

國立成功大學光電科學與工程學系博士班修讀辦法

Policies and Rules for the PhD Program in the Department of Photonics, NCKU

20211125 Revision

一、入學資格 Admission Qualification

- 1.經本校各類管道就讀者，以下簡稱一般生；

Enrollment through various channels from the school, referred to “the general PhD students” in the following.

- 2.依相關「逕行修讀博士學位作業規定」就讀者，以下簡稱逕讀生。

Enrollment through the Direct Admission to Ph.D. Programs, referred to “the direct PhD students” in the following.

二、修業年限 Years of Study

- 1.一般生修業年限為二年至七年，逕讀生為三年至七年；

The term of study for all the general PhD students is between 2 to 7 years. The term of study for the direct PhD students is between 3 to 7 years.

- 2.其他得以延長修業年限者依校方規定申請。

The application for the extension of the years of study has to follow the regulations of NCKU.

三、修讀課程及學分 Courses Taking and Credits

- 1.畢業學分 Graduation credits (Thesis excluded credits for 8)

(1)一般生：除「學位論文」外，必須修滿本系認可之博士班課程，共 22 學分；

The general PhD students are requested to complete 22 credits.

(2)逕讀生：除「學位論文」外，至少修滿本系認可之研究所課程，共 40 學分。

The direct PhD students are requested to complete 40 credits.

- 2.必修課程 Required Courses

(1)一般生：專題討論(一)(二)(三)(四)共 4 學分；

The general PhD students: Four credits of SEMINAR (1)(2)(3)(4).

(2)逕讀生：碩士班必修 6 學分+博士班專題討論 4 學分，共 10 學分。

The direct PhD students: 10 credits, including 6 credits of required courses for master program and 4 credits of required courses for PhD program.

- 3.選修課程 Elective Courses

(1)逕讀生必須選修光電實驗 1 學分且及格。

The term of study for the direct PhD students must select the elective subject “Optoelectronics Experiments” (1 credit) and pass the course.

(2) 學士班、碩士班、博士班不得重覆修課；

Repeat of bachelor, master and PhD classes is not allowed.

(3) 外所選課：一般生最多承認 3 學分，逕讀生可承認 6 學分；

Courses from other institutes: only 3 credits are acceptable, while 6 credits for the direct PhD students.

(4) 選修同一老師之課程不得超過 10 學分，其中專題類選修最多承認 4 學分。

Courses instructed by the same teacher cannot exceed 10 credits, of which thematic category electives only recognize up to 4 credits.

4. 抵免學分 Course Credit Waiver

(1) 必須為碩博或博士班課程，且不計算在學士班或碩士班畢業之最低學分數之內。

Must be a graduate course, which will not be counted in the minimum academic score for bachelor or master degree.

(2) 必修課程(專題討論)及外所選課不得抵免，轉所生除外。

Required courses and courses from other department cannot be used for waiver. The students transferred from other institute is not included.

(3) 學分抵免 Credits waiver

a) 一般生：最多 6 學分；

For the general PhD students: 6 credits the maximum.

b) 逕讀生：最多 36 學分；

For the direct PhD students: 36 credits the maximum.

c) 重新入學：以應修畢業學分數之二分之一為限；

For re-enrollment: 11 credits the maximum.

(4) 外校系學生，須至原就讀校系證明抵免之科目為碩博或博士班課程；

For students from other universities, the proof of the subject as the graduate program has to be provided.

(5) 欲抵免科目之授課內容需經審查認可，方可申請抵免。

The content of the course which is planned to be credited will be reviewed. The application of course taking waiver will be valid after approval.

四、資格考試 Qualification examination

入學後即可申請參加資格考試，資格考試另由本系「博士班資格考試實施細則」規定。

The PhD students can apply for the qualification examination after enrollment. The qualification examination is stipulated by the Department's "Regulations for PhD student qualification".

五、論文指導 Thesis guidance

研究生入學後 1 學期內，必須找到論文指導教授(名額依當年度之規定)，由指導教授負責其學業與研究之指導；若未能找到論文指導教授時，學生應向系主任尋求協助。

Within one semester of enrollment, graduates must find an advisor who will be responsible for the guidance of their studies and researches; if not, the student should seek assistance from the department chair.

六、論文內容及品質 Thesis content and quality

(一)畢業論文 dissertation

- 1.博士論文必須是博士班研究生在其論文指導教授指導下所完成之原創性研究工作，並經嚴謹而且有系統之整理。

The PhD thesis must be the original research work done by the PhD students under the supervision of his/her advisor, which is rigorously and systematically organized.

- 2.研究成果由指導教授(或計畫主持人)及參與學生所共享，學生更換指導教授後，原研究成果，未徵得原指導教授同意，不應納入學位論文中或自行發表。

The research results are credited by the advisor (or project investigator) and the students who are involved. If the advisor is changed, research results should not be included in the dissertation or published without the previous advisor's approval.

(二)論文發表 Paper publication :

不計用於抵免資格考，至少發表二篇於 SCIE (Scientific Citation Index Expanded) 或 SSCI 之論文，且

At least two papers published in SCIE (Scientific Citation Index Expanded) or SSCI journals (excluded from the published papers that used for qualifying examination waiver), and

- 1.除指導教授、共同指導教授外為第一作者，隸屬單位(affiliation)唯一只列 Department of Photonics，但若於論文發表前，學生身份有下列情形時可增(共)列隸屬單位(affiliation)，

Except for the advisor and co-advisor, the PhD student must be the first author with a single affiliation "Department of Photonics". More affiliations can be added if the status has the following circumstances before the publication of the paper,

- (a)與系級以上簽有正式合作備忘錄或意向書等單位合作，並有支領對方經費；

The newly added affiliation/party signed a formal memorandum of cooperation or letter of intent with the Department of Photonics or College of Science of NCKU, and the student is salaried by the party.

- (b)與簽准共同指導教授之單位合作，並有支領對方經費；

The co-advisor works in the newly added affiliation/party that signed a formal memorandum of cooperation or letter of intent with the Department of Photonics or College of Science of NCKU, and the student is salaried by the party.

(c)以在職生身份入學者，可共列其工作單位；

Those who enroll as part-time students can list their workplace as the second affiliation.

(d)有支領校內各級單位、中心之經費者。

Those who are salaried by the funds of NCKU units or centers at all levels.

2.通訊作者必須為指導教授，且列本系為服務單位(affiliation)之一。

The corresponding author must be the advisor, and the Department of Photonics is listed as one of the affiliations.

3.發表在無明顯標示通訊作者之期刊時，需附證明其指導教授為通訊作者。

When the paper is published in a journal that does not clearly indicate the corresponding author, a certificate that proves the supervisor is the corresponding author is required.

4.至少需有 1 篇論文除指導教授、共同指導教授外為單一第一作者，其他論文有多人相同貢獻第一作者時，則貢獻權重均分之。

At least published one paper as the single first author (except for the advisor and co-advisor). If there are multiple first authors (with the same contribution) in the papers, the contribution will be divided equally.

七、學位考試 PhD degree examinations

(一) 申請學位考試需具下列條件

The following conditions have to be satisfied while application

1.通過資格考。

Pass the qualification examination.

2.修足本所規定之畢業學分，詳見第三條。

Obtain essential graduation credits.

3.論文內容與篇數達到第六條規定。

The content and number of published papers meet the 6th (above) article.

4.線上論文比對系統之比對結果報告一份，經指導教授簽名同意。

An originality report should be attached, which should be signed and approved by the advisor.

5.論文口試前需公開演講，應於系內所開授之專題演講時段進行，若因修業年限屆臨(第 14 學期)需自行舉行時，經系主任(或學術委員會)同意後，公告演講資訊，且演講時全程錄影(含演講內容、演講者、聽觀眾)，檔案將公開提供閱覽；若錄影檔無法清楚辨識，則該次演講無效。

A public speech is required before the oral defense, which should be given in the seminar lecture of the Department of Photonics during the semester. The public speech can be held outside the seminar lecture due to the approach of the 14th semester, which must be approved by either the Chairman or the Academic Committee of the department. The

speech information will be announced with the Chairman's (or the Academic Committee's) approval. The public speech will be recorded (including the speech content, speakers, and audience), and the archives will be publicly available for viewing. The speech is invalid if the video cannot be clearly identified.

6. 提出博士學位候選人學位考試〔審查會議記錄表〕及上述相關附件，若有未盡事宜，交由學術委員會審議，審查通過才可進行學位考試之申請。

Apply for the degree examination for doctoral candidates [review meeting minutes] and the abovementioned related attachments. If there is anything unclear, the application for degree examination can only be implemented with the approval of the Academic Committee.

- (二) 學位考試：依「國立成功大學研究生學位考試細則」之規定辦理。

Degree Examination will be processed according to the "National Cheng Kung University Enforcement Rules for Graduate Examinations".

1. 學位考試委員會置委員五人至九人，其中校外委員須三分之一以上，指導教授不得擔任召集人，委員資格如下之一：

The degree examination committee council consists of 5 to 9 members, of which more than one-third has to be the external committee members. The thesis advisor is not allowed to serve as the convener. The requirements for the committee members are listed as follows:

- (1) 曾任副教授以上、或中央研究院副研究員以上者；

The committee who has been served as associate professor in colleges, or assistant research fellow in Academia Sinica or above.

- (2) 獲有博士學位、或擔任助理教授、助研究員，在學術上著有成就者(需附簡歷)，需經本系之學位考試審查委員會通過。

If holding PhD degree or assistant professorship (including equivalent position) and showing outstanding performance in academia, the candidate can be qualified under evaluation of the committee of the year.

2. 學位考試成績，以一百分為滿分，七十分為及格，評定以一次為限，並以出席委員評定分數平均決定之，惟須逾出席委員三分之二以上評定為及格者方為及格；學位考試成績不及格，而其修業年限尚未屆滿者，得於次學期或次學年申請重考，重考以一次為限；如未能於該學期完成應修課程者，其學位考試成績不予採認，亦不計入學位考試之次數。

Regarding the graduation examination scores, a score of 100 shall be identified as a full mark and a score of above 70 as passing. The evaluation shall be conducted no more than once and decided by the average scores given by the present committee members, provided that the decision about passing shall be subject to two-thirds or more of the present committee members.

Students who fail the examination may be able to re-take the examination in the next semester or next year prior to the expiration of their study periods, no more than once, and shall be expelled from the program if failing the second degree examination.

The students who fail to complete the required program in the current semester, the degree examination will not be officially adopted.

(三) 學位證書授予日期以繳交論文之日期為準。

The date of the degree certificate is subject to the date of submission of the essay.

八、本辦法經系務會議通過後實施，修改時亦同。

These policies and rules shall be implemented after the passage of the departmental meeting, and the same shall apply to the revision.

PS：英文版字義上若有所質疑，依中文版解釋。

English version is provided for international students. If there is any question, please contact to the Department Office.