamura, Asst. Prof. Yuji Kakimoto, Asst. Prof. Takafumi Miyasaka, Visiting Assoc. Prof. Hiromi Yamashita	TBD	TBD
On-site Research Training in Clinical Environmental Studies II	Field	D 2	TBD	2	TBD	Prof. Hirokazu Kato, Assoc. Prof. Yasuhiro Hirano, Assoc. Prof. Noriyuki Kawamura, Asst. Prof. Yuji Kakimoto, Asst. Prof. Takafumi Miyasaka, Visiting Assoc. Prof. Hiromi Yamashita	TBD	TBD



Graduate School of Engineering (ENGG)

Syllabus: <http://syllabus.engg.nagoya-u.ac.jp/syllabus/index.html?gcf=hcoJwpNbDq4%3D>

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Civil Engineering and Policies for Developing Countries I	Lecture	M 1, 2	Fall	2	911/ENGG Bldg. 9	Prof. Kiichiro Hayashi	Wed.	3rd
Civil Engineering and Policies for Developing Countries II	Lecture	M 1, 2	N/A	2	—	—	—	—
Advanced Theory of River Basin Management	Lecture	M 1	Spring	2	102/ENGG Bldg. 8	Prof. Yuji Toda	Tue.	1st
Conservation and Ecotoxicology of Soil and Water	Lecture	M 1	Spring	2	Seminar Room 2/ENGG Bldg. 9	Prof. Arata Katayama	Thu.	2nd

Graduate School of Economics (SOEC)

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Theme Workshop (Resource, the Environment and Economic Growth)	Seminar	M1-D3	N/A	2	—	—	—	—



Graduate School of International Development (GSID)

Syllabus: <https://www.gsid.nagoya-u.ac.jp/en/curriculum/subjects/>

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Introduction to International Development	Lecture	M 1, 2	Spring	2	Auditorium	GSID Faculty Members (Lead: TBD)	Wed.	3rd
Japan's Development Experience	Lecture	M 1, 2	Fall	2	Auditorium	GSID Faculty Members (Lead: TBD)	Wed.	3rd
Development Cooperation	Lecture	M 1, 2	Intensive	2	TBD	JICAAdjunct Prof., et al.	TBD	TBD
Development Assistance	Lecture	M 1, 2	N/A	2	—	—	—	—
Theory on Non-Governmental Organizations	Lecture	M 1, 2	N/A	2	—	—	—	—
Development Economics	Lecture	M 1, 2	Spring	2	Auditorium	Prof. Shigeru Otsubo	Tue.	2nd
Law and Development	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSID	Prof. Yuzuru Shimada	Thu.	2nd
Development and Justice	Lecture	M 1, 2	Spring	2	Auditorium	Assoc. Prof. Wataru Kusaka	Mon.	2nd
Political Institution Theory	Lecture	M 1, 2	N/A	2	—	—	—	—
Peacebuilding	Lecture	M 1, 2	TBD	2	TBD	TBD	TBD	TBD
International Development and Poverty	Lecture	M 1, 2	Spring	2	Auditorium	Prof. Sanae Ito	Thu.	2nd
International Environmental Law	Lecture	M 1, 2	N/A	2	—	—	—	—
Sustainable Tourism and Development	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSID	Prof. Tetsuo Umemura	Fri.	2nd



Graduate School of Bioagricultural Studies (GSBS)

Syllabus: <https://www.agr.nagoya-u.ac.jp/english/academics/academics-menu01.html>

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Principles of Bioagricultural Sciences	Lecture	M 1	Spring 1	1	Lecture Room 12/GSBS	GSBS Faculty Members	Tue.	1st
Forest Environment Science	Lecture	M 1	Fall 1	1	Lecture Room 7/GSBS	Assoc. Prof. Takafumi Tanaka, Asst. Prof. Ayumi Kotani, Assoc. Prof. Toko Tanikawa	Mon.	5th
Forest Biology	Lecture	M 1	Spring 2	1	Lecture Room 5/GSBS	Prof. Nobuhiro Tomaru, Prof. Naoki Hiji, Assoc. Prof. Hisashi Kajimura, Assoc. Prof. Michiko Nakagawa, Lecturer Kazuharu Ogawa, Asst. Prof. Wataru Toki	Mon.	1st
Forest Sociology	Lecture	M 1	Fall 1	1	Lecture Room 7/GSBS	Prof. Kazuhiro Harada, Assoc. Prof. Takafumi Tanaka, Assoc. Prof. Seiji Iwanaga	Fri.	1st
Forest Resource Industrialization	Lecture	M 1	Spring 2	1	Lecture Room 7/GSBS	Assoc. Prof. Mariko Yamasaki, Assoc. Prof. Kazukiyo Yamamoto, Assoc. Prof. Seiji Iwanaga, Prof. Hiroyuki Yamamoto, Asst. Prof. Kosei Ando	Thu.	5th
Advanced Soil Science	Lecture	M 1	Spring 1	1	Lecture Room 5/GSBS	Prof. Akira Watanabe, Prof. Jun Murase, Prof. Susumu Asakawa, Lecturer Takeshi Watanabe	Mon.	1st
Advanced Biomass Science	Lecture	M 1	Spring 1	1	Lecture Room 7/GSBS	Prof. Kazuhiko Fukushima, Prof. Hiroyuki Yamamoto, Assoc. Prof. Takanori Imai, Assoc. Prof. Masato Yoshida, Assoc. Prof. Yasuyuki Matsushita, Lecturer Miyuki Matsuo, Lecturer Dan Aoki	Fri.	5th
Wood Cytology	Lecture	M 1	Fall 1	1	Lecture Room 5/GSBS	Prof. Kazuhiko Fukushima, Prof. Hiroyuki Yamamoto, Assoc. Prof. Takanori Imai, Assoc. Prof. Masato Yoshida, Assoc. Prof. Yasuyuki Matsushita, Lecturer Miyuki Matsuo, Lecturer Dan Aoki	Thu.	5th
Analysis for Biological Materials	Lecture	M 1	Spring 1	1	Lecture Room 5/GSBS	Prof. Satoru Tsuchikawa, Assoc. Prof. Mariko Yamasaki, Lecturer Tetsuya Inagaki, Asst. Prof. Kosei Ando	Mon.	2nd
Nonlinear Mechanics of Materials	Lecture	M 1	Fall 1	1	Lecture Room 7/GSBS	Assoc. Prof. Mariko Yamasaki, Asst. Prof. Kosei Ando	Thu.	2nd



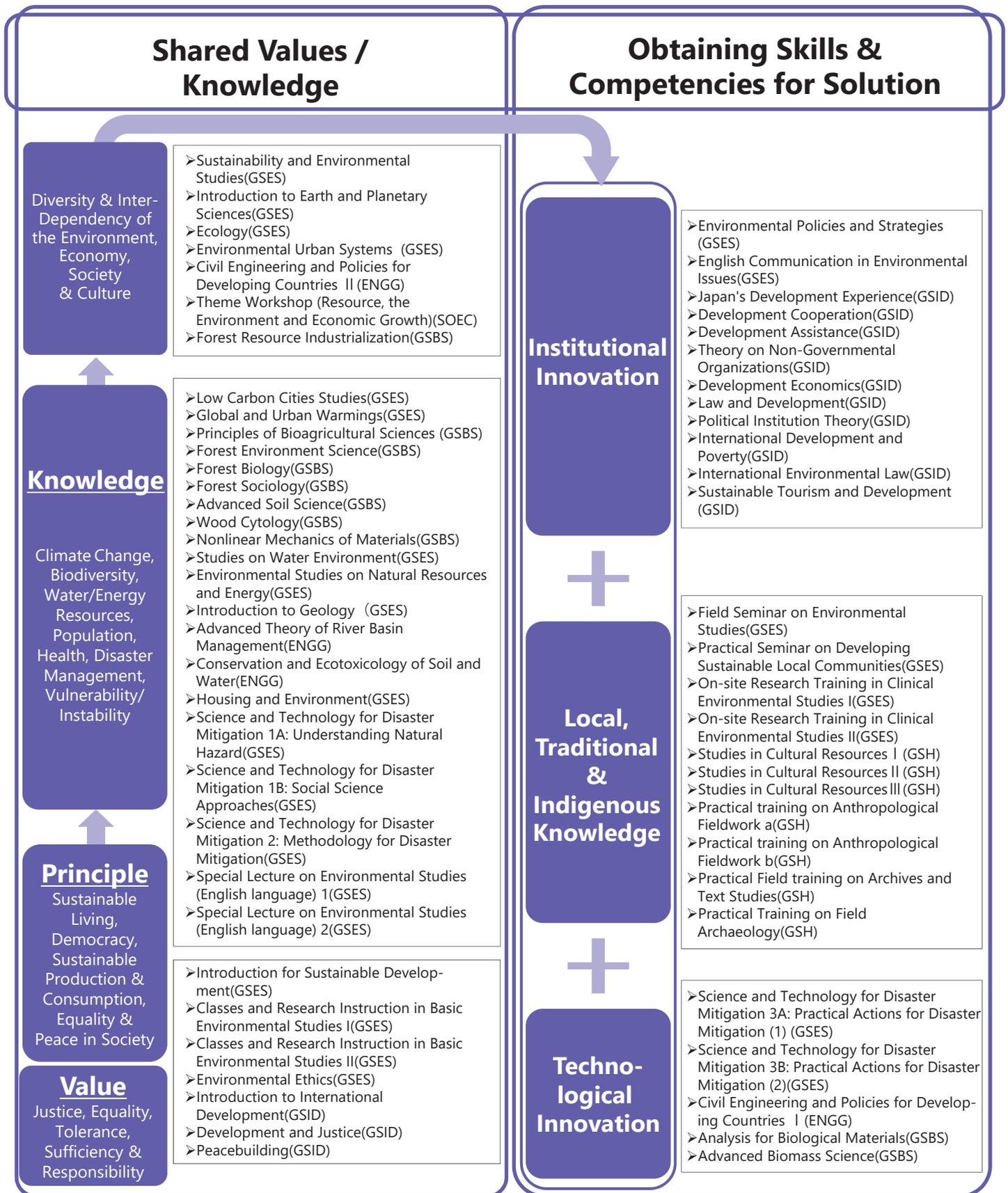
Graduate School of Humanities(GSH)

Syllabus: <https://www.hum.nagoya-u.ac.jp/en/education/education-sub2/>

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Practical Training on Field Archaeology *	Field	M 1, 2	Intensive	2	TBD	Prof. Naoto Yamamoto, Assoc. Prof. Yoshimitsu Kajiwara, Asst. Prof. Nobuyuki Ito	TBD	TBD
Practical training on Anthropological Fieldwork a	Seminar	M 1, 2	Spring	2	TBD	Prof. Shigehiro Sasaki	Mon.	4th
Practical training on Anthropological Fieldwork b	Seminar	M 1, 2	Fall	2	TBD	Prof. Shigehiro Sasaki	Mon.	4th
Practical Field training on Archives and Text Studies	Field	M 1, 2	Intensive Fall	2	TBD	Assoc. Prof. Kensuke Chikamoto	TBD	TBD
Studies in Cultural Resources I	Seminar	M 1, 2	Spring	2	TBD	Prof. Tomohiro Furuoya, Assoc. Prof. Yoshimitsu Kajiwara	Mon.	5th
Studies in Cultural Resources II	Seminar	M 1, 2	Spring	2	TBD	Prof. Tomohiro Furuoya, Assoc. Prof. Hideya Kawanishi	Mon.	1st
Studies in Cultural Resources III	Seminar	M 1, 2	Fall	2	TBD	Prof. Tomohiro Furuoya, Assoc. Prof. Hideya Kawanishi	Mon.	1st

*Please contact Assoc. Prof. Yoshimitsu Kajiwara (kajiwara@lit.nagoya-u.ac.jp), before attending (expect for Archaeology Student).

FY2021 The ESD Consortium Program Mechanism



**Nagoya University Education for Sustainable Development Program
by 6 Graduate Schools (GSES, GSID, GSBS, ENGG, SOEC, GSH)**