

**PhD Qualification Exam**  
**Department of Physics, National Taiwan University**

All students are required to take the Written Exam and Oral Exam. Students who fail to pass their Written Exam are not allowed to take the Oral Exam.

■ **Rules for the Written Exam:**

1. The subjects to be taken include:  
Part I: Quantum Mechanics (50%) and Classical Electrodynamics (50%); or  
Quantum Mechanics (50%) and Statistical Mechanics (50%)  
Part II: Nano Science and Technology (100%)
2. The Written Exam is held once a year. Part I is held within two weeks after the second semester starts; Part II is held within two weeks after the second semester ends. Students must take the Written Exam in their first year and both Part I and Part II must be passed within two years counted from the student's enrollment day. Students who do not meet the requirement will be regarded disqualified, and must withdraw from the doctoral program.
3. Students are required to pass both Part I and Part II, and can only retake the Part failed in the first time once.

■ **Rules for the Oral Exam (applicable for students enrolled in/after 2006):**

1. Students who pass the Written Exam can apply for the Oral Exam with a 10-page (or more) dissertation proposal in English that states their research subjects.
2. The Committee of Oral Exam is composed of three to five members, and the advisor is one of them. The other members are professors from related expertise chosen and recommended by the advisor.
3. The Oral Exam is held once a semester. Students should take and pass the Oral Exam within 1.5 years after passing the Written Exam.
4. Students can submit an application for their Dissertation Oral Defense after they have passed their Oral Exam at least one year later.
5. From Academic Year 2006, students who pass the Written Exam should take the Oral Exam within 1.5 years. After completion of the Oral Exam, they should submit (1) their 10-page (or more) dissertation proposal in English and (2) the result and Committee list of Oral Exam to the Office of Department of Physics, NTU. The Department Office will hand them in to the Graduate Committee for evaluation. Students passing the evaluation are regarded passing their "Oral Exam."