

Information for Ph.D. candidates (summarized by T. Uwada)

Educational policy

As a future scientific leader in the world, Ph.D. students are required to improve both detailed understandings of science and international communication skills. From this viewpoint, proceeding your research under world famous professor, Prof. Hiroshi Masuhara, is quite helpful. He will give advices based on his wide vision and suggest potentially impactful topic as your thesis. Moreover, we have two independent staffs, Dr. Miura and Dr. Uwada, and one of them will be an exclusive advisor for you. This means our lab can give detailed instructions for whole of Ph.D. course period. Through your thesis, we expected you to grow up to new scientific pioneers.

In order to improve your international sense, we promise to send you to Japan for several months as a part of collaborative work with Prof. Yoichiroh Hosokawa and Prof. Teruki Sugiyama in Nara Institute of Science and Technology. And we will give some opportunities to attend international conference related to your thesis, such as ICP (international conference of photochemistry), IUPAC on Photochemistry, MRS (Material Research Society) meeting, ACS (American Chemical Society) meeting, meeting of SPIE (The International Society for Optical Engineering), and so on. As the result, you will have enough skill to go abroad as a top researcher.

Required skill

Our research topics exist in really interdisciplinary field crossing on physical chemistry, solid state physics, nanotechnology, cell biology, laser technology, and crystal engineering, so that we welcome every student. We can choose suitable thesis for you according to your skills and interests. For example, if you have a good skill for computer programming, we will advice you to build a novel measurement system. Or, we will encourage you to investigate molecular migration in living animal cells if you can incubate cells. **All we need is only your motivation.**

Ph.D. Student Fellowship

We can provide fellowship from NCTU, "International Scholarship at National Chiao Tung University", but no travel expenses. Fellowship for the first year is US\$ 300-500/month depending on qualification; after the first year it is ~US\$ 770/month. Please refer to a website (<http://www.ia.nctu.edu.tw/>). The application of it is explained in the website.

(http://www.cc.nctu.edu.tw/~academic/secondary_academic/item_5.html)

- The fellowships from Taiwan government are also available. Please refer to a website (<http://www.ia.nctu.edu.tw/>).
- Moreover we can pay salary for part-time research assistants from our National Science Council

budgets.

- Please contact masuhara@masuhara.jp for interested projects before submission of applications.

Regulation of Ph.D. degree in Department of Applied Chemistry

• The minimum duration of the Ph.D. degree course is 2 years. The maximum duration of the Ph.D. course is 7 years. A Ph.D. course student is required to become a Ph.D. candidate no later than at the end of his/her third year of enrollment; failing to fulfill this requirement results in the termination of the study. The following requirements should be fulfilled to become a Ph.D. candidate.

a. Collect at least 20 credit hours of classes, including 4 credit hours of seminars and 2 credit hours of departmental colloquium.

b. Pass qualification oral and written examinations.

c. Oral examination: the student is required to submit a research proposal related to his/her Ph.D. dissertation topic to the Ph.D. committee and defend it.

d. Written examination can be passed in two possible ways:

e. Pass 3 written cumulative tests; these tests that cover various topics in chemistry are offered to Ph.D. students every 4 months.

f. Be the major contributor of at least two published/accepted scientific papers in refereed journals.

Every Ph.D. student is required to be the major contributor for at least two scientific papers that are published (or accepted) in refereed journals. These papers must be different from the papers used to satisfy Regulation 3.

• To obtain a Ph.D. degree, every student is required to submit a Ph.D. dissertation to the Ph.D. committee and defend it.

Tuition, Fees and Living Costs per Semester

Currently, tuition and fees for graduate students, tuition is NT\$1,590(US\$50) per unit plus mandatory fees of NT\$13,000 to NT\$13,500 (US\$400-420). Books and supplies cost about NT\$5,000 to NT\$10,000 (US\$150-300).

All international students will be provided with on-campus housing. Graduate students dormitory accommodates 2 to 4 students each room and costs approximately NT\$5,800 to NT\$9,200 (US\$190-300) per student. Living expenses besides housing range from NT\$8,000 to NT\$15,000 (US\$250-500) per month.

Contact

Please contact to Prof. Masuhara if you are considering to join our lab. He will advice

your thesis and fellowship kindly (masuhara@masuhara.jp). Dr. Miura and Dr. Uwada will also help you (their e-mail addresses are miura@mail.nctu.edu.tw and uwada@mail.nctu.edu.tw , respectively). If you want to ask in Mandarin, please contact to our assistant, Ms. Lee (carolin@mail.nctu.edu.tw).