

Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University)

Master's Course, Graduate School of Advanced Science and Engineering,
Hiroshima University
AY2022 Self-inspection and Annual Report

(Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University))

General comments on the evaluation results

The Graduate School of Advanced Science and Engineering consists of two departments: the Department of Advanced Science and Engineering, which offers both the master and the doctoral programs, and also the Joint International Master's Program in Sustainable Development (Hiroshima University – Leipzig University) (hereinafter referred to as the Joint Degree Program), which offers a master's program. The Graduate School was established in April 2020 (October 2020 for the Joint Degree Program). The basic philosophy of the Graduate School is to develop human resources with a high degree of specialization, interdisciplinarity, internationality, practical social skills and problem-solving skills, etc., and each major and degree program comprising the major has its specific 'three policies' to realise this philosophy. To establish the Graduate School, repeated consultations were held with MEXT's institution in charge of the application for approval of its establishment, and the basic principles, policies and curricula were meticulously designed and approved for establishment.

The result of the self-inspection in FY2022 was a rating of (5) (fully compliant) for all analysis items, except for items (6-6-1 to 6-6-4) which could not be evaluated due to a lack of analysis data, etc., based on the evidence described in this document.

Until the year 2021, students who were unable to travel to Japan due to the COVID-19 pandemic were affected, forcing them to change their study schedules. However, we will continue to work together with the Leipzig University to identify issues and to consider improvement measures based on the needs of students and, etc.

Area 1: Criteria for basic organization for education and research

Criterion 1-1: A management system necessary for developing educational and research activities, etc. is properly established and functioning.

Analysis item 1-1-1	Faculty Meeting, etc. carry out necessary activities to deliberate on important matters concerning educational activities.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering

Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Number of meetings held: Board of Representatives: 13(Number of members: 26) Faculty Meeting: 2 Academic Affairs Committee: 13 (Number of members: 19)
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q To carry out appropriate educational activities for the students (admission quota: 2) in cooperation with Leipzig University, the Board of Representatives (Faculty Meeting) deliberates on important matters concerning educational activities, such as the establishment of the Thesis Screening Committee and the recognition of completion and credits. In addition, the Academic Affairs Committee deliberates on matters concerning the organization of the curriculum, preparation of the syllabus and timetables, guidance for new students, education for students on learning, employment and research ethics, and other matters related to support for students on academic affairs and student life. s The Graduate School has built a system in which the program faculty meeting will deliberate on the implementation status of grading/ credit approval/ student guidance/ and research ethics education, on the career paths of graduates, on verification of the results of questionnaires at the time of graduation and questionnaires about job hunting, and on self-assessment of program education. It has also built a system in which the results of these deliberations will be checked and evaluated by the Delegates' Meeting, and if any problems are found, the Board of Representatives (Self-inspection and Evaluation Committee) or the Academic Affairs Committee will examine the curriculum and other areas for improvement.

Area 2: Criteria for internal quality assurance

Criterion 2-1: Internal quality assurance is functioning effectively.

Analysis item 2-1-1	Initiatives to systematically and continuously collect and analyze the information necessary for self-inspection/evaluation are implemented in the school or the program, and verification is conducted on whether such initiatives are functioning effectively.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering

Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Number of meetings held by the Self-inspection and Evaluation Committee: 7 (Number of members: 23), The minute of the program faculty meeting.
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q The Self-inspection and Evaluation Committee conducts inspections and evaluation of educational activities, etc. and accumulates the results of the class improvement questionnaire for each term as evidence. It also has a functioning feedback system, returning faculty members' comments in response to students' evaluation in the class improvement questionnaire. s Tha Graduate School has built a system in which the program faculty meeting will deliberate on the implementation status of grading/ credit approval/ student guidance/ and research ethics education, on the career paths of graduates, on verification of the results of questionnaires at the time of graduation and questionnaires about students' employers, and on self-assessment of program education. It has also built a system in which the results of these deliberations will be checked and evaluated by the Delegates' Meeting, and if any problems are found, the Board of Representatives (Self-inspection and Evaluation Committee) or the Academic Affairs Committee will examine the curriculum and other areas for improvement.

Analysis item 2-1-2	The opinions of students, alumni and other parties concerned are collected and analyzed systematically and continuously, and efforts for utilizing such opinions are made.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Results of the class improvement questionnaire by MOMIJI Completion Schedule (Master's Courses) (Student Handbook p.64-65) "Notification of the Research Title" "Outline of Research Plan" (Student Handbook P71-72) The schedule and various forms for graduation are posted on the Graduate School's website. (https://www.hiroshima-u.ac.jp/en/adse/student/form)
[Remarks] q Grounds and reasons for	q Each laboratory has established a communication system between the

<p>evaluation r Supplementary explanation of evidence s Distinctive activities and efforts</p>	<p>faculty and the students. Interviews are held as necessary to share issues related to educational and research activities and student life. In addition, faculty members in charge of class subjects reflect on the results of the class improvement questionnaire by MOMIJI and prepare improvement plans. The program has not yet graduated any graduates; a completion questionnaire at the time of graduation will be carried out from the end of FY2023 onward. s Based on the “Completion Schedule (Master’s Courses),” there is a functioning system to share and inspect issues and progress in educational and research activities through interviews between the students and supervisors each time the students submit the “Notification of the Research Title” and the “Outline of Research Plan” and conduct interim presentations</p>
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Criterion 2-2: The quality of the faculty and those who support or assist educational and research activities is ensured through an organization-wide initiative, and efforts are made to maintain and improve it.

Analysis item 2-2-1	Information on grading and student guidance is shared at the program committee, etc. for improvement.
Self-inspection/evaluation unit	Joint International Master’s Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Number of mutual class observations by the faculty: 4
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	Mutual class observation by the faculty has been planned and implemented. There is a functioning system for improvement, whereby the faculty members involved in the program can share the observers’ comments as well as improvement plans made in response by the faculty members who conducted the class. In addition, in order to grasp the status of the educational and research activities of the faculty, data is progressively collected and examined for future analysis.

Analysis item 2-2-2	Related personnel participate in faculty development (FD) workshops held by the university, schools, programs, etc., and the content is shared at the program committee, etc. for the improvement of education and research.
Self-inspection/evaluation unit	Joint International Master’s Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced

	Science and Engineering
Self-evaluation	„ u)X O O \ D S S O L F A D I C A B L E L L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Number of FD workshops held and participants: 2, total 61 persons
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q An FD workshop on the University's information dissemination and press releases and an FD on the current status and results of student exchange, and also future issues were held. The content was shared among the faculty members to help them improve their teaching methods.

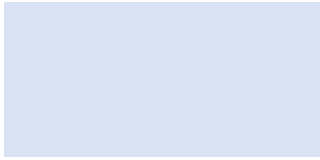
Area 3: Criteria for information disclosure

Criterion 3-1: Information on educational and research activities is properly disclosed and thus accountability is fulfilled.

Analysis item 3-1-1	The objectives of the schools, departments, programs, etc., the admission policy, the curriculum policy, and the diploma policy are properly publicized and made known to people, including faculty members and students.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u)X O O \ D S S O L F A D I C A B L E L L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Admission Policy, Curriculum Policy and Diploma Policy (The Graduate School's website; https://www.hiroshima-u.ac.jp/en/adse/about/div_int) Curriculum Policy and Diploma Policy (Student Handbook p3-4)
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q The Admission Policy, Curriculum Policy and Diploma Policy are all published on the website. Also, the Curriculum Policy and Diploma Policy are also published in the Student Handbook. As to the Admission Policy, a review of some of the wording was considered and the proposal was approved in the Board of Representatives in October, 2022. The Graduate School website and student application guidelines were updated accordingly.

Area 4: Criteria for facilities/equipment and student support

Criterion 4-1: Facilities and equipment suitable for the educational research organization and curriculum have been established and effectively used.



	and research activities through interviews between students and supervisors each time the students submit the “Notification of the Research Title” and the “Outline of Research Plan,” and conduct interim presentations. In addition, a scholarship system unique to the program has been established to provide financial support to students whose entrance university is Hiroshima University.
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Analysis item 4-2-2	A system has been established and implemented to provide daily life support, etc. to students with disabilities, international students, and other students who require special support.
Self-inspection/evaluation unit	Joint International Master’s Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Application guidelines for the Joint International Master’s Programme in Sustainable Development https://www.hiroshima-u.ac.jp/en/adse/news/62635 Website of Hiroshima University Accessibility Center https://www.achu.hiroshima-u.ac.jp/ Orientation for new students at the Graduate School of Advanced Science and Engineering https://www.hiroshima-u.ac.jp/en/adse/student/ssorientation Supporter briefing documents 1-5
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q Special consideration is given to students with disabilities, etc. in taking exams and studying in cooperation with their supervisors and the University’s Accessibility Center. For international students, all parts of the Student Handbook are prepared in English, and the Supporters, supervisors and the Management Support Office work together to provide necessary support for their daily life and study. s Instead of an orientation for new students by the entire Graduate School, a dedicated page consolidating necessary information has been set up on the website to ensure that the information is provided to all students. English materials, such as guidance on health and safety and guidance on harassment, are available on the online learning support system called Bb9, so that students can learn them at any time. In addition, in order that international

	students who have difficulty in travelling to Japan can smoothly take classes online, we held an explanatory meeting for Supporters and asked the professors in charge of classes to respond to international students taking classes online.
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Area 5: Criteria for admission of students

Criterion 5-1: Students are properly admitted.

Analysis item 5-1-1	The admission process is carried out with an appropriate system in line with the admission policy.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering

Self-evaluation

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Analysis item 5-1-2	Efforts are made to verify whether students are actually admitted in accordance with the admission policy, and the results are used to improve the admission process.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Application information for the Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University) Information on student recruitment for the program https://www.hiroshima-u.ac.jp/en/adse/news/62635
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q The admission policy is clearly stated in the application guidelines. A draft of the admission criteria is prepared jointly with Leipzig University in accordance with the admission policy, and appropriate decisions are made at the admission decision meeting (Board of Representatives). A system has been established to share information with Leipzig University and make improvements in case problems should arise in the admission process.

Criterion 5-2: The number of students enrolled is adequate for the admission quota.

Analysis item 5-2-1	The number of students enrolled does not significantly exceed or fall below the admission quota.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Number of students enrolled: 2; percentage of admission quota: 100%
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q A system to manage the admission quota of the entire Graduate School has been established in close cooperation with Leipzig University. Thus, in AY2022, two students (one student whose entrance university is Hiroshima University and one student whose entrance university is Leipzig University) were enrolled to fill the admission quota of two.

Area 6: Criteria for curriculum and learning outcomes

Criterion 6-1: The organization of the curriculum and the content of the class subjects are systematic and of an appropriate level in accordance with the diploma policy and the curriculum policy.

Analysis item 6-1-1	The organization of the curriculum and the content of the class subjects are systematic and of a level appropriate for the degree to be awarded.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Curriculum Policy and Diploma Policy of the Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University) https://www.hiroshima-u.ac.jp/en/adse/about/div_int Student Handbook p49-50, p51, p71-77: "Class Subjects and Registration (Joint International Master's Programme in Sustainable Development (Hiroshima University and Leipzig University))," "Common Graduate Subjects," and other specified forms
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q In cooperation with the Joint International Master's Programme in Sustainable Development (Hiroshima University - University of Graz) at the Graduate School of Humanities and Social Sciences, Basic Subjects are offered, allowing students majoring in science and engineering and those majoring in social sciences to study in the same classroom and come into contact with different perspectives and ways of thinking, thereby promoting their understanding of multiple fields beyond their conventional framework of expertise. In addition to this, in cooperation with Leipzig University, the program offers Specialization Subjects, Integration Subjects and Master Thesis Classes in order to acquire the technologies necessary to realize environmentally sustainable development. The curriculum is systematically organized to foster students with an ability to conduct research and practical work based on the sustainable development principles in environmental studies and using scientific and engineering approaches in order to resolve pressing regional and global issues related to the SDGs, and also to foster those with excellent collaboration and communication skills to be exerted at universities, research institutions, governments, international organizations, private businesses, NGOs, etc., as well as competitive capability to secure

	<p>employment (employability) in the international labor market. Furthermore, these class subjects are taught by faculty members with high expertise who have been screened for educational qualifications at the Graduate School, and thus educational content of a level appropriate for the degree to be awarded has been ensured.</p> <p>s A systematic curriculum model based on the type of degree, the personnel to be trained and the research theme is published on the website as a reference for students during their studies.</p>
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Analysis item 6-1-2	A research guidance system, such as clearly defining the supervisor with regard to guidance for the preparation of the thesis (including the results of research on a specific subject), etc., are organized and students receive research supervision based on formulated plans.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Student Handbook p32: Article 7 of the bylaws of the Graduate School. Orientation of the Graduate School https://www.hiroshima-u.ac.jp/en/adse/student/ssorientation Student Handbook p64~65: Schedule for completion of the program Confirmation by the 'Research Title Notification' and introduction of the 'Research Guidance Status Report'

[Remarks]

q Grounds and reasons for evaluation-

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	<p>writing plan at the beginning of their second year of study, and to submit a 'master's thesis outline' at the beginning of their final semester. In addition to these submissions, a system where supervisors can confirm their students' research contents was established</p> <p>s In order for students to acquire the ability to see things from multiple perspectives, at least one of the secondary supervisors is a teacher in a different field of specialisation from the main supervisor, and it is possible for teachers from other graduate schools or universities to supervise students. With regard to students' Research Guidance Status Report, supervisors prepares a 'Research Guidance Status Report' on the research guidance plan, research guidance report (including guidance methods), the implementation status of course guidance, the implementation status of study consultation (advice), etc, and this is reported at the program faculty meeting and also confirmed by the Board of Representatives.</p>
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Criterion 6-2: Appropriate forms of classes and teaching methods are adopted in accordance with the diploma policy and the curriculum policy.

Analysis item 6-2-1	The curriculum is systematically organized based on the curriculum policy; forms of classes and teaching methods (guidance for research, thesis, etc.) appropriate for the education of the field are prepared; and the methods and content of the classes are clearly shown to the students.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r 1 R W Y H U \ D S S Q N F D F O d b l e
Evidence	Curriculum Policy https://www.hiroshima-u.ac.jp/en/adse/about/div_int Student Handbook p49-50: "Class Subjects and Registration (Joint International Master's Programme in Sustainable Development (Hiroshima University and Leipzig University))" Curriculum Model https://www.hiroshima-u.ac.jp/system/files/206471/%E5%B1%A5%E4%BF%AE%E3%83%A2%E3%83%87%E3%83%AB_202304%E4%BF%AE%E6%AD%A3.pdf
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation	q The curriculum for the program is organized and implemented based on the following policy so that students are able to achieve the objectives stated in the Diploma Policy.

<p>of evidence</p> <p>s Distinctive activities and efforts</p>	<p>í Basic Subjects (48 credits) are offered to allow students to develop the capabilities required for studies regarding sustainable development, such as the interdisciplinary thinking and the fundamental ability for exploring sustainable development from various perspectives.</p> <p>í Specialization Subjects (65 credits) are offered to deepen students' understanding of basic theories, techniques and application cases/methods regarding the technologies necessary for achieving environmentally sustainable development.</p> <p>í Integration Subjects (46 credits) are offered to deepen students' understanding of sustainable development and enhance their practical skills by bringing together the various scientific approaches they have studied, and to encourage them to explore their research fields more deeply, develop their career after completion, and enhance their intellectual curiosity, etc.</p> <p>í Master Thesis Classes (30 credits) are offered to promote students' independent research and help them acquire research capabilities and practical skills to achieve the SDGs based on energy engineering, resource management engineering, environmental studies, and urban engineering.</p> <p>s A systematic curriculum model based on the type of degree, the personnel to be trained and the research theme is published on the website as a reference for students during their studies.</p>
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Criterion 6-3: Appropriate course guidance and support are provided in accordance with the diploma policy.

<p>Analysis item 6-3-1</p>	<p>A system for course guidance and study counseling that can meet the needs of students is in place, and advice and support are provided.</p>
<p>Self-inspection/evaluation unit</p>	<p>Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering</p>
<p>Self-evaluation</p>	<p>„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable</p>
<p>Evidence</p>	<p>Student Handbook p.64-65: "Completion Schedule (Master's Courses)" Orientation for new students https://www.hiroshima-u.ac.jp/en/adse/student/ssorientation Confirmation by 'Research Guidance Status Report'</p>
<p>[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of</p>	<p>q The academic committee members provide students with appropriate guidance on registration and other methods, courses and student life, using materials prepared by the Graduate School. The timing for students to</p>

evidence s Distinctive activities and efforts	<p>establish class registration plans and research plans is incorporated in the Completion Schedule, and is shared by the students and the faculty. The faculty members provide appropriate support for course guidance and study consultation.</p> <p>s As a record of the implementation of course guidance and study counselling for students, a 'Research Guidance Status Report' is prepared every semester from FY2022. By accumulating information like a portfolio, it is expected that continuous course guidance and study consultation will be provided based on the content of past consultation.</p>
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Analysis item 6-3-2	Efforts are made to cultivate students' skills necessary for social and professional independence.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u)XOO\ DSSO LFA DificileLL s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Student Handbook p49-50: "Class Subjects and Registration (Joint International Master's Programme in Sustainable Development (Hiroshima University and Leipzig University))"
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	<p>q As Common Graduate Subjects, Sustainable Development Subjects (four subjects including "World Peace and Hiroshima") and Career Development and Data Literacy Subjects (seven subjects including "Career Management for Engineers" and "Introduction to MOT") are offered to foster students with an understanding of the SDGs, the ability to create science that leads to sustainable development, and the knowledge and skills to solve various problems in contemporary society. In addition, as Common Subjects for the Graduate School, subjects on sociality (seven subjects including "MOT and Venture Business") are offered to increase students' motivation for social contribution and develop their communication skills necessary for interdisciplinary and collaborative work and the ability to apply these skills to the real world.</p> <p>s Credits of Integration Subjects are approved as necessary credits in order to deepen students' understanding of sustainable development and enhance their practical skills by bringing together the various scientific approaches they have studied, and to encourage them to explore their research fields more</p>

	deeply, develop their career after completion, and enhance their intellectual curiosity, etc.
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Analysis item 6-3-3	A system has been established and implemented to provide learning support to students with disabilities, international students, and other students who require special support in studying.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u)X O O \ D S S O L F A D I C A L L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Application information for the Joint International Master's Programme in Sustainable Development https://www.hiroshima-u.ac.jp/en/adse/news/62635 Website of Hiroshima University Accessibility Center https://www.achu.hiroshima-u.ac.jp/ Orientation for new students by Graduate School of Advanced Science and Engineering https://www.hiroshima-u.ac.jp/en/adse/student/ssorientation Supporter briefing documents 1-5
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q Special consideration for taking exams and studying is given to students with disabilities, etc. in cooperation with their supervisors and the University's Accessibility Center. For international students, the Supporters, supervisors and the Management Support Office work together to provide necessary support for their daily life and study. s Instead of an orientation for new students by the entire Graduate School, a dedicated page consolidating necessary information has been set up on the website to ensure that the information is provided to all students. In addition, in order that international students who have difficulty in travelling to Japan can smoothly take classes online, we asked the program faculties to respond to international students taking classes online.

Criterion 6-4: Fair grading is carried out rigorously and objectively in accordance with the curriculum policy.

Analysis item 6-4-1	Grading and credit recognition are carried out in light of the educational policy
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	of the field, and are effective in the educational field.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Curriculum Policy: https://www.hiroshima-u.ac.jp/en/adse/about/div_int Results of deliberations on grading, credit approval, student guidance and research ethics education in the previous semester (Document of Board of Representatives held in November 2022)
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q Courses are arranged in accordance with the Program's curriculum policy. In addition, syllabuses clearly stating the grading methods, etc. are prepared for all class subjects and are available to students. s In order to systematically establish a self-inspection and evaluation system for the Graduate School, the essential deliberation items of the Program Faculty Meeting have been defined, and the minutes of the deliberations results of these deliberation items are submitted to the Board of Representatives (Self-inspection and Evaluation Committee) for further inspection and evaluation from the perspective of the entire Graduate School. The deliberation items included the implementation status of grading, credit approval, student guidance and research ethics education, and it was decided to take the following actions. 1) Confirm that grading and credit approval are carried out in light of the program's curriculum policy and that the educational content is effective. If there are any problems, their solutions and improvements are discussed on a case-by-case basis. 2) Confirm that grading and recognizing credits are carried out rigorously and objectively in accordance with the grading criteria stated in the syllabus, and that there is no significant bias in the distribution of grades. If there are any problems, their resolution and improvement are discussed on a case-by-case basis. 3) The results of the Research Guidance Status Report are checked and analysed using a tally table for each check item. The rate of participation in research ethics education is also analysed. If there are any problems in the formulation of research guidance plans, research guidance, course guidance, research progress, credit acquisition status, and the status of participation in research

	<p>ethics education, the solutions and improvements will be discussed on a case-by-case basis.</p> <p>The results of the first semester of 2022 were discussed at the Board of Representatives held in November 2022 based on the deliberation results of each program and department, and the results were found to have been implemented appropriately. In addition, the distribution of grades for the common courses of the Graduate School, which was not subject to deliberation by the program faculty meetings, was also confirmed by the Board of Representatives and was found to have been implemented appropriately.</p>
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Analysis item 6-4-2	Grading criteria are made known to students.
	Whether the grading criteria are announced to students
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable

Evidence

Grade objection filing system

[https://momiji.hiroshima-u.ac.jp/momiji- 5](https://momiji.hiroshima-u.ac.jp/momiji-5)

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	<p>Grade objection filing system: https://momiji.hiroshima-u.ac.jp/momiji-top/en/learning/filing.html</p> <p>Results of deliberations on grading, credit approval, student guidance and research ethics education in the previous semester (Document of Board of Representatives held in November 2022)</p>
<p>[Remarks]</p> <p>q Grounds and reasons for evaluation</p> <p>r Supplementary explanation of evidence</p> <p>s Distinctive activities and efforts</p>	<p>q Courses are arranged in accordance with the Program's curriculum policy. Also, syllabuses clearly stating the grading methods, etc. are prepared for all class subjects and are available to students. In addition, the system has been established to deal with appeals from students regarding their grades through the 'Grade Evaluation Appeal System'.</p> <p>The Support Office in charge of students' performance evaluation and credit fulfilment receives consultations from students and faculties, checks the status of credits required for completion and responds to them as appropriate. Finally, the number of credits acquired by students who are expected to complete the program is made up and systematically confirmed at the Board of Representatives' to determine the completion of the program.</p> <p>s In order to systematically establish a self-inspection and evaluation system for the Graduate School, the essential deliberation items of the Program Faculty Meeting have been defined, and the minutes of the deliberation results of these deliberation items are submitted to the Board of Representatives (Self-inspection and Evaluation Committee) for further inspection and evaluation from the perspective of the entire Graduate School. The deliberation items included the implementation status of grading, credit approval, student guidance and research ethics education, and it was decided to take the following actions.</p> <p>1) Confirm that grading and credit approval are carried out in light of the program's curriculum policy and that the educational content is effective. If there are any problems, their solutions and improvements are discussed on a case-by-case basis.</p> <p>2) Confirm that grading and recognizing credits are carried out rigorously and objectively in accordance with the grading criteria stated in the syllabus, and that there is no significant bias in the distribution of grades. If there are any problems, their resolution and improvement are discussed on a case-by-case basis.</p> <p>3) The results of the Research Guidance Status Report are checked and analysed using a tally table for each check item. The rate of participation in research</p>

ethics education is also analysed. If there are any problems in the formulation of research guidance plans, research guidance, course guidance, research progress, credit acquisition status, and the status of participation in research

	<p>Screening Committee consists of a chief referee and two or more sub-referees and they are approved by the Faculty Meeting, that at least one of the sub-referees shall be selected from among the faculty members of other programs or other graduate schools, and that sub-referees can be selected from among researchers of other universities, research institutes, companies, etc. Ultimately, it is finalised by the Board of Representatives. Thus, a system to recognize the completion of courses with more fairness and objectivity under an appropriate screening system is in place.</p>
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Criterion 6-6: Appropriate learning outcomes are obtained in accordance with the objectives of the university, etc. and the diploma policy.

Analysis item 6-6-1	Learning outcomes are recognized based on the status of students' career paths, such as going on to higher education and finding employment.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	L g) X O O \ D S S O L \$ S S O H F I D E S O H t l y a p p l i c a b l e L d 1 R W Y H U \ D S S O N F a p p l i c a b l e
Evidence	
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	This item is not subject to evaluation because there are no graduates.

Analysis item 6-6-2	Learning outcomes are recognized based on the degree of skill growth required in the field of education and the status of course completion and acquisition of qualifications.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	L g) X O O \ D S S O L F D E O H L

evidence s Distinctive activities and efforts	the class improvement questionnaires which were conducted without identifying individuals. According to interviews with several students, their study situations are good and they are highly satisfied with their classes.
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Analysis item 6-6-3	Results of interviews with students in terms of the levels of learning achievement and satisfaction indicate that learning outcomes have been achieved.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	L g) X O O \ D S S O L A p p l i c a b l e S l i g h t l y a p p l i c a b l e L d 1 R W Y H U \ D S S O L N o n a p p l i c a b l e
Evidence	The Class Improvement Questionnaire
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	c There are no graduates yet. d Since there are only four students to be assessed, it is not possible to analyze the class improvement questionnaires which were conducted without identifying individuals. According to interviews with several students, their study situations are good and they are highly satisfied with their classes.

Analysis item 6-6-4	Results of interviews with alumni and individuals involved in their careers indicate that the learning outcomes have been achieved.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	L g) X O O \ D S S O L S l i g h t l y a p p l i c a b l e L d Not very ap S O L F D E N o t a p p l i c a b l e
Evidence	
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	This item is not subject to evaluation because there are no graduates.

Analysis item 6-6-5	There are systems and evaluation criteria to promote students' growth in research efforts and presentation of research results, and their growth in effectiveness (logical thinking, international perspectives, presentation skills,
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	etc.) is recognized.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Student Handbook p64-65: "Completion Schedule (Master's Courses)" Student Handbook p72-75: "Outline of Research Plan," "Outline of the Master's Thesis," "Summary of the Master's Thesis"
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q The flow of the schedule until completion is shown as follows: submission of the "Outline of Research Plan," interim presentation, resubmission of the "Outline of Research Plan" (when the research theme is revised), taking "Research Ethics Education (Graduate School Students - Advanced)," submission of the "Outline of the Master's Thesis," submission of the master's thesis, submission of the "Summary of the Master's Thesis," oral presentation for the master's thesis, and final examination. There is a functioning system whereby students can check the progress of their research efforts and results through interviews with their supervisors in each phase.

Area 7: Criteria for the internationality of education

Criterion 7-1: Initiatives to internationalize the campus and develop global human resources are systematically implemented.

Analysis item 7-1-1	International students are admitted under an appropriate system at schools, departments, programs, etc.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Number of international students: 4 out of 4 (100%) Number of courses that can be completed in English: 1 Orientation for new students (English version) https://www.hiroshima-u.ac.jp/en/adse/student/ssorientation Student Handbook (English version)
[Remarks] q Grounds and reasons for evaluation	q Two international students were accepted as the third cohort in October

r Supplementary explanation of evidence s Distinctive activities and efforts	2022. (Two students left the university because they were unable to travel to Japan due to the new Coronavirus, so the total number of students as of 1 May 2023 was four.) There is a curriculum that can be completed in English. The Supporters provide assistance even before international students' enrollment by supporting their course registration and preparing the Student Handbook, orientation handouts, and various submission forms in English, so that international students who cannot come to Japan can take classes online and in English. Assistance after enrollment includes improving the submission forms and materials on the bulletin board and providing support for daily life.
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Analysis item 7-1-2	Students are properly informed about study abroad programs, and receive appropriate support such as course guidance.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Student Handbook p49-50: "Class Subjects and Registration (Joint International Master's Programme in Sustainable Development (Hiroshima University and Leipzig University))"
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q A joint curriculum with Leipzig University is provided for the program, and students spend their second and third semesters after enrollment at the partner university (Leipzig University or Hiroshima University). Students are guided through an orientation for new students and course counseling by supervisors so that they can proceed with their course plans until completion without problems.

Area 8: Criteria for the promotion of recurrent education

Criterion 8-1: Initiatives to promote recurrent education, programs for working adults, cooperation with primary and secondary education, and lifelong learning are systematically implemented.

Analysis item 8-1-1	Programs that contribute to the promotion of recurrent education (short-term programs, certificate programs, etc.) are open to the public.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering

Self-evaluation	„ u Fully applicable L t Applicable L s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Admission information for the Joint Degree Programme Hiroshima - Leipzig https://www.jointdegree.eu/de/sustainable-development-jd/application-selection/required-documents/
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q The program places importance on practical work experience as a working adult, which is confirmed at the stage of student selection. Upon completion, students are awarded a degree in international cooperation.

Analysis item 8-1-2	Programs are developed based on the needs of society and an appropriate guidance system is established.
Self-inspection/evaluation unit	Joint International Master's Programme in Sustainable Development (Hiroshima University - Leipzig University), Graduate School of Advanced Science and Engineering
Self-evaluation	„ u)XOO\ DSSO L FAFICALL s Slightly applicable L r Not very applicable L q Not applicable
Evidence	Student Handbook p49-50: "Class Subjects and Registration (Joint International Master's Programme in Sustainable Development (Hiroshima University and Leipzig University))"
[Remarks] q Grounds and reasons for evaluation r Supplementary explanation of evidence s Distinctive activities and efforts	q As Common Graduate Subjects, Sustainable Development Subjects (four subjects including "World Peace and Hiroshima") and Career Development