



IPB University
— Bogor, Indonesia —

PSL-IPB
Security, Resilience & Sustainability



**MASTER & DOCTORAL STUDY PROGRAM
NATURAL RESOURCES AND
ENVIRONMENTAL MANAGEMENT SCIENCE**



**GRADUATE SCHOOL
IPB UNIVERSITY**

INTRODUCTION

The Study program of Natural Resources and Environmental Management Science (NERM-SP) or known as PS-PSL IPB is a multidisciplinary post graduate study program offered by IPB University which is mandated to carry out advanced education, research, and outreach resulted from the development of arts, science, and technology on natural resources and environmental management in order to reach and develop sustainable and environmentally sound development concept.

Master Program of PS-PSL was established in 1975, while the Doctoral Program was established in 1976. This study program is one of the oldest graduate school environmental study programs in Indonesia with accreditation A (excellent) from BAN-DIKTI. Until mid-2015, PS-PSL has graduated more than 1.000 Masters of Science (M.Si) and 500 Doctors (Dr). The graduates of PS-PSL have played important roles professionally in various sectors as academics, bureaucrats, consultants, NGOs, etc.

VISION

To become a leading study program in the tropical region in producing human resources and developing science and technology and arts (IPTEKS) in the field of natural resources and environmental management in order to realize sustainable development.

MISION

1. To provide an educational Master Program and Doctoral Program in the field of natural resource management and the environment professionally to produce innovative and tested work.
2. To provide and pioneering research activities (basic and applied) in development of science and technology and arts in the field of sustainable natural resource and environmental management in an integrated manner through an inter or multidisciplinary approach
3. To become a *"trend setter"* of Master Program and Doctoral Program in Indonesia and tropical areas.

CONCENTRATION OF STUDY INTEREST

MASTER PROGRAM (S2)

Environmental Diplomacy

Environmental Change, Pollution, and Disaster Management

Sustainable Agro-maritime System

DOCTORAL PROGRAM (S3)

Policy and System of Natural Resources Management and Sustainable Environment

Management of Ecosystem Dynamics and Environmental Services

Management and Mitigation of Environmental Damage, Disaster, and Global Change

INTERNATIONAL PARTNERSHIP

PS-PSL IPB is collaborating with partners both from Indonesia and foreign countries, particularly for student exchange program, double degree program, joint degree program, and credit earning. Several international collaborations including:

- ▶ Tokyo University of Agriculture and Technology, Japan
- ▶ Ibaraki University, Japan
- ▶ Ehime University, Japan (SUJI Program)
- ▶ Graduate School of Environmental Studies, Kyoto University, Japan
- ▶ The University of Rhode Island, USA
- ▶ Arizona State University, USA
- ▶ Seven universities in Asia (SUSTEP ASIA Network)
- ▶ Tsukuba University (JASSO & SATO YO FOUNDATION)
- ▶ Hokkaido University (PARE Program)
- ▶ Food Security & Climate Change MS-FSC
- ▶ Queensland University, Australia
- ▶ Lancaster University, United Kingdom

FACILITIES

Classroom with audio-visual facilities and internet network, library, seminar room, and administrative service room.



HEAD OF STUDY PROGRAM

MASTER PROGRAM (S2)

Hadi Susilo Arfin, Prof.Dr.

DOCTORAL PROGRAM (S3)

Widiatmaka, Prof.Dr.

SECRETARY OF STUDY PROGRAM

MASTER PROGRAM (S2)

Syartinilia, Dr.

DOCTORAL PROGRAM (S3)

Lina Karlinasari, Prof.Dr.

TEACHING STAFF

Achyar Ismail, Dr.

Akhmad Fauzi, Prof.Dr.

Anas M Fauzi, Prof.Dr.

Andes Ismayana, Dr.

Andrea Emma Pravitasari, Dr.

Ani Mardiastuti, Prof.Dr.

Anuraga Jayanegara, Dr.

Arif Satria, Prof.Dr.

Bambang Pramudya, Prof.Dr.*

Boedi Tjahjono, Dr.

Cecep Kusmana, Prof.Dr.

Damayanti, Prof.Dr.

Didik Suhardjito, Prof.Dr.

Dodik R Nurrochmat, Prof.Dr.

Dyah Tjahjandari, Dr.

Edy Hartulistiyoso, Dr.

Eka Intan Kumala Putri, Dr.

EKS Harini Muntasib, Prof.Dr.

Endriatmo Soetarto, Prof.Dr.

Eriyatno, Prof.Dr.*

Erliza Noor, Prof.Dr.

Ernan Rustiadi, Dr.

Etty Riani, Prof.Dr.

Euis Sunarti, Prof.Dr.

Fifi Gus Dwiyaniti, Dr.

Hadi S. Alikodra, Prof.Dr.*

Hadi Susilo Arfin, Prof.Dr.

Hari Wijayanto, Prof.Dr.

Hariadi Kartodihardjo, Prof.Dr.

Hariyadi, Dr.

Hasim, Dr.

Hartrisari H, Dr.

Hefni Effendi, Prof.Dr.

Herry Purnomo, Prof.Dr.

Iin Ichwandi, Dr.

Imas S Sitanggang, Prof.Dr.

Irman Firmansyah, Dr.**

Iskandar Z Siregar, Prof.Dr.

Kaswanto, Dr.

Lailan Syaufina, Dr.

Lilik Budi Prasetyo, Prof.Dr.

Lina Karlinasari, Prof.Dr.

M Yanuar J Purwanto, Dr.

Mala Nurilmala, Dr.

Machfud, Prof.Dr.

Marimin, Prof.Dr.

Mirza D Kusriani, Dr.

Moh Yani, Dr.

Muhammad Nur Aidi, Dr.

Nuva, Dr.

Nurul Isnaeni, Dr.**

Nur Masripatin, Dr.**

Nyoto Santoso, Dr.

Perdinan, Ph.D.

Rinekso Soekmadi, Dr.

Rizaldi Boer, Prof.Dr.

Ruchyat Deni Djakapermana, Dr.*

Sambas Basuni, Prof.Dr.

Setyo Pertiwi, Dr.

Sigid Hariyadi, Dr.

Siti Badriyah Rushayati, Dr.

Soeryo Adi Wibowo, Dr.*

Sri Budiarti, Prof.Dr.

Sri Mulatsih, Dr.

Sumardjo, Prof.Dr.

Suria Darma Tarigan, Dr.

Surjono Hadi Sutjahjo, Prof.Dr.

Syaiful Anwar, Dr.

Syartinilia, Dr.

Tania June, Dr.

Widiatmaka, Prof.Dr.

Wonny A Ridwan, Dr.

Yeti Lis Purnamadewi, Dr.

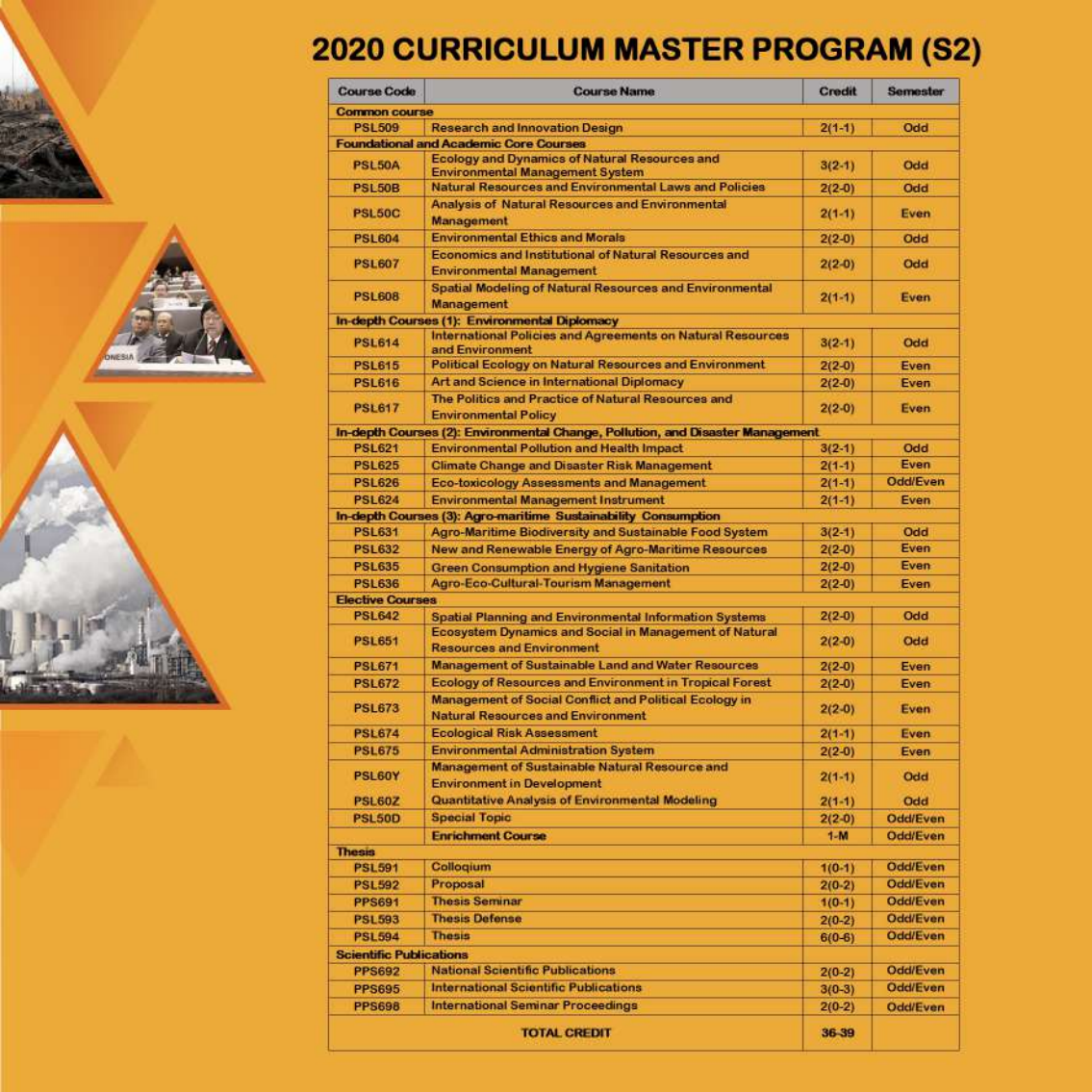
Yucdi Setiawan, Dr.

Zaenal Abidin, Dr.

Notes: *NIDK lecture; **Not permanent lecturers; ***Permanent lecturer of Department of International Relations of FISIP UI

2020 CURRICULUM MASTER PROGRAM (S2)

| Course Code | Course Name | Credit | Semester |
|---|--|--------------|----------|
| Common course | | | |
| PSL509 | Research and Innovation Design | 2(1-1) | Odd |
| Foundational and Academic Core Courses | | | |
| PSL50A | Ecology and Dynamics of Natural Resources and Environmental Management System | 3(2-1) | Odd |
| PSL50B | Natural Resources and Environmental Laws and Policies | 2(2-0) | Odd |
| PSL50C | Analysis of Natural Resources and Environmental Management | 2(1-1) | Even |
| PSL604 | Environmental Ethics and Morals | 2(2-0) | Odd |
| PSL607 | Economics and Institutional of Natural Resources and Environmental Management | 2(2-0) | Odd |
| PSL608 | Spatial Modeling of Natural Resources and Environmental Management | 2(1-1) | Even |
| In-depth Courses (1): Environmental Diplomacy | | | |
| PSL614 | International Policies and Agreements on Natural Resources and Environment | 3(2-1) | Odd |
| PSL615 | Political Ecology on Natural Resources and Environment | 2(2-0) | Even |
| PSL616 | Art and Science in International Diplomacy | 2(2-0) | Even |
| PSL617 | The Politics and Practice of Natural Resources and Environmental Policy | 2(2-0) | Even |
| In-depth Courses (2): Environmental Change, Pollution, and Disaster Management | | | |
| PSL621 | Environmental Pollution and Health Impact | 3(2-1) | Odd |
| PSL625 | Climate Change and Disaster Risk Management | 2(1-1) | Even |
| PSL626 | Eco-toxicology Assessments and Management | 2(1-1) | Odd/Even |
| PSL624 | Environmental Management Instrument | 2(1-1) | Even |
| In-depth Courses (3): Agro-maritime Sustainability Consumption | | | |
| PSL631 | Agro-Maritime Biodiversity and Sustainable Food System | 3(2-1) | Odd |
| PSL632 | New and Renewable Energy of Agro-Maritime Resources | 2(2-0) | Even |
| PSL635 | Green Consumption and Hygiene Sanitation | 2(2-0) | Even |
| PSL636 | Agro-Eco-Cultural-Tourism Management | 2(2-0) | Even |
| Elective Courses | | | |
| PSL642 | Spatial Planning and Environmental Information Systems | 2(2-0) | Odd |
| PSL651 | Ecosystem Dynamics and Social in Management of Natural Resources and Environment | 2(2-0) | Odd |
| PSL671 | Management of Sustainable Land and Water Resources | 2(2-0) | Even |
| PSL672 | Ecology of Resources and Environment in Tropical Forest | 2(2-0) | Even |
| PSL673 | Management of Social Conflict and Political Ecology in Natural Resources and Environment | 2(2-0) | Even |
| PSL674 | Ecological Risk Assessment | 2(1-1) | Even |
| PSL675 | Environmental Administration System | 2(2-0) | Even |
| PSL60Y | Management of Sustainable Natural Resource and Environment in Development | 2(1-1) | Odd |
| PSL60Z | Quantitative Analysis of Environmental Modeling | 2(1-1) | Odd |
| PSL50D | Special Topic | 2(2-0) | Odd/Even |
| | Enrichment Course | 1-M | Odd/Even |
| Thesis | | | |
| PSL591 | Colloquium | 1(0-1) | Odd/Even |
| PSL592 | Proposal | 2(0-2) | Odd/Even |
| PPS691 | Thesis Seminar | 1(0-1) | Odd/Even |
| PSL593 | Thesis Defense | 2(0-2) | Odd/Even |
| PSL594 | Thesis | 6(0-6) | Odd/Even |
| Scientific Publications | | | |
| PPS692 | National Scientific Publications | 2(0-2) | Odd/Even |
| PPS695 | International Scientific Publications | 3(0-3) | Odd/Even |
| PPS696 | International Seminar Proceedings | 2(0-2) | Odd/Even |
| TOTAL CREDIT | | 36-39 | |



2020 CURRICULUM DOCTORAL PROGRAM (S3)

| Kode MK | Nama MK | Kredit | Semester |
|--|--|--------------|----------|
| Common Course | | | |
| PPS704 | Philosophy of Science | 2(2-0) | Odd |
| Foundational and Academic Core Courses | | | |
| PSL701 | Hybrid Method of Management and Valuation in Natural Resources and Environment | 2(1-1) | Odd |
| PSL702 | Systems Approach and Multi-Criteria Decision Making | 2(2-0) | Odd |
| PSL703 | Policy and Institutional Management of Sustainable Natural Resources and Environment | 2(2-0) | Odd |
| PSL704 | Design and Complexity of Science in Management of Natural Resources and Environment | 2(1-1) | Even |
| In-depth Courses (1): Natural Resources and Environmental Management Policies and Systems | | | |
| PSL642 | Spatial Planning and Environmental Information Systems | 2(2-0) | Even |
| PSL741 | System Modelling and Engineering in Management of Natural | 2(1-1) | Even |
| In-depth-Course (2): Management of Ecosystem Dynamics and Environmental Services | | | |
| PSL651 | Ecosystem Dynamics and Social in Management of Natural Resources and Environment | 2(2-0) | Even |
| PSL751 | Ecology and Management of Environmental Services | 2(2-0) | Even |
| In-depth-Course (3): Management and Mitigation of Environmental Damage, Disasters and Global Environmental Change | | | |
| PSL661 | Global Environmental Change and Disaster Mitigation | 2(2-0) | Even |
| PSL626 | Management and Assessment of Eco-toxicology | 2(1-1) | Even |
| Elective Courses | | | |
| PSL671 | Management of Sustainable Land and Water Resources | 2(2-0) | Even |
| PSL672 | Ecology of Resources and Environment in Tropical Forest | 2(2-0) | Even |
| PSL673 | Management of Social Conflict and Political Ecology in Natural Resources and Environment | 2(2-0) | Even |
| PSL674 | Ecological Risk Assessment | 2(1-1) | Even |
| PSL675 | Environmental Administration System | 2(2-0) | Even |
| PSL603 | Spatial Modeling of Natural Resources and Environmental Management | 2(1-1) | Even |
| PSL621 | Pollution and Environmental Health | 3(2-1) | Odd |
| PSL625 | Risk Management of Climate Change and Disaster | 2(1-1) | Even |
| PSL70D | Special topic | 2(2-0) | Odd/Even |
| Enrichment Course | | 1-M | Odd/Even |
| Dissertation | | | |
| PSL791 | Pre-qualifying Writing Examination | 2(0-2) | Odd/Even |
| PSL792 | Pre-qualifying Oral Examination | 2(0-2) | Odd/Even |
| PSL793 | Colloquium | 1(0-1) | Odd/Even |
| PSL794 | Research Proposal | 2(0-2) | Odd/Even |
| PPS791 | Dissertation Seminar | 1(0-1) | Odd/Even |
| PSL795 | Dissertation | 12(0-12) | Odd/Even |
| PSL796 | Dissertation Closed Examination | 3(0-3) | Odd/Even |
| Scientific Publication | | | |
| Option 1 | | | |
| PPS792 | National Scientific Publication | 2(0-2) | Odd/Even |
| PPS793 | International Scientific Publication | 3(0-3) | Odd/Even |
| Pilihan 2 | | | |
| PPS793 | International Scientific Publication | 3(0-3) | Odd/Even |
| PPS798 | International Seminar Proceedings | 2(0-2) | Odd/Even |
| Pilihan 3 | | | |
| PPS794 | International Scientific Publication | 3(0-3) | Odd/Even |
| PPS795 | International Scientific Publication | 3(0-3) | Odd/Even |
| TOTAL CREDIT | | 44-45 | |

REGISTRATION SCHEDULE

Session I (DIKTI) : early January - late April

Session II : early May - middle July

TERM OF REGISTRATION

1. Online Registration for all applicants at <http://pmbpasca.ipb.ac.id>
2. Fill out the registration form / FORM A, and attach:
 - a. Legalized photocopy of Bachelor certificate and transcript (for Master Program applicants) and legalized photocopy of Bachelor certificate, Bachelor transcript, Master certificate and Master transcript (for Doctoral Program applicants)
 - b. Scientific paper / FORM B (for Doctoral Program applicants only)
 - c. Letter of recommendation (from 3 recommender) / FORM C, with criterias:
 - One of recommender must come from lecturers/teaching staff from universities
 - The qualifications of recommenders must have a minimum Master degree for Master Program applicants and have a minimum Doctoral degree for doctoral program applicants
 - d. Synopsis of research plan (maximum of 3 pages)
 - e. TPA's certificate (UUOPT Bappenas), with criterias:
 - TPA Score ≥ 450 for Regular / by Research Class of Master Program applicants with GPA 2.00 – 2.50
 - TPA Score ≥ 475 for Regular / by Research Class of Doctoral Program applicants with GPA 3.00 – 3.25
 - TPA Score ≥ 475 for Special Class of Master Program applicants
 - TPA Score ≥ 500 for Special Class of Doctoral Program applicants
 - f. TOEFL/IELTS certificate (until August)
 - g. Approval letter from superiors (for working applicants only)
3. The selection results will be announced at <https://registrasi.admisi.ipb.ac.id/>. Letter of selection result and verification can be downloaded on that page using the registration user access
4. The special class will be opened if there are minimum 15 participants who pass the selection from Master Program and 10 participants from Doctoral program
5. For applicants through Indonesia Kemenristekdikti scholarship program must register directly on the website according to the selected scheme
6. For applicants through Kemenkeu (LPDP) scholarship program must register directly on the website according to the selected scheme
7. For applicants through BUD/BPPDN/Affirmation, only one choice of study program is allowed and must be the same as selected study program on BUD/BPPDN/Affirmation scholarship website
8. For Doctoral Program applicants whose master's degree is Master of Management (MM) or Professional Master, the study program must be accredited A (Excellent)
9. For applicants who do not meet all predetermined requirements until the closing of registration, will not be included in the selection process

COURSE FEE

| | Fee | |
|------------------------------|----------------|------------------|
| | Master Program | Doctoral Program |
| Selection fee | USD 100 | |
| Matriculation fee per credit | USD 150 | USD 200 |
| Tuition fee per semester | USD 2000 | USD 2500 |





SECRETARIAT OFFICE

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Instagram : [@pslipb](https://www.instagram.com/pslipb)

Youtube : Pascasarjana PSL IPB