Toyohashi University of Technology,

Institute for Global Network Innovation in Technology Education

News from QC

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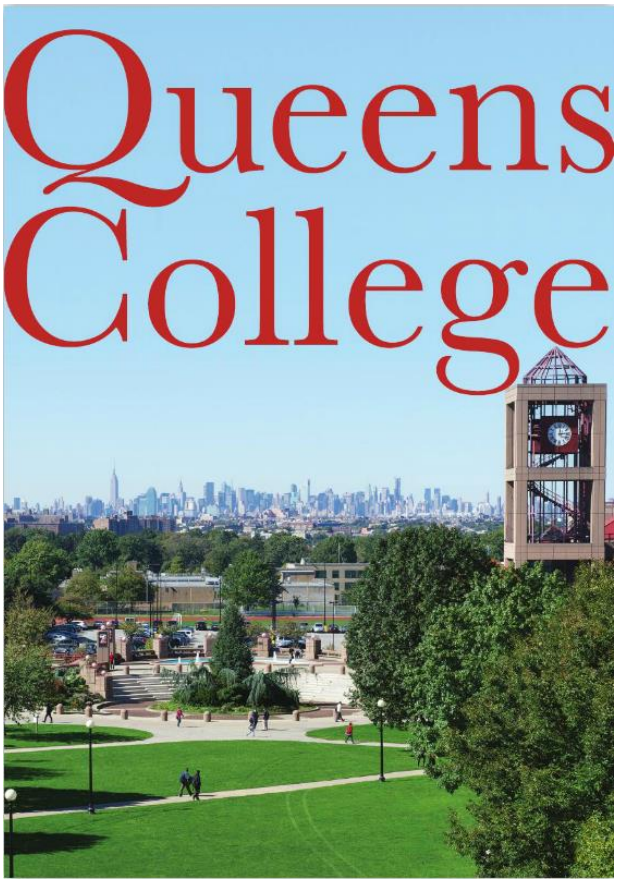

■ Reports

A drawing class for stimulating a creativity

Ryushi Kimura, National Institute of Technology, Kochi College

INTRODUCTION

I have taken a drawing class in Queens College. I will introduce the drawing class because the contents is very unique and good at stimulating for my creativity.

New York is world-famous art city such as a musical on Broadway and origin of pop-art by Andy Warhol or Keith Haring. I teach my students architectural design and color coordination in an architectural drawing class and architectural environmental engineering class in Kochi College. In the classes, students have to design a building with their creative ideas. Sometimes, I give some advices to students who don't come up with their ideas. So, why I took the drawing class is to get some hints to give some advices which stimulates students' creativities.

Drawing class

The drawing class is conducted for four hours per a week. There are 15 students who are from different majors in the class. We think, express and create freely our art-work using various materials and method. For instance, to draw a human motion as one of subjects, we learned a proportion of human body by drawing a human skeleton model, before we drew the human motion (Pic.1).

Pic.1 A lecturer and a human skeleton model

We tried other unique ways such as a drawing a still life as we put a blindfold and drew it by only hand touching and a drawing imaginably by a conversation.

While we draw our arts, students can talk, walk around freely, moreover they can listen to music, because they are not restricted their action tightly. We have a time to show and criticize our work each other at the middle and end of the class. Then, students said freely and magnificently like an art critic, "This part of your work looks like Impressionists", "If you modify this part, your work will be famous pop art class!" (Pic.2). A trait of their opinions is a little exaggerated but positive.

Those various methods and putting positive opinions might trigger that students can say and express freely and grow their creativities in the end.

Pic.1 Lecturer and the skeleton model

Pic.2 The time to criticize the works

Daily life at Queens College

Seiji Fujiwara, National Institute of Technology, Akashi College

INTRODUCTION

In this month's issue, I will introduce about the laboratory and lectures that I took.

LABORATORY

I am visiting theoretical chemistry laboratory at Queens College. Professor of this laboratory is Dr. Seogjoo Jang, who is Korean and graduated Master course of Seoul National University. After that, he went on to PhD course of University of Pennsylvania and got PhD at there. There are two undergraduate students, two PhD course students and three Postdoctoral Researcher in this laboratory (Photo. 1). Although most laboratories of Queens College are small, this laboratory is something like laboratory. Especially, there is a Japanese female Postdoctoral Researcher, who has been studying at an American university since Undergraduate course.

The research topic of this laboratory is theoretical research on energy and charge flow dynamics in condensed phase molecular systems ranging from liquids to biological systems. Group meeting is conducted every Friday and one professor, who is collaborator and work for St. John's University, also attends at this meeting. I go to the laboratory except for lecture and do some works.

LECTURE

I am taking thermodynamics as a credit required subject and conceptual physics as an audit subject. Each subject is conducted twice a week. Thermodynamics is conducted every Tuesday and Thursday from 7 p.m. to 8:50 p.m. Conceptual physics is conducted every Monday and Wednesday from 16:50 p.m. to 18:40 p.m. Thermodynamics is scientific one and the approach is slightly different from engineering thermodynamics that I teach in Japan. Therefore, I am enjoying taking the lecture. Phot. 2 are signatures of famous physicists that prof. brought to the thermodynamics class happily. The first one is a signature of P. A. M. Dirac and the second one is that of Louis de Broglie. I was impressed that it was very the United States. It is, however, lovely sight that professor showed off his treasure to his students proudly. This is lovely America.

Photo 1

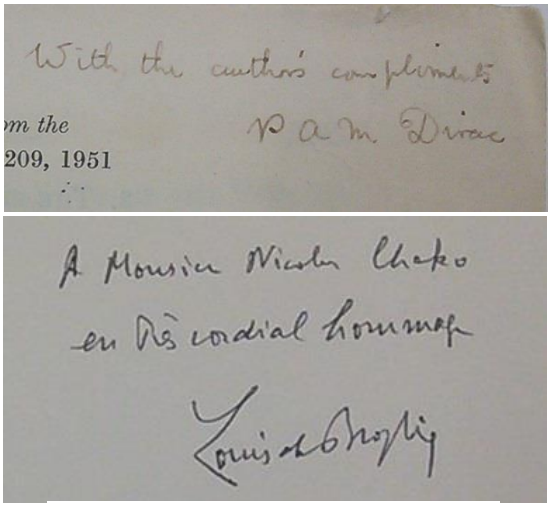

Photo. 2.

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