北陸先端科学技術大学院大学研究室教育指針
Laboratory Education Guideline

研究室教育指針は、学則第３０条の３に基づき、研究指導の方法及び内容並びに修了までの研究指導の計画をあらかじめ明示するものです。
Based on the Article 30-3 of the general academic rules, the Laboratory Education Guideline is intended to clearly outline the methods and content of research guidance, as well as the plan for research guidance until completion.

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1. 研究テーマ / Research Theme
The establishment of a theoretical foundation for disaster management
2. 修得が期待される能力 / Competencies expected to be acquired 研究室教育は必修 A 科目（先端）又は研究支援科目（融合）の一部として単位化されており、この欄はそれら科目のシラバス上の達成目標の一部となります。 Laboratory Education is accredited as a part of the Required courses A (Division of Advanced Science and Technology) or Research Support Courses (Division of Transdisciplinary Sciences), and this section constitutes a part of the course goals stated in the syllabus for such subjects.
This laboratory focuses primarily on scientific and technological research related to natural disasters. Through research activities, students are expected to acquire the following competencies: ・The ability to identify social issues and analyze their underlying causes. ・The ability to formulate hypotheses aimed at solving social problems and to set appropriate research objectives. ・The ability to design and implement research methodologies suitable for the selected research topics. ・The ability to evaluate research outcomes and to verify and assess the validity of proposed hypotheses. ・The ability to present one's ideas logically and clearly to others. ・The ability to summarize the outcomes of scientific and technological research in the form of academic papers.
3. 研究指導方針 / Research Guiding Principle
・The laboratory aims to cultivate individuals who can identify the essential nature of problems, develop effective solutions, and proactively address challenges in collaboration with others. ・Through research activities, the laboratory aims to advance fundamental theories in disaster prevention science and technology, while contributing to the enhancement of disaster resilience both domestically and internationally.
4. 研究室活動の内容及び方法 / Content and Methods of Laboratory Activities
□ Daily Activities： ・Short meeting (Lunch break, 15-20 minutes) □ Weekly Activities： ・Laboratory seminar (Ishikawa, conducted in English; once per week) ・Laboratory seminar (Ishikawa, conducted in Japanese; once per week) ・Laboratory cleaning duties □ Monthly Activities： ・Laboratory seminar (Shinagawa, conducted in Japanese; twice per month) □ Occasional Activities： ・Attendance at research ethics training sessions ・Individual meetings (held as needed at the request of students) ・Joint seminars with other universities (once or twice per year) ・In-laboratory study sessions (Ishikawa; topics include programming and image processing technologies; three to four times per year) ・Conference presentations

・Submission of academic papers
・Field surveys in disaster-affected areas
・Volunteer activities in disaster-affected areas
・Training camps (including educational and social activities)
・Welcome and farewell gatherings for laboratory members
・On-campus cleaning activities

5. 年間スケジュール / Annual Schedule

本学の全学共通の年間スケジュールは「履修案内」の「学位取得に至るスケジュール」を参照してください。(本学HP 参照：ホーム＞教育＞履修関係＞履修案内)

Please refer to the "Degree conferment schedule for the master's program/doctoral program" in the "Degree Completion Guide" for university-wide common schedule (JAIST website: Home >Education>Taking Courses>Degree Completion Guide)

The following is an example of a two-year schedule for master's students enrolling in April. Students who intend to proceed to a doctoral program are strongly encouraged to submit a peer-reviewed domestic journal paper during their master's studies.

【Example Two-Year Schedule (Master's Student Enrolling in April at Ishikawa Campus)】

Year 1

July (Year 1)
・Assignment to a research laboratory
・Laboratory training camp

August–December (Year 1)
・Review of previous and related studies
・Formulation of research topics and preparation of a preliminary research proposal
・Acquisition of analytical methods

January–March (Year 1)
・Collection of research data
・Submission and review of research ethics applications
・Revision and refinement of the research proposal

Late March (Year 1)
・Submission of the research proposal

Year 2

April (Year 2)
・Preparation of application documents for the Japan Society for the Promotion of Science (JSPS) Research Fellowship for Young Scientists (DC1)

April–August (Year 2)
・Data analysis
・Writing of a peer-reviewed domestic journal paper (for interested students or those planning to enter a doctoral program)

September (Year 2)
・Midterm presentation and revision of the research plan based on feedback

October–November (Year 2)
・Organization and interpretation of analytical results
・Presentation at a peer-reviewed domestic academic conference (eligible students only)

December (Year 2)
・Writing of the master's thesis
・Submission of the first draft of the master's thesis to the academic supervisor

January (Year 2)
・Revision of the master's thesis based on the supervisor's review and submission of the final version

February (Year 2)
・Master's thesis presentation and defense