

Regulations of Qualifying Examination of Doctoral Degree

Revised and approved by Department Affairs Council on June 25, 2018

For students who enrolled in (or after) September, 2018

1. According to [NCKU Directions for the Administration of the Ph.D. Qualifying Examination](#), these directions are established by Department of Civil Engineering of National Cheng Kung University (NCKU).
 2. Student is required to take qualifying exams within three years after enrolling. Student can choose one of conditions as below to pass examination(s):
 - (1) Passed two subjects by student's own division. (see the 3rd point)
 - (2) Submit a paper for qualifying examination waiver (see the 5th point)
 - (3) 具備結構技師、大地技師、交通技師、土木技師、建築師、水利技師、水土保持技師、應用地質技師或土木相關技師與土木相關高等考試之錄取資格。
 - (4) International students can submit a certificate of Civil Technician for qualifying examination waiver, and the certificate shall be verified by Taiwan Embassy or Mission. The certificate must be approved by Academic Committee.
 - (5) Student who studies in our department transferred into new a division has been passed qualifying examination in original division
 3. Students should choose two subjects by their own divisions as following.

Note: A: Structural Engineering; B: Geotechnical Engineering; C: Traffic Engineering; D: Structures and Materials; E: Engineering Management)

 - A. Engineering Mathematics, Theory of Elasticity, Dynamics of Structure, Finite Element Method
(工程數學、彈性力學、結構動力學、有限元素法)
 - B. Soil Mechanics, Foundation Engineering, Engineering Geology
(土壤力學、基礎工程、工程地質)
 - C. Pavement Analysis, Advanced Bituminous Materials, Engineering Statistics
(鋪面分析、高等瀝青材料學、工程統計)
 - D. Mechanical Properties of Materials, Deformation Mechanisms of Materials, Fracture Mechanics, Advanced Steel Design, Advanced Reinforced Concrete
(材料機械性質、材料變形機制、破壞力學、高等鋼結構、高等鋼筋混凝土)
 - E. Financial and Cost Concepts for Engineering & Construction, Project Schedule Control, Operation Research, Engineering Information Management
(工程成本與財務、工程時程控制、工程資訊管理、作業研究)
- [All subjects will be formulated in English. Student only can choose Student can take one subject for examination every time, and student only can choose another subject for qualifying examination after passing one subject.](#)
4. The examination will be held in each March and October. Department office will announce the examination date and information about examination one month in advance. Applicant should submit the application and documents after advisor or chairman approves.
 5. According to the 2nd point, the paper shall be accepted or published by SCIE, SCI, or SSCI journal. This paper won't be regarded as a condition for PhD degree examination.
 6. Department will issue a certificate of PhD candidate after PhD student passes qualifying examination.
 7. Any matters that are not regulated in the Regulations shall be established by the Academic Committee.
 8. The Regulations should be approved by a Meeting of Department Affairs and ratified by the NCKU in order to take effect. Any amendments shall be processed accordingly.