

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
Voice Privacy, Spoken Language Processing, Acoustic Phonetics, Machine Learning, Voice conversion, Speaker anonymization, Cognitive hearing, Hearing Aid Technology, Low-resource language processing, Human-computer interaction
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. Through activities in this laboratory, students will acquire two core competencies: advanced data-scientific thinking and human-centered application skills. Specifically, students will acquire practical AI development skills, designing and implementing voice and acoustic signal processing technologies. In addition, through research on voice privacy, students will develop knowledge of data security measures necessary for protecting personal information and the ability to assess technical risks.
3. 研究指導方針 / Research Guiding Principle
Our laboratory places emphasis on individualized instruction to help students grow as independent researchers. We actively support students in identifying problems and exploring solutions independently while digging deep into three specialized fields: Speech Science, Cognitive Science, and Human-Computer Interaction. Through research activities, we aim to cultivate not only specialized knowledge and skills, but also logical thinking, problem-solving abilities, and practical application skills that will enable students to contribute to society in the future.
4. 研究室活動の内容及び方法 / Content and Methods of Laboratory Activities
☐ 日次活動 / Daily Activities : - ☐ 週次活動 / Weekly Activities : - Individual meeting with student (30 minutes to 1 hour per week): Weekly individual meetings allow faculty and students to share research progress one-on-one and engage in in-depth discussions to solve problems. - Group seminar (around 2 hours per week): Group seminars allow students to share interdisciplinary knowledge and receive feedback from diverse perspectives through presentations on their individual themes. ☐ 月次活動 / Monthly Activities : - ☐ 不定期活動 / Occasional Activities : - Welcome parties for new students and seasonal social gatherings, fostering friendships among lab members and fostering a warm environment where they can advance their research while working together. - Participation in academic conferences (domestic or international)

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)

For Master Program Students:

- First Six Months: Students identify a research project for the Master's Thesis and participate in a Study Group for training in reading academic research papers/books.
- Within One Year of Entrance: The formal Research Proposal must be prepared and submitted.
- 3–6 Months Post-Proposal: A mandatory Mid-Term Presentation is required to assess research progress.
- Final Semester: Students focus on completing the Master's Thesis and preparing for the final defense.
- Research Dissemination (Recommended): Students with strong research outcomes are highly encouraged to submit to international conferences (e.g., Interspeech, ICASSP) or domestic venues (e.g., ASJ meeting).