

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
Research on theory of computation and automated deduction, such as term rewriting, automata theory, automated theorem proving, and termination and complexity analysis.
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.
Precise understanding of mathematical notions, abilities for program reasoning, and explanatory skills for them.
3. 研究指導方針 / Research Guiding Principle
As background knowledge is not much required, this field would be suited for those who start new research in a graduate course. Although we need no broad knowledge of mathematics and computer science, concise understanding of mathematical notions is important. Participating in weekly seminars and reading groups, you will eventually acquire necessary knowledge and formalization skills. As a further note, there are several international competitions for automated deduction tools. Our group is encouraging our students to participate in such an event with their own tools.
4. 研究室活動の内容及び方法 / Content and Methods of Laboratory Activities
<input type="checkbox"/> 日次活動 / Daily Activities : None. <input type="checkbox"/> 週次活動 / Weekly Activities : Individual meeting (once per week) and group seminar (once per week). <input type="checkbox"/> 月次活動 / Monthly Activities : None. <input type="checkbox"/> 不定期活動 / Occasional Activities : Participating in academic events.
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 case that one begins from April first year 7月 developing a Sudoku solver

8月 easy programming task

9月 reading groups on computation and deduction

10月 deciding a research theme

3月 domestic research meeting

second year

7月 international conferences/workshops/competitions

9月 domestic meeting

11月 end of reading groups

12月 writing a thesis/paper