

National Tsing Hua University

Department of Electrical Engineering

Regulations for the Doctor of Philosophy (Ph.D.) Degree Program

【104 學年度(含)起入學者適用/apply to students entering Fall 2015 and after】

The regulation was made and approved by the Department of Electrical Engineering in July 30, 1986.

Revised and approved in March 3, 2022.

A 、 Admission

Positions in Ph.D. programs are offered through one of the following processes:

1. Application for entrance by recommendation or passing the Entrance Examination of Ph.D. programs.
2. For student who tends to direct pursuit the Ph.D. degree, the eligibility of is based on the rule of “direct pursuit of the Ph.D. degree (Bachelor)” of NTHU or the rule of “direct pursuit of the Ph.D. degree (Master)” of NTHU. In addition, the applicant must be recommended by at least two professors from previous department or related departments. Finally, the application must be approved by the graduate school of the Department of Electrical Engineering. For more information about “direct pursuit of the Ph.D. degree”, please visit the Division of Registration <http://registra.web.nthu.edu.tw/files/13-1086-5137.php>
3. Transferring from Ph.D. programs in other departments of the NTHU or other university among the University System of Taiwan (UST). In addition, the application must be approved by the graduate school of the Department of Electrical Engineering.
4. Foreign student application eligibility is based on the Ministry of Education (MOE) Regulations -Regarding International Students Undertaking Studies in Taiwan. In addition, the application must be approved by the graduate school of the Department of Electrical Engineering. For the latest information regarding the MOE Regulations, please visit MOE website at <http://english.moe.gov.tw/>
5. Mainland China student application eligibility is based on the Ministry of Education (MOE) Regulations. In addition, the application must be approved by the graduate school of the Department of Electrical Engineering. For the

latest information, please visit the website of the Division of Admissions at <http://adms.web.nthu.edu.tw/bin/home.php>

B · **Period of study**

The minimum and maximum period of study for Ph.D. programs are two and seven years, respectively. Part-time students can extend the period of study for two more years.

C · **Course requirements**

Ph.D students in the EE department are required to take postgraduate courses, recognized by the department for more than 18 credits (excluding the required courses by university and the required credits for Ph.D Thesis). Students who pursue Ph.D. degree directly are required to take at least 30 credits recognized by the department.

D · **Qualifying Evaluation**

1. Ph.D students are eligible for qualifying evaluation soon after registration. For detailed information, please refer to the [Qualifying Examination Rules of Implementation](#) of the department.
2. Ph.D. students are required to pass three subjects in the Ph.D. degree evaluation within three years after enrollment (leave of absence is not counted), and at least one of the passed subjects has to be related to the candidate's research field. Failing to pass three subjects within three years after enrollment leads to the dismissal of the Ph.D study. The evaluation results are counted during leave of absence semesters.

E · **Thesis requirements**

1. Each Ph.D. student is required to have at least one advisor before the end of his second-year study. (Professors, Associate Professors, and Assistant Professors in the Department of Electrical Engineering are all eligible for being advisors). In case that the student cannot find an advisor before the end of his second-year study, the Chairman of the department can assign two professors to investigate the difficulty. If the student is determined unsuitable to study in the department, he or she will be suspended from school.
2. The main advisor must be the professor in the Department of Electrical Engineering. For research purposes, students can apply for a second advisor (Professors, Associate Professors, and Assistant Professors) who belongs to the other departments in the NTHU or other universities after the second

semester. The application must be approved by the main advisor and the Chairman of the Department of Electrical Engineering.

3. Change of a thesis supervisor is subject to approval from the department.

F · Ph.D. Degree Committee

The department will organize a Ph.D. Degree Committee for each Ph.D. student within the first year after the advisor is determined. The committee consists of the student's advisor, one member recommended by the advisor, and one member nominated by the chairman of the department. The committee members will be the examiners in the "Ph.D. Degree Examination".

G · Content and Quality of a Ph.D thesis

1. A Ph.D thesis is required to be an original piece of research work which is completed by a Ph.D candidate under the supervision of his advisor. The thesis itself has to be a complete work, with careful discussions and systematical structures.

2. The research results are to be shared between advisors (or project leaders) and students involved in the same project. If a student changes to have a new advisor, the results obtained from his/her previous project must not be included in his/her thesis or any publication without the consent of his/her ex-advisors.

3. In addition to thesis, a Ph.D. student has to prove his/her research results reaching the level of reputable SCI international journals or conferences. The Ph.D. student is required to publish paper on international journals or conferences as the first author (except for **the advisor**) and his/her advisor must be a coauthor. The list of reputable SCI international journals and conferences can be found in "**Recommended journals and conferences for publishing Ph. D. results.**" The quality and quantity of published papers are to be evaluated by the Ph.D. Education Committee of the department.

H · Preliminary application for Ph.D degree Examination

Ph.D. students are required to submit the following documents to the Postgraduate Education Committee of the department for applying for an oral defense as Ph.D degree examination.

1. Certificate of passing qualification exam.
2. Published papers (note SCI, impact factor)
3. Official transcripts proving that the course requirements have been fulfilled.
4. Certificate of passing test on first foreign language ability.

5. Originality of the Ph.D thesis (described within three pages)

I 、 Oral defense (Viva)

The oral defense for a PhD degree examination is subject to the Code of Practice for Ph.D. Degree Examination. For detailed information, please refer to <http://registra.web.nthu.edu.tw/files/13-1086-5155.php#m3>.

J 、 Revocation of a Ph. D. Degree

If a Ph.D thesis is prosecuted for containing plagiarized or faked materials, and if the prosecution is proved to be true by the jury organized by the university, the awarded Ph. D. degree will be revoked and the Ph.D student will be disqualified from pursuing a Ph.D degree, and the student's Ph.D. study will be dismissed.

K 、 Any amendment to the program above must be approved by the graduate school of the Department of Electrical Engineering before its implementation.

(These Regulations are adopted in Chinese, which shall prevail in case of any discrepancy between the English translation and the Chinese original.)