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
Formal methods, software engineering, and computer science. Especially, temporal logics, automata, model checking and their quantitative extensions, specification/program verification, model/program synthesis, and test generation. Additionally, practice and applications with them.
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.
(1) Advanced theories and techniques to analyze and develop systems (not only software), (2) abstract and structural thinking skills to identify and summarize the essence of problems, and (3) ability to propose reasonable solutions for the problems by utilizing (or extending, if necessary) the theories and techniques.
3. 研究指導方針 / Research Guiding Principle
I will teach you how to logically/abstractly/structurally think and discuss about a target problem. Through such thinking and discussions, you will learn how to identify the essence of the problem and how to find reasonable solutions. You need to initiatively and continuously consider and decide goal/plan/tasks/approaches/solutions of your research and study necessary knowledge and techniques for the solutions as an independent researcher (but I will present rough suggestions if necessary). I will give you advice on the directions of your consideration, decision and study via regular seminars, etc.
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： Research progress report meetings (about once per week), research seminars (about once per week, maybe jointed with other labs) □月次活動 / Monthly Activities： Degree progress report meetings (about once every two months) □不定期活動 / Occasional Activities： Individual research meetings, technical study sessions (two series of sessions per year), joint research meetings (as needed), research project meetings (as needed), joint seminar / seminar camp (at most once per year)
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)
Laboratory orientation for newly assigned students (June and December) Technical study sessions (August-September and February-March; every student brings their own topic; tutorials of fundamental theories/techniques/tools, introductions of state-of-the-art theories/techniques/tools, etc.) Joint seminar / seminar camp (summer; may not every year)

Participation in workshop/conference without peer-review (at least one academic presentation strongly recommended before master-course completion) Participation in international workshop/conference with peer-review (at least one academic presentation required before doctoral-course completion)