

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
Biosensor, oxide transistor, micro fabrication, BioMEMS, microfluidic device, analytical chemistry, elemental analysis by micro plasma
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.
Depending on each research topic of individuals, students are expected to acquire knowledge of the fundamentals of measurement and analysis, semiconductor and micromachine microfabrication technologies such as photolithography, the fundamentals of biotechnology, biomolecule handling technology, sensor electronics, and/or thermal/fluid simulation.
3. 研究指導方針 / Research Guiding Principle
Our lab welcomes students with variety of backgrounds and purpose. Our main teaching policy is to set goals that are tailored to each individual student's based on their own purposes and goals, and then provide support and guidance so that they can acquire what they want to achieve.
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 : Core-time is not set. <input type="checkbox"/> 週次活動 / Weekly Activities : Lab seminar for research report and journal reading (once/every moth/person). Meeting for each topic (at any time). <input type="checkbox"/> 月次活動 / Monthly Activities : Progress report <input type="checkbox"/> 不定期活動 / Occasional Activities : Domestic and/or international conference (once/half year), paper writing (on demand), lab party (4/year), acceptance of external students, joint research, workshop, end of year cleaning.
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)
Example for master students start from April. 1 st Apr. to July : Attending classes, safety training, attending seminars, deciding research topics, instruction for equipment and experimental methods. 1 st Aug. : Own research starts. Join Internship. Job-hunting starts. 1 st Dec. : Research Presentation for 1 st year master. 1 st Jan. : Application for spring conference. 1 st Mar. : Attending for spring conference, submit research proposal. 2 nd Apr. : Continue research, job hunting, minor thesis. 2 nd June : Application for autumn conference. 2 nd Sep. : Attending for autumn conference. 2 nd Dec. : Start to writing thesis. 2 nd Feb : Final presentation for master thesis.