

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
Micro-Mechanical Devices Powered by Motor Proteins
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.
* Protein engineering and skill of genetic engineering * Micro-fabrication (photo-lithography, soft-lithography, etc.) * Protein preparation and biochemical analysis * Operation of optical microscopes * Development of simple software for microscope and other devices
3. 研究指導方針 / Research Guiding Principle
We are challenging to develop a novel bio-hybrid micro-mechanical device integrating protein engineering and micro mechanical engineering. To achieve this, we encourage students to get a broad knowledge and flexible ideas and enjoy the research.
4. 研究室活動の内容及び方法 / Content and Methods of Laboratory Activities
<input type="checkbox"/> Daily Activities : Core time 10:00-16:00 <input type="checkbox"/> Weekly Activities : <input type="checkbox"/> Monthly Activities : Progress report meetings <input type="checkbox"/> Occasional Activities : Individual meetings, lab assemblies, presentation in conference retreats
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 New Students - Laboratory Retreat - Presentation in Conference (Biophysics, ROBOMECH etc..) - Presentation in Research proposal (M1) or Mid-term report of Master’s thesis.