

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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<p>1. 研究テーマ / Research Theme</p> <p>Inspired by history of natural environment and biomaterials, we are designing and fabricating functional soft materials through organizing polymeric materials. To propose advanced energy converting systems, materials living with water are the target. Simultaneously, we are learning natural phenomena such as pattern formation for design of polymer networks.</p> <p>Research Field: Polymer Science, Photochemistry, Soft Matter, Interface and Colloid Science, Geometry, Nonlinear Science, etc.</p>
<p>2. 修得が期待される能力 / Competencies expected to be acquired</p> <p>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。</p> <p>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.</p>
<p>Logical thinking and understanding, experiment designing, scientific verification, high-quality presentations, ability to communicate in English.</p>
<p>3. 研究指導方針 / Research Guiding Principle</p> <p>During the training period prior to working in society, we will support the selected candidate to expand his/her potentials to the best of our capacity. Our group provides a diverse environment both in terms of research and culture. This is a priceless opportunity for constructing a versatile scientific personality. Based on the above-mentioned research objectives, the candidate will consciously pursue research on the following lines:</p> <ol style="list-style-type: none"><li>1. Develop the abilities of logical thinking and foresight.</li><li>2. Design and verify hypotheses through experiments and discussions.</li><li>3. Learn to use scientific language for public outreach purposes.</li></ol>
<p>4. 研究室活動の内容及び方法 / Content and Methods of Laboratory Activities</p> <p><input type="checkbox"/> 日次活動 / Daily Activities : Core time: 9 – 17 o'clock (Flex)</p> <p><input type="checkbox"/> 週次活動 / Weekly Activities : Group meeting: once or twice a week</p> <p><input type="checkbox"/> 月次活動 / Monthly Activities : Group meeting presentation: once a month, Individual meeting for presentation slide, paper manuscript: once a month</p> <p><input type="checkbox"/> 不定期活動 / Occasional Activities :</p>

Journal paper introduction, Proposal preparation, Paper preparation, Orientation for research activity, Workshop, etc.

#### 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)

(April) Safety and ethics training.

(July) New student orientation in the lab: Consultations on research topics begin.

Students are welcome to start in April upon request. Training on how to use laboratories and rooms. For the first six months of the research, students will be responsible for presentations and will increase the frequency of individual meetings to facilitate detailed consultations.

(August) Young researcher camp: Participate in a camp with members from all over Japan who are working for similar research.

(September) Presentation at domestic conference: Poster/oral presentation will be given depending on progress.

(January) Research group presentation: Poster/oral presentation will be given depending on progress.

(TBD) Presentation at international conference/symposium: Poster/oral presentation will be given depending on progress.

The above dates are guidelines. Oral presentations at conferences is recommended.