

FY 2018

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.**

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".

In November 2014, at the UN's 10 Years of Education for Sustainable Development (ESD) held in Nagoya, Nagoya University submitted to UNESCO a commitment to enhance the Nagoya University Education for Sustainable Development Program in order to realize the Global Action Programme formulated at the UNESCO World Conference on ESD (2005 - 2014).

In 2015, the UN adopted the 2030 Agenda for **Sustainable Development Goals (SDGs)**. SDGs have 17 goals and each goal has multiple targets, in all 169.

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.

Through the NU ESD Program, it is expected that students will be acquired ability of simultaneously achieve multiple **SDGs**.

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** (check the graduate school or department's provisions on courses for details).

Approximately, 1,000 students in total join this program annually, and about 90 of them take subjects at another graduate school every year.

	Total number of students who have joined the program	Total number of students who have taken subjects at another graduate school
FY 2013	1,028	81
FY 2014	986	85
FY 2015	944	82
FY 2016	1080	115
FY2017	982	95



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>

# 2018 Course Lists of Graduate Schools

## Graduate School of Environmental Studies (GSES)

Syllabus: [http://www.env.nagoya-u.ac.jp/english/students/index.html#students\\_07](http://www.env.nagoya-u.ac.jp/english/students/index.html#students_07)

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Frontiers of Environmental Studies 1	Lecture	M 2	Fall	2	Seminar Room 3/GSES	Prof. Makoto Takahash	Mon.	1st
Field Seminar on Environmental Studies	Seminar	M 1, 2	Spring	2	Lecture Room 1/GSES	Prof. Yasushi Yamaguchi (Lead)	Wed.	5th
Ecology	Lecture	M 1, 2	Fall	2	Lecture Room 1/GSES	Prof. Yoshihiro Natsuhara, Prof. Kenichiro Sugitani, Prof. Ken Yoda	Wed.	2nd
Introduction for Sustainable Development	Lecture	M 1, 2	Spring	2	Lecture Room 3/GSES	Prof. Tsuneo Takeuchi, Prof. Masao Takano, Prof. Hirokazu Kato, Assoc.Prof. Hisashi Komatsu, Designated Assoc.Prof. Noriko Sugiyama	Wed.	3rd
Sustainability and Environmental Studies	Lecture	M 1, 2	Fall	2	Lecture Room 2/GSES	Prof. Hiroki Tanikawa, Prof. Takayuki Morikawa	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	N/A	2	—	Prof. Masao Takano	—	—
Practical Seminar on Developing Sustainable Local Communities	Seminar	M 1, 2	Year-Round	4	Lecture Room 3/GSES	Prof. Masao Takano	Mon.	3rd
Science and Technology for Disaster Mitigation 1A: Understanding Natural Hazard	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSES	Prof. Yasuhiro Suzuki, Prof. Koshun Yamaoka, Prof. Jun Tobita, Prof. Toshihiro Noda, Prof. Norimi Mizutani, Designated Prof. Masafumi Mori, Assoc. Prof. Kazuaki Hori	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	Gensai Hall/Disaster Mitigation Research Center	Assoc. Prof. Nagahisa Hirayama, Assoc. Prof. Takuya Nagase, Prof. Nobuo Fukuwa	Thu.	2nd
Science and Technology for Disaster Mitigation 3A: Practical Actions for Disaster Mitigation (1)	Lecture	M 1, 2	Spring	1	Gensai Hall/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	Gensai Hall/Disaster Mitigation Research Center	Prof. Jun Tobita	TBD	TBD
Low Carbon Cities Studies	Lecture	M 1	Spring	2	Lecture Room 2/GSES	Prof. Hiroki Tanikawa(Lead)	Wed.	2nd
Water and Waste Management Policies	Lecture	M 1	Spring	2	Lecture Room 1/GSES	Assoc. Prof. Miho Iryo, Designated Prof. Victor Muhandiki	Wed.	1st
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	2	Lecture Room 2/GSES	Assoc. Prof. Miho Iryo, Designated Prof. Victor Muhandiki	Tue.	5th
Special Lecture on Environmental Studies (English language) 1	Lecture	M 1, 2	TBD	1	Lecture Hall/GSES	Academic Affairs Committee	TBD	TBD
Special Lecture on Environmental Studies (English language) 2	Lecture	M 1, 2	TBD	1	TBD	Academic Affairs Committee	TBD	TBD
Introduction to Earth and Planetary Sciences	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSES	Assoc. Prof. Yasuhiro Hirahara(Lead)	Tue.	1st
Global and Urban Warnings	Lecture	M 1, 2	N/A	2	—	Prof. Masato Shinoda, Prof. Kazuo Osada, Assoc. Prof. Koji Fujita	—	—
Housing and Environment	Lecture	M 1, 2	Fall	2	Lecture Room 3/GSES	Assoc. Prof. Teruyuki Saito, Prof. Satoru Kuno, Prof. Atsushi Katagi, Assoc. Prof. Kazuhisa Tsunekawa, Prof. Masaomi Teshigawara, Assoc. Prof. Tadanori Furukawa	Tue.	2nd
Environmental Policies and Strategies	Lecture	M 1, 2	Spring	2	Seminar Room 3/GSES	Prof. Tsuneo Takeuchi	Tue.	2nd
Environmental Law	Lecture	M 2	Spring	2	C445/Main Building for Inter-Departmental Education	Assoc. Prof. Yoshihiro Akabuchi	Mon.	2nd
Environmental Ethics	Lecture	M 1, 2	N/A	2	—	Prof. Yasushi Maruyama	—	—
Classes and Research Instruction in Basic Environmental Studies I	Seminar	D 1, 2	TBD	2	TBD	Prof. Hirokazu Kato, Prof. Masao Takano, Designated Assoc. Prof. Noriko Sugiyama, Asst. Prof. Yuji Kakimoto	TBD	TBD
Classes and Research Instruction in Basic Environmental Studies II	Seminar	D 2	TBD	2	TBD	Prof. Hirokazu Kato, Prof. Masao Takano, Designated Assoc. Prof. Noriko Sugiyama, 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, Prof. Masao Takano, Assoc. Prof. Yasuhiro Hirano, Assoc. Prof. Noriyuki Kawamura, Designated Assoc. Prof. Noriko Sugiyama, 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, Prof. Masao Takano, Assoc. Prof. Yasuhiro Hirano, Assoc. Prof. Noriyuki Kawamura, Designated Assoc. Prof. Noriko Sugiyama, 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&k=wpX3izGdMLU%3D>

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Civil Engineering and Policies for Developing Countries I	Lecture	M 1	N/A	2	—	—	—	—
Civil Engineering and Policies for Developing Countries II	Lecture	M 2	Fall	2	911/ENGG Bldg. 9	Prof. Kiichiro Hayashi	Wed.	3rd, 4th
Advanced Theory of River Basin Management	Lecture	M 1	Spring	2	Seminar Room 2/ENGG Bldg. 9	Prof. Yuji Toda	Tue.	2nd
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)

Syllabus : <http://www2.soec.nagoya-u.ac.jp/education-en/programs-en/>

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Theme Workshop (Resouse, the Environment and Economic Growth)	Seminar	M1-D3	Year-Round	2	Seminar Room 18/SOEC	Prof. Jinjun Xue	TBD	TBD

## Graduate School of International Development (GSID)

Syllabus: <http://syllabus3.gsid.nagoya-u.ac.jp/Syllabuses/index/sort:year/direction:asc?lang=en>

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: Prof. Ito, Assoc. Prof. Someya)	Wed.	3rd
Japan's Development Experience	Lecture	M 1, 2	Fall	2	Auditorium	GSID Faculty Members (Lead: Prof. Ohashi, Assoc. Prof. Utsumi)	Wed.	3rd
Development Cooperation	Lecture	M 1, 2	N/A	2	—	—	—	—
Development Assistance	Lecture	M 1, 2	Intensive	2	TBD	Adjunct Prof. Hiroshi Takeuchi, et al.	TBD	TBD
Theory on Non-Governmental Organizations	Lecture	M 1, 2	Intensive	2	TBD	Adjunct Prof. Masato Noda	—	—
Development Economics	Lecture	M 1, 2	Spring	2	Lecture Room 3/GSID	Prof. Shigeru Otsubo	Tue.	2nd
Law and Development	Lecture	M 1, 2	Spring	2	Seminar Room 9/GSID	Prof. Yuzuru Shimada	Thu.	2nd
Development and Justice	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSID	Assoc. Prof. Wataru Kusaka	Fri.	2nd
Political Institution Theory	Lecture	M 1, 2	Fall	2	Lecture Room 2/GSID	Assoc. Prof. Isamu Okada	Tue.	2nd
Peacebuilding	Lecture	M 1, 2	Spring	2	Seminar Room 6/GSID	Prof. Yukiko Nishikawa	Mon.	2nd
International Development and Poverty	Lecture	M 1, 2	Spring	2	Lecture Room 2/GSID	Prof. Sanae Ito	Thu.	5th
International Environmental Law	Lecture	M 1, 2	Spring	2	Lecture Room 4/Info-Sci Bldg.	Prof. Yukari Takamura	Fri.	2nd
Sustainable Tourism and Development	Lecture	M 1, 2	N/A	2	—	—	—	—

## Graduate School of Bioagricultural Studies (GSBS)

Syllabus : <http://www.agr.nagoya-u.ac.jp/graduate-school/grsc-kougiouran.html>

Course Title	Format	Class	Semester	Credit	Room	Instructors	Day	Period
Principles of Bioagricultural Sciences	Lecture	M 1	Spring	1	Lecture Room 12/GSBS	GSBS Faculty Members	Tue.	1st
Forest Environment Science	Lecture	M 1	Fall	1	Lecture Room 7/GSBS	Prof. Chisato Takenaka, Prof. Takeshi Ota, Assoc. Prof. Takafumi Tanaka, Asst. Prof. Rie Tomioka, Asst. Prof. Ayumi Kotani	Mon.	5th
Forest Biology	Lecture	M 1	Spring	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	Wed.	1st
Forest Sociology	Lecture	M 1	Fall	1	Lecture Room 7/GSBS	Prof. Kazuhiro Harada, Assoc. Prof. Takafumi Tanaka, Designated Asst. Prof. Yui Sunano	Fri.	1st
Forest Resource Industrialization	Lecture	M 1	Spring	1	Lecture Room 7/GSBS	Prof. Hiroyuki Yamamoto, Assoc. Prof. Mariko Yamasaki, Assoc. Prof. Kazukiyo Yamamoto, Asst. Prof. Kosei Ando	Thu.	5th
Advanced Soil Science	Lecture	M 1	Spring	1	Lecture Room 7/GSBS	Prof. Susumu Asakawa, Assoc. Prof. Jun Murase, Lecturer Takeshi Watanabe, Prof. Akira Watanabe	Tue.	2nd
Advanced Biomass Science	Lecture	M 1	Spring	1	Lecture Room 7/GSBS	Prof. Kazuhiko Fukushima, Prof. Hiroyuki Yamamoto, Assoc. Prof. Masato Yoshida, Assoc. Prof. Yasuyuki Matsushita, Lecturer Dan Aoki, Lecturer Miyuki Matsuo, Assoc. Prof. Takanori Imai	Fri.	5th
Wood Cytology	Lecture	M 1	Fall	1	Lecture Room 7/GSBS	Prof. Kazuhiko Fukushima, Prof. Hiroyuki Yamamoto, Assoc. Prof. Masato Yoshida, Assoc. Prof. Yasuyuki Matsushita, Lecturer Dan Aoki, Lecturer Miyuki Matsuo, Assoc. Prof. Takanori Imai	Fri.	5th
Analysis for Biological Materials	Lecture	M 1	Spring	1	Lecture Room 5/GSBS	Prof. Satoru Tsuchikawa, Assoc. Prof. Mariko Yamasaki, Asst. Prof. Kosei Ando, Lecturer Tetsuya Inagaki	Mon.	2nd
Nonlinear Mechanics of Materials	Lecture	M 1	Fall	1	Lecture Room 7/GSBS	Assoc. Prof. Mariko Yamasaki, Asst. Prof. Kosei Ando	Thu.	2nd

## Graduate School of Humanities(GSH)

Syllabus : <http://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*	Seminar	M 1, 2	Intensive	2	TBD	Prof. Naoto Yamamoto, Assoc. Prof. Yoshimitsu Kajiwara, Asst. Prof. Nobuyuki Ito, Asst. Prof. Akira Ichikawa	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	Seminar	M 1, 2	Fall	2	TBD	Prof. Yasuro Abe, Assoc. Prof. Kensuke Chikamoto	Tue.	5th
Studies in Cultural Resources I	Seminar	M 1, 2	Spring	2	TBD	Prof. Tomohiro Furuoya, Assoc. Prof. Yoshimitu Kajiwara	Mon.	5th
Studies in Cultural Resources II	Seminar	M 1, 2	Spring	2	TBD	Prof. Tomohiro Furuoya	Mon.	1st
Studies in Cultural Resources III	Seminar	M 1, 2	Fall	2	TBD	Prof. Tomohiro Furuoya	Mon.	1st

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

Classes taught in English

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

# FY2018 The ESD Consortium Program Mechanism



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