

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
Polymer rheology, Polymer processing
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.
The notable characteristic of polymers is that the molecules are long, which allows them to exhibit "entanglement" interactions. This entanglement allows them to exhibit elasticity even in a liquid state, making it possible to apply a variety of processing operations. These characteristics are studied in the academic field known as rheology. In our laboratory, we employ rheological concept and processing techniques to develop the ability to create new functional materials and high-performance polymer materials that will be useful to society.
3. 研究指導方針 / Research Guiding Principle
Activities in our laboratory are primarily based on knowledge of polymer physics, and we set and conduct a variety of research themes, from material design to processing technology. Furthermore, in order to conduct research that is actually useful, we actively pursue collaborative research with companies.
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 : <input checked="" type="checkbox"/> 週次活動 / Weekly Activities : report (once in a week) <input checked="" type="checkbox"/> 月次活動 / Monthly Activities : presentation (once in a month) <input type="checkbox"/> 不定期活動 / Occasional Activities :
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)
Decision of research project (-July) Presentation at local conference (Nov.-Dec.) Presentation at domestic conference (2 <sup>nd</sup> year)