

# 國立虎尾科技大學光電工程系光電與材料科技研究所博士班資格考試實施要點

## Guidelines for Ph.D. Qualification Exam in Ph.D. program of Electro-Optical and Materials Science of Department Electro-Optical Engineering of National Formosa University

105. 12. 14 光電工程系 105 學年度第 3 次系務會議通過

Approved by the 3<sup>rd</sup> Department committee in 2016, Department of Electro-Optical Engineering, Dec. 14, 2016

國立虎尾科技大學光電工程系光電與材料科技博士班資格考試實施要點係依據本系博士班修業辦法訂定之。

The “Guidelines for Ph.D. qualification exam in Ph.D. program of Electro-Optical and Materials Science of Department Electro-Optical Engineering of National Formosa University” is based on the Ph.D. criteria for study of the Department of Electro-Optical Engineering.

第一條 資格考試原則上每學期舉辦一次，於每學期開學後第四週受理資格考試申請，並於十一月及五月舉辦資格考。

Article 1 In principle, the qualification exam is held once in every semester. The application for the qualification exam takes place during the 4<sup>th</sup> week in each semester. The qualification exam will take place in November and May.

第二條 資格考試以筆試方式舉行，選取三科科目應考(詳如附件)，得列選考科目；各科考核成績以一百分為滿分，七十分(含)以上為及格。

Article 2 The qualification exam is held by means of written test. The student should select three subjects for qualification exam (the details are shown as the appendix); the selected subjects should be listed. The full score for each subject is 100 points, while the score for passing the exam is 70 points or more.

第三條 資格考試選考科目，應送本系系務會議決議，修訂時亦同。

Article 3 The selected subjects for the qualification examination were reviewed by the department committee, and it will be the same when amended.

第四條 資格考試選考科目若有變更，研究生應考之科目以其入學年度本系公佈之科目為原則。

Article 4 If the selected subjects are changed, the subjects for postgraduates are based on the subjects announced by the department in the year of admission.

第五條 資格考試須於博士班入學後二年內完成，不及格之科目得申請重考；資格考試選考科目，博士班研究生於該科考試不及格後，得更換一門考試科目，但以一次為限；未依規定年限及次數完成者，得令退學或提高發表期刊論文篇數或技術成果：1 科未及格者，提高發表期刊論文篇數或技術成果之 2 倍；2 科未及格者，提高發表期刊論文篇數或技術成果之 3 倍；3 科不及格者，應予退學。

Article 5 The qualification examination must be completed within two years after admission to the doctoral program. Failed subjects can apply for re-examination. For the subjects selected for the qualification examination, doctoral graduate students who fail the examination can change one examination subject, but only once. Those who fail to complete the required number of years and times may be ordered to withdraw from school or increase the number of journal papers or technical achievements published. Those who fail 1 subject will increase the number of journal papers or technical results

published by 2 times. Those who fail 2 subjects will increase the number of journal papers or technical achievements by 3 times. Those who fail 3 subjects should be dropped out.

第六條 資格考試完畢後，其成績須於該學期中（十一月底與五月底）前送交本系。

Article 6 After the qualification examination is completed, the scores must be submitted to the department office before the middle of the semester (end of November and end of May).

第七條 本要點經系務會議通過後實施，修正時亦同。

Article 7 This rules will be implemented after being approved by the department committee, and it will be the same when amended.

附件：考試科目

Appendix : The test subjects

- 一、 高等電子學
  - 二、 高等電磁學
  - 三、 高等工程數學
  - 四、 光學
  - 五、 材料導論
  - 六、 半導體元件物理
  - 七、 近代物理
  - 八、 光電子學
  - 九、 本系博碩士班開設(含合開課程)之專業選修課程(除上述選考科目外) → 擇二選考
- 八選一考
1. Advanced Electronics.
  2. Advanced Electromagnetism
  3. Advanced Engineering Mathematics
  4. Optics
  5. Introduction to Materials
  6. Physics of Semiconductor Devices
  7. Modern Physics
  8. Optoelectronics
  9. Professional elective courses offered by the department's doctoral and master classes (including co-open courses) (in addition to the above-mentioned elective subjects) → Select two of the subjects
- Select one of the eight subjects