

**Questionnaire for 4th Year and Graduate Student at the Applied Chemistry
Functional Class (2007. 7)**

Q1 Why did you choose the Functional Class as your "first choice" in course placement?

- I chose Applied Chemistry because it has connections with various fields such as physics, biology, and environmental science, and I thought that in the Functional Class I could acquire a wider range of knowledge directly related to these fields, not just in chemistry.
- I chose Applied Chemistry because it seemed the most like chemistry. The functional class seemed to have a good balance of research fields.
- I was attracted by the idea of creating molecules with functional properties.
- The Functional Class covers a wide range of chemistry. I chose functional chemistry because I couldn't decide what I wanted to do when I was a freshman.
- At that time, I was still interested in what I wanted to study. I was not sure what I wanted to study, so I chose the Functional Class in Applied Chemistry Course, which has the widest range of research fields (organic, inorganic, polymer, bio-related-synthesis/analysis) in the Department of Materials Science and Engineering.
- I chose this course because it is said to be the most rigorous functional course, and I thought it would be a good place for me to study.
- There are various laboratories such as inorganic, organic, analytical, etc., so I thought I would have a wide range of choices.
- I liked so-called chemical experiments, so I thought I would choose Applied Chemistry. I had an image that in the Functional Class people are interested in characterization more than synthesis.
- I wanted to try synthesizing new materials.
- I entered the university to study, and I thought I could learn a lot in the Functional Chemistry class because of the high level of research activities and the wide range of

research areas of the laboratories in the class compared to other classes.

- I chose the Functional class because it is wide-ranging from inorganic (materials) to organic, which further broadens my options.
- Because of the wide range of research fields. Materials, inorganic, organic, and optical sciences. I was just a first-year student and did not know what I would do in the future when I was sorting out my future path. So I chose a wide range of fields, and later I thought about my future slowly and carefully.
- I was interested in "chemical research for commercialization" from the very beginning of my studies. I wanted to major in chemistry from the beginning, and I chose it for its function from the viewpoint that it would be close to industrial applications.
- I wanted to do something that would improve global environmental problems, and such a laboratory was in the functional class.
- At the time of course placement, I did not yet have a specific wish to go to this laboratory, but I thought it would be fun to study in the Functional class because there were laboratories in a variety of fields.
- I wanted to take this course because I felt that I could take a wide range of courses in various basic fields of chemistry and gain basic academic skills for my field of specialization.
- I was attracted by the wide variety of courses offered in one course, including inorganic, organic, analytical, theoretical calculation, biochemistry, and macromolecular sciences. In fact, I was able to think carefully when selecting my laboratory.

Q2 I have heard some say that "the Student Experimental Courses in the Functional Class are very tough due to the wide range of fields and the large amount of experiments". Was it just hard work?

- It was good to be able to experiment in an area I had never experienced before. Even though the specific field that I was not interested in, I was able to learn how interesting it was through the experiments. I also think that I was able to get to know my classmates better by cooperating with them in the experiments.
- I was able to do a wide range of experiments, not only organic, but also inorganic, lasers, etc., so I never got bored.
- The textbooks were well written and explained in detail, so I was able to actively engage in the experiments.
- I am now a master's student, and I can recall that the wide range of knowledge and skills I gained from the Student Experimental Courses are the foundation of my current career.
- The closeness between each laboratory and the students.
- There are various Student Experimental Courses in a wide variety of fields such as organic, inorganic, and analytical, and each student experiment includes a report during the consultation period, so that students can acquire basic knowledge outside of the laboratory they will enter in the future.
- In the Experimental Courses, a student able to conduct experiments that are unique to each laboratory, so that students can reach their own areas of interest.
- The laboratory is not biased toward any particular field, and students can experience a wide range of experiments.
- First of all, there is a rumor among undergraduates that Student Experimental Courses in the Functional Class are tougher and harder than those in other classes. However, this is no longer true, and the difficulty is not so different from other classes. However, this does not mean that the contents of the experiments are less demanding. The Student Experimental Courses in the Functional Class allow students to practice a wide range of areas, allowing

them to efficiently learn the basic experimental techniques necessary for scientific research. This is a point that can be evaluated. However, the content of the experiments is so broad and dense that it is difficult for students to understand, and I feel that the instructors (TAs) need to explain the purpose, content, and appeal of the experiments to the students in a more concrete and easy-to-understand manner.

- I can't compare with other courses, but I think that the experiments in the Functional Chemistry Course are characterized by 1) wide range and variety, 2) many friendly and interesting TAs, 3) you can get along with everyone in the class, etc. I think that the experiments are very useful for students who are interested in chemistry and want to learn more.
- The Student Experimental Courses are an important opportunity to cultivate basic skills as a chemistry student, so it was valuable to be able to experience basic experiments in a variety of fields.
- It doesn't just end with "this is what happened when I mixed chemicals." Thereafter, I have now established the ability to actually use analytical equipment such as SEM and NMR.
- Although the content may have been a little more demanding than other courses, I am glad that I was able to conduct experiments in each laboratory because I believe that this kind of experience will definitely be put to good use.
- I was able to conduct experiments in various fields, which was helpful when choosing a laboratory.
- I was able to do most of the experiments by myself thanks to the help of the TAs, etc. Although I made many mistakes, the operations I learned in the student experiments are often useful in my current research. I also had many opportunities to talk with TA students and professors, which was helpful when choosing my career path.
- The opportunity to actually perform reactions that appear in organic textbooks (such as synthesis of highly functional molecules and indicators that are actually used). The ability to use the latest measurement equipment.
- The course is very hard, but I have learned the ability to write reports.

Q3 Please feel free to write any points you would like to emphasize as advantages of your functional class.

- I don't think any student can fully understand what kind of research is being done during their first year. There are various laboratories in the Functional Class, and they can do what they want.
- Students can search for a job without limiting your field too much. Since the Students Experimental Course tend to take a long time, it is easy for students to get along with each other.
- If you want to do organic synthesis, I think the Functional Class is good. I think all the laboratories are friendly and fun.
- There are tough times, but there is a lot more fun and joy than that! I don't think you can get this feeling anywhere else. I have entered the laboratory and started to conduct experiments in earnest, and I am leading a fulfilling life every day. Even if you haven't decided exactly what you want to do yet, I am sure that you will find something you want to do at the function.
- I think that the range of the laboratory is wide, so you can think about which laboratory you want to go to through lectures and practical training in the second and third years.
- I don't know much about other places, but I think it would be easy to get a job.
- I think it is easy to find a job in a wide range of fields.
- Have a (very) solid back up for employment. Since the department itself has a long history, there are many senior alumni in industry.
- Students can see a wide range of chemistry in the Functional Class, so they can examine what they really like.
- To students looking for a job : job opportunities seem to be very good. Also, while research activities are difficult, I think the workplace will be even more demanding than the laboratory when it comes to finding a job in the future, so if you are well trained while you

are still a student, you will be able to do better once you get a job.

For students interested in research : The faculty members in each laboratory are very enthusiastic about research, and the facilities are well-equipped, making it a very good research environment. As a first year student, it can be difficult to find what you really want to do. With many functional courses to choose from, you can take your time while experiencing a wide range of lectures and experiments, so you can find what you want to do.

- It is difficult to find what you really want to do in your first year. In the Functional Class, which offers many options, you can spend a lot of time experiencing a wide range of lectures and experiments, so you can find what you really want to do.
- Students get along well with each other and there is a friendly atmosphere, but many students take their studies and experiments seriously, which is a good stimulus. Especially after being assigned to a laboratory, students can learn specialized knowledge in depth, which makes chemistry more interesting.
- Students can experience the fun of chemistry on a daily basis. The experimental facilities and environment are very good, allowing for cutting-edge research.
- Many of the faculty members are young, so this is a course that will continue to grow in the future. The course covers a variety of specialized fields, such as nanotechnology, biotechnology, environment, information, and energetics, so students can grow as "scientists" rather than "chemists".
- In the graduate as well as the undergraduate courses, students are necessary involved in oral presentation with defense. I believe that such occasions will advance your skills necessary for job-hunting interviews.
- I like the fact that I was able to choose my career path to some extent even after dividing into functional courses because the laboratories are not engaged in similar research and have a wide range.
- The top class achievement and name recognition among Kyushu University.
- I think I can do research that can be reflected in society in the near future to some extent

although I am not sure if this is a feature of the functional course only.

- I think that the research themes in the Functional Class have a clear idea of what they will be used for. Therefore, I think the functional class is good for those who want their ideas to spread and be used by many people in the world.
- I think that the Functional Class is good for people who want to use their ideas for a wide range of people.
- In the Functional Class, each laboratory is involved in totally different branches of chemistry, so I am sure that there is a laboratory that does what you want to do.
- The particular area of chemistry in the Functional Class is totally different from laboratory to laboratory, so I am sure there is a laboratory that does what you want to do.
- Three years on a stone. There are many friendly people here.
- You know what "time is money" really means. Also, I would say to you "three years on a stone". By the way, there are many friendly people here.
- The research achievements are amazing. Many research funds, such as large budgets, are available.