**＜専門演習・専門研究・専門実験の詳細＞**

**<The Details of Specialized Seminar, Specialized Research, and Specialized Experiment >**

KUEPに所属する学生は必ず指導教員の研究室に所属し，研究活動を行わなければならない。この研究活動の遂行により，下記の三つの科目の単位取得が可能となる。

(1) 専門演習（必修科目，最大年間８単位）

研究テーマに従い研究を行う。指導教員は定期的に進捗状況を確認し，学生の課題遂行度に基づき評価する。終了時に学習成果発表会（ポスター）を行う。

(2) 専門研究（選択科目，最大年間４単位）

研究成果の公開（学内での発表会を含む）を目指したもの。

(3) 専門実験（選択科目，最大年間４単位）

指導教員の指導の下、実験活動を行う。

研究テーマは指導教員と学生との話し合いにより決定する。その際，可能な範囲で学生の意向を考慮するが，話し合いの結果，指導教員の提案テーマになることもある。

◆**専門演習・専門研究・専門実験の違いについて**
**専門演習（必修科目）**

専門演習は指導教員のゼミへの定期的な出席、研究の進捗発表、論文の輪読といった研究活動全般が該当します。評価は学生の課題遂行度に基づき指導教員が行います。特に結果を伴う研究活動がなくても、研究室活動や研究活動をしていれば単位を出していただいて構いません。

質の保証を行うため、専門演習の単位付与にあたり、帰国前にプログラム生によるポスター発表会を課しています。
（こちらは1年滞在者でも半期滞在者でも一度だけ実施します。こちらは学生たちに、留学期間の学びの内容を発表させています。そのため研究に特化した発表する学生もいれば、研究室の研究内容や設備、研究室での生活を紹介するような発表の学生もいます）
　成績報告については「専門演習（高分子化学）」のように（　）で補足的に具体的な専門分野名を入れることができます。

**専門研究（選択科目）**

専門研究は研究成果（論文や発表）に対して与えられる単位です。この単位は選択科目のため学生との相談によって履修を決めてください。
　専門演習が研究活動そのものに対して評価するのに対し、専門研究は研究成果（論文や発表）に対して与えられる単位です。卒研に準じたものと考えていただければと存じます。
　学会（国際会議）での発表、論文投稿などがなされた場合、それをもって単位認定することが一般的です。研究活動において何らかの結果が出せていると指導教員が判断した場合でも単位認定可能です。

成績報告については「専門研究（高分子化学）」のように（　）で補足的に具体的な専門分野名を入れることができます。

**専門実験（選択科目）**

専門実験は実験系の分野に従事する学生に対して、その分野の機器や実験装置に熟練し、実験に従事した時間が22.5時間以上と認められる場合に与えられる単位です。特別な実験装置を使わない、特別な実験がなく、実験技術に習熟しない場合は履修できません。実験技術の習熟や実験作業に対して与える単位であり、実験結果に対して与える単位ではありません。実験結果や研究成果に対しては専門演習や専門研究での単位認定になります。成績報告については「専門実験（高分子化学）」のように（　）で補足的に具体的な専門分野名を入れることができます。

All KUEP students are required to belong to the laboratory of their academic supervisor and engage in research there. Through their research activities, students will earn credits for the following three courses.

1. Specialized Seminar (compulsory courses, up to 8 credits per year for KUEP Students)

Students conduct research according to their own research themes. Academic supervisors confirm the students' research progress periodically and evaluate their accomplishments. The students are required to participate in poster presentations of their research results at the end of the semester.

1. Specialized Research (elective courses, up to 4 credits per year)

Students present their research results to the public (including workshops on campus).

1. Specialized Experiment (elective courses, up to 4 credits per year)

Students perform experiments under the guidance of their academic supervisor.

Students and their academic supervisor discuss and decide on the research themes. The themes may be set as those proposed by the academic supervisor as a result of the discussions, although the students’ ideas and wishes are considered to the extent possible.

**◆ Differences among Specialized Seminar, Specialized Research and Specialized Experiment**

**Specialized Seminar (compulsory courses)**

All research activities, such as regular attendance at academic supervisors’ seminars, research progress presentations, and reading academic articles, fall under the Specialized Seminar course. Academic supervisors evaluate students’ accomplishments. Even if students do not achieve any remarkable results in their research, they may obtain credits just for engaging in research activities in the laboratory or doing their research.

In order to guarantee research quality, as of the last academic year, the students are required to do poster presentations before returning to their home institution in order to earn credits for the Specialized Seminar course.

(Poster presentations are held only once both for one-year-program students and half-year program students. Students are required to present what they have learned during their studies at Kanazawa University. Some students make presentations focusing on their own research, while others may introduce research topics or the equipment and facilities of the laboratories and their daily life in the laboratory.)

For grading, students may request to add the specific names of specialized fields in ( ), such as "Specialized Seminar (Polymer Chemistry)."

**Specialized Research (elective courses)**

Specialized Research is a course whose credits are given for research results (articles and presentations). As this course is elective, the students are required to decide whether or not they must take the course through consultation with their academic supervisor.

While the Specialized Seminar course evaluates the research activities themselves, credits for the Specialized Research course are given for research results (articles and presentations); the course is therefore equivalent to conducting research for graduation.

Generally, credits may be obtained for presentations at academic conferences (international conferences) or contributions of articles to publications. Credits may be also obtained when academic supervisors recognize that some research results are available.

For grading, students may request to add the specific names of specialized fields in ( ), such as "Specialized Research (Polymer Chemistry)."

**Specialized Experiment (elective courses)**

Specialized Experiment is a course whose credits are given to students engaged in the field of experimental systems, or when it is recognized that they are skilled in using equipment and experimental devices in the appropriate field, and that they have engaged in conducting experiments for 22.5 hours or more. The students may not take the course if they do not use any special experimental devices or need to carry out special experiments, or do not become proficient in experimental techniques. Specialized Experiment is a course whose credits are given to proficiency in experimental techniques or experimental work, not to experimental results. Credits for experimental results and research results are obtained in the Specialized Seminar or Specialized Research course. For grading, students may request to add the specific names of specialized fields in ( ), such as "Specialized Experiment (Polymer Chemistry)."