

Notes on Course Registration (Master's Program)

(1) Science Seminar (A)

The Science Seminar is a compulsory course in the Graduate School of Biosphere Science. Master's students must register for Science Seminar (A).

The Science Seminar has two categories: Graduate School Science Seminar designed solely for the students of the Graduate School of Biosphere Science, and Interdisciplinary Science Seminar offered to five graduate schools: Graduate School of Integrated Arts and Science, Graduate School of Science, Graduate School of Advanced Sciences of Matter, Graduate School of Engineering and Graduate School of Biosphere Science. In the latter seminar course, seminars and scientific lectures are delivered by a variety of instructors on specific themes in the field of specialty pursued in the graduate school or department in charge.

For detailed information on the Science Seminar course, see the "Graduate School of Biosphere Science Guidelines for Taking Science Seminar" below. For other matters concerning attendance at Science Seminars, follow the instructions of your academic supervisor or the guidance provided by the seminar organizer.

Graduate School of Biosphere Science Guidelines for Taking Science Seminar

- 1) A Science Seminar shall be planned and implemented by a department of the Graduate School. Students may attend both Graduate School Science Seminar and Interdisciplinary Science Seminar organized by any department.
- 2) Schedule and other information on Science Seminars shall be announced on bulletin boards, the Graduate School website, etc.
- 3) After attending a Science Seminar, students shall submit to their academic supervisors a Science Seminar Report within one month of the seminar by inputting the report on the content of Science Seminar created on the electronic educational record system.
- 4) To be eligible to receive credit for the course (two credits), students must attend 15 or more seminars.
- 5) The Science Seminar course shall be graded by the academic supervisor.
- 6) As an alternative to a Science Seminar, students may report on a lecture delivered at an academic conference (and also a lecture or seminar held in a company in the case of students to whom the special provision on teaching method prescribed in Article 9 of the Regulations of the Graduate School of Biosphere Science, Hiroshima University applies).

In such cases, their academic supervisors shall decide the number of regular Science Seminars equivalent to a lecture delivered at an academic conference (or in a company). Students are required to submit a designated number of reports on the lecture.

(2) Practice in Experimental Techniques (A)

Description: Students may apply to earn credit for practical training if the training was completed in accordance with the procedures stipulated below.

Evaluation: To be graded by the academic supervisor

Required Documents: Application for Recognition of Credits (Attached Form 2, Student Handbook, p.41), Practical Training Record Sheet (Attached Form 3, Student Handbook, p.42), and other relevant material

(Number of training hours)

- 1) 45 hours or more of training is required.

(Training content)

- 2) The content of training shall be in accordance with the student's research theme.

(Selection of training site)

- 3) An organization where a student receives training shall be decided by consultation between the student and his/her academic supervisor, and approval must be obtained from the organization.
- 4) Such organization shall be a laboratory other than the one that the student belongs to, and the laboratory may be affiliated with a university, national or public research institution, private company, or any other form of establishment.
- 5) Students may work as a trainee at two or more laboratories. However, the number of training hours at each laboratory shall be 15 hours or more.

(Recording of training)

- 6) At the end of each training day, a student must write a summary of the day's work in the "Daily Journal" section of Practical Training Record Sheet, and have his/her on-site supervisor review the content and affix a signature or seal in the "Confirmation" field on the sheet.
- 7) Students who receive practical training at two or more laboratories must create a Practical Training Record Sheet for each laboratory.

(Preparation of Practical Training Completion Report)

- 8) Upon completion of practical training, students shall describe laboratory techniques they have mastered during the training period in the "Practical Training Completion Report" section on a training record sheet and submit the sheet to his/her academic supervisor.

(Prohibition of reporting as internship results)

- 9) Students shall not enter the technical experience and results gained through the practical training course in an internship report, in addition to a practical training completion report.

(3) Student-Organized Seminar (A)

Description: Students who played major roles in planning and implementing an Interdisciplinary Science Seminar may apply to earn credit. However, eligibility for application is limited to up to three students per seminar who took charge of planning, organization, etc. of the seminar.

Evaluation: To be graded by the academic supervisor

Required Documents: Application for Recognition of Credits (Attached Form 2, Student Handbook, p.41), an implementation plan, a report and other relevant material

(4) Presentation (A)

Description: To be eligible to apply for credit recognition, students must have given one or more oral or poster presentations at academic meetings (including various symposia, seminars and other meetings).

Evaluation: To be graded by the academic supervisor based on the results of comprehensive evaluation with focus on the following items: 1) independence, 2) presentation skills, and 3) the scale of the international academic meeting, etc.

Required Documents: Application for Recognition of Credits (Attached Form 2, Student Handbook, p.41), a copy of the program, a summary of the presentation, and other relevant material

(5) Technical Writing (A)

Description: Students may apply to earn credit for their first-author paper published in a refereed journal, in principle. However, eligible papers shall also include work that a student was asked to write (such as a review paper). Students may submit an application upon receiving a letter of acceptance of the submitted paper.

Evaluation: To be graded by the academic supervisor based on the results of comprehensive evaluation with focus on the following items: 1) independence, 2) writing skills, and 3) the type of the journal, etc.

Required Documents: Application for Recognition of Credits (Attached Form 2, Student Handbook, p.41), a letter of acceptance of submitted paper, and other relevant material

(6) Internship (A) (International/Domestic)

Description: Students may apply to earn credit for an internship, if the internship satisfies the objectives below.

(Objectives)

By participating in an internship program offered by a government office, research or educational institution, company, etc. related to the student's special field of study, the student shall acquire a broad range of practical knowledge and skills, aiming to leverage that internship experience for further development of the field of specialization.

Evaluation: To be graded by the academic supervisor

Required Documents: Application for Recognition of Credits (Attached Form 2, Student Handbook, p.41), Internship Report, on-site supervisor's evaluation sheet and other relevant material

Internship Procedures

- 1) In consultation with your academic supervisor, select your internship site from organizations that offer internship programs. It is necessary to fully understand the terms and conditions of your internship with the organization.
- 2) An internship shall be scheduled so as not to affect your regular coursework in the Graduate School. The standard duration of an internship shall be in principle one week to 10 days.
- 3) Receive an evaluation sheet from the host organization. Submit the goals, schedule, and upon completion of the internship, a completed evaluation sheet with a report describing the degree of attainment of the goals, results achieved and issues to be addressed in the future.