

Doctoral Graduation Requirements of the Department of Physics, NTNU

Approved at the Faculty Meeting of Department of Physics, 1991
Revised and Approved at the Faculty Meeting of Department of Physics, 2009
Revised and Approved at the Faculty Meeting of Department of Physics, 2015

Article 1: The Regulations on Graduation from the Doctoral Program are established in accordance with “Regulations Governing the Review of Qualifications for Graduation” of National Taiwan Normal University.

Article 2: Graduate students who have fulfilled the following conditions will be awarded the Doctorate Degree:

1. Satisfactory completion of the required courses and credits within the allowed period.
2. Passing of the doctoral qualifying examination and degree examination (also known as defense of the Ph. D dissertation).
3. Publishing at least one research article in journals listed in SCI, SSCI, EI, TSSCI, or A&HCI based on their doctoral dissertation (acceptance letter from the journal editors is acceptable).
4. Serving as a teaching assistant in the department for at least one semester or having equivalent teaching experience (application for exemption should be made to the Graduate Students Committee).

Article 3: A minimum of eighteen credits is required for graduation, which should be from courses with codes beginning with “PHD” or “PHC”. For those who enter the Doctoral Program directly, a minimum of thirty credits is required for graduation, of which eighteen credits shall be courses with codes beginning with “PHD” or “PHC”.

Article 4: The required courses and credits for graduation are as follows:

1. Quantum Mechanics I, II (6 credits in total), Classical Mechanics (3 credits), Classical Electrodynamics (6 credits), Statistical Mechanics (3 credits).
2. At least 3 credits from courses related to their doctoral thesis and 6 credits from courses in other subfields (including 3 credits from Graduate Colloquium). Courses of various Special Research Topics are not included in this category.
3. Courses in category 1 can be exempted if they have passed the same courses prior to entering the Doctoral Program. Application for exemption should be made to the Graduate Students Committee.
4. Qualifying courses for category 2 should be defined by the thesis advisor.

5. Graduate students should submit the name of their thesis advisor to the departmental office before the beginning of the second semester in their second year in the program and pass related courses on Special Research Topics (6-12 credits) before graduation.

Article 5: The doctoral qualifying examination includes written and oral tests. Details of the regulations of the examination will be specified in another document. Graduate students who have passed the qualifying examination are considered as doctoral candidates.

Article 6: The process of mid-term assessment:

1. Each doctoral dissertation committee shall be composed of five members. Members of dissertation committee should be members of the graduated faculty committee and the candidate's advisor; however the coordinator of the dissertation committee cannot be the candidate's advisor.
2. The mid-term assessment shall be held within one year after the candidate's qualifying examination. Furthermore, the dissertation committee will evaluate if the quality of candidate's research meet the standard via vote.
3. The candidate who fails the mid-term assessment has to take and pass the assessment within one year after failure.
4. The examination for doctoral degree cannot be held if the mid-term assessment is not satisfactory

Article 7: Doctoral candidates must fulfill the requirements listed articles 2-4 before they can take the degree examination. They must submit the application form for doctoral degree examination to the Graduate Students Committee for qualification review two weeks before the end of adding/dropping courses period in the graduation semester.

Article 8: Doctoral students must meet the graduation criteria for foreign language proficiency

Article 9: The doctoral graduation requirement is approved and amended by the board of faculty meeting of Department of Physics.