

Hiroshima University

Title of Track	Global Development Policy (30 ECTS)
University offering the track	Hiroshima University, Japan
Learning Objectives	<p>The track Global Development Policy covers fundamental theories and basic functions of public policy and their practical applications to development issues at both local and global perspectives. In particular, Goal 1: No Poverty, Goal 2: Zero Hunger, Goal 3: Good Health and Well-Being, Goal 4: Quality education, and Goal 8: Decent Work and Economic Growth and Goal 10: Reduced Inequalities, are the primary target areas and Goal 11: Sustainable Cities and Communities, Goal 12: Responsible Consumption and Production are the secondary target areas. The track also emphasizes hands on and practical research experiences in developing countries in Asia and Africa, where further integration with science and technologies, local realities such as natural and geographical conditions are pursued.</p> <p>Upon completion of the course, students will gain basic knowledge on public policy and management, and governance in relation to poverty alleviation and economic development, including SME development and industrialisation, human resource management and education, health and welfare, agricultural and rural development, urban and transportation, environmental protection and natural resource conservation. The students will also be able to identify problems related to social systems and institutions for sustainable development and translate them into a research design in the targeted social contexts. At the end, the students will also be able to propose a policy and institutional solution based on the research conducted as a part of Master thesis.</p>
Courses	<ul style="list-style-type: none"> ○ Applied Econometrics I (2=4 ECTS) ○ Applied Econometrics II (2=4 ECTS) ○ Economic Statistical Analysis (2=4 ECTS) ○ Urban Economics (2=4 ECTS) ○ Human Resource Development (2=4 ECTS) ○ Corporate Strategy (2=4 ECTS) ○ International Cooperation (2=4 ECTS) ○ International Finance (2=4 ECTS) ○ Developing Designing Ability (2=4 ECTS) ○ International Environmental Cooperation Studies (2=4 ECTS) ○ Practical Seminar on International Cooperation Project (2=4 ECTS) ○ Research Method (2=4 ECTS) ○ Game Theory (2=4 ECTS) ○ Quantitative and Analytical Social Science (2=4 ECTS) <ul style="list-style-type: none"> • All courses are optional. • 1 credit at Hiroshima University is equivalent to 2 ECTS. • In case students wish to take the other subjects other than those above, they are requested to receive the approval of their academic advisor. Hiroshima University is not responsible for the credit transfer of those subjects. • To obtain a student visa, students must take at least 7 classes (10 hours) in a week (90 minutes per class). Otherwise, after auditing at least 4 classes (6 hours) then the shortage can be supplemented by research carried out under the supervision of the academic supervisor.
Teaching Methods	<ul style="list-style-type: none"> • 2 credits course (equivalent to 4 ECTS) consists of 15 classes (90min. each, including exercise) • All classes are provided in English
Modes of Assessment	<p>Evaluation will be done by reports and/or examinations.</p> <p>Grading: S(100-90%), A(89-80%), B(79-70 %), C(69-60%), D(below 59%, fail)</p>
Presumed prior knowledge	<p>Students who take this track are recommended to have fundamental knowledge of</p> <ul style="list-style-type: none"> • Mathematics (Calculus, Statistics)
Offered in (winter/summer semester)	Summer semester

Title of Track	Science and Technology for Sustainable Development (30 ECTS)
University offering the track	Hiroshima University, Japan
Learning Objectives	<p>The track Science and Technology for Sustainable Development covers fundamental theories and basic functions of natural and ecological systems and the technologies that can be used for the development of society. In particular Goal 6: Clean Water and Sanitation, Goal 7: Affordable and Clean Energy, Goal 13: Climate Action, Goal 14: Life below Sea, and Goal 15: Life on Land are the primary target areas and Goal 9: Industry, Innovation and Infrastructure, Goal 11: Sustainable Cities and Communities, Goal 12: Responsible Consumption and Production are the secondary target areas. The track also emphasises hands on and practical research experiences in developing countries in Asia and Africa, where further integration with economic development, local realities and policy and institutional issues are pursued.</p> <p>Upon completion of the course, the students will gain basic knowledge on Ecosystem Science, Environment Monitoring, Transportation & Urban Engineering, Energy Engineering, Marine Engineering, and Risk Management Technology. The students will also be able to identify problems related to science and technology for sustainable development and translate them into a research design in the targeted social contexts. At the end, the students will also be able to propose a scientific and engineering solution based on the research conducted as a part of Master thesis.</p>
Courses	<ul style="list-style-type: none"> ○ Environmental Management (2=4 ECTS) ○ Development Technology (4=8 ECTS) ○ Transportation Engineering (2=4 ECTS) ○ Transportation Planning (2=4 ECTS) ○ Sustainable Architecture A (2=4 ECTS) ○ Sustainable Architecture B (2=4 ECTS) ○ Energy Science and Technology (2=4 ECTS) ○ Numerical Environmental Impact Assessment II (2=4 ECTS) ○ Botany Resources for the Future (2=4 ECTS) ○ Management and Conservation of Ecosystems (2=4 ECTS) ○ Developing Designing Ability (2=4 ECTS) ○ International Environmental Cooperation Studies (2=4 ECTS) ○ Practical Seminar on International Cooperation Project (2=4 ECTS) ○ Environmental Health Science (2=4 ECTS) ○ Smart Urban Development (2=4 ECTS) <ul style="list-style-type: none"> ▪ All courses are optional. ▪ 1 credit at Hiroshima University is equivalent to 2 ECTS. ▪ In case students wish to take the other subjects other than those above, they are requested to receive the approval of their academic advisor. Hiroshima University is not responsible for the credit transfer of those subjects. ▪ To obtain a student visa, students must take at least 7 classes (10 hours) in a week (90 minutes per class). Otherwise, after auditing at least 4 classes (6 hours) then the shortage can be supplemented by research carried out under the supervision of the academic supervisor.
Teaching Methods	<ul style="list-style-type: none"> ▪ 2 credits course (equivalent to 4 ECTS) consists of 15 classes (90min. each, including exercise) ▪ All classes are provided in English
Modes of Assessment	<p>Evaluation will be done by reports and/or examinations.</p> <p>Grading: S(100-90%), A(89-80%), B(79-70 %), C(69-60%), D(below 59%, fail)</p>
Presumed prior knowledge	<p>Students who take this track are recommended to have fundamental knowledge of</p> <ul style="list-style-type: none"> ▪ Mathematics (Calculus, Statistics) ▪ Sciences (Biology, Chemistry, Ecology, Physics, Geology)
Offered in (winter/summer semester)	Summer semester