

國立陽明交通大學光電學院博士班修業規章
National Yang Ming Chiao Tung University
Graduate Program of College of Photonics Doctoral Degree Regulations

2021.03.29 109學年度第5次光電學院教學及課程委員會修正通過
Revised and approved on March 29, 2021 by the 5th College of Photonics Teaching and Curriculum Committee Meeting of Academic Year 2020.

2021.04.12 109學年度第5次光電學院院務會議修正通過
Revised and approved on April 12, 2021 by the 5th College Affairs Meeting of the College of Photonics of Academic Year 2020.

第一條 國立陽明交通大學光電學院(以下簡稱本院)為規範博士班研究生修業事項，依據「國立陽明交通大學研究生學位授予作業規章」以及相關規定，訂定本規章。

Article I The National Yang Ming Chiao Tung University College of Photonics (hereinafter referred to as the College) has formulated the Regulations in accordance with the National Yang Ming Chiao Tung University Graduate Student Degree Conferral Regulations and relevant regulations to govern the studies of doctoral program students.

第二條 入學資格：

Article II Admissions qualifications:

一、凡在公立或已立案之私立大學或獨立學院或教育部認可之國外大學畢業獲有理工相關領域之碩士學位，或具有同等學力，得報考經錄取後進入光電學院博士班(以下簡稱本班)修讀博士學位。

1. Those who have graduated with a master's degree in science and engineering related fields or equivalent from a public or registered private university or independent college or a foreign university recognized by the Ministry of Education may apply for doctoral study in the Graduate Program of College of Photonics (hereinafter referred to as the Program) upon acceptance.

二、欲申請逕修讀博士學位之學生，依本班公告之期程辦理申請，並經本班審核通過者。

2. Students who wish to apply for direct admission to doctoral programs shall submit their application according to the schedule announced by the Program for review and approval by the program.

三、欲轉入本班之學生，依相關轉系所規定辦理申請，並經本班審核通過者。

3. Students wishing to transfer to this Program shall submit their application in accordance with the relevant department transfer regulations for review and approval.

第三條 修業年限：

Article III Duration of study:

一、一般生修業年限以二至七年為限，在職生修業年限以二至九年為限。

1. The duration of study for full-time student is two to seven years; the duration of part-time student is two to nine years.

二、逕博生修業年限自修讀博士學位起算。

2. The duration of study for direct admissions doctoral students shall be calculated from the date of starting the doctoral program.

第四條 學分規定：

Article IV Credit requirements:

一、畢業學分數規定如下：

1. The required graduation credits are as follows:

(一) 博士生畢業前應修滿理工類課程十二學分(含本班專業課程至少九學分)，應修科目另表訂定。

(1) To graduate, doctoral students shall complete 12 credits of science and engineering courses (including at least 9 credits of professional courses in this Program). The required courses are separately specified.

(二) 逕博生畢業前應修滿三十學分(含碩士班已修的學分且本班專業課程至少二十四學分)。

(2) To graduate, direct admissions doctoral students shall complete 30 credits (including credits from courses taken in master's programs and at least 24 credits of professional courses taken in this Program).

(三) 個別研討、書報討論及專題演講均不計入畢業學分數。

(3) Independent study, seminar and colloquium shall not be counted as the graduation credits.

二、選修他院或他校之科目，須經單位主管核准。博士生至外校選修本院已有開設之課程，該課程不得計入畢業學分。

2. Elective courses from other colleges or schools must be approved by the unit supervisor. If doctoral students take courses outside the University that are already offered by the College, the courses shall not counted as the graduation credits.

三、除規定之必修科目及不及格科目重修外，重覆選修之科目不計入畢業學分數。

3. In addition to re-takes of required courses and failed courses, credits from the re-take of elective courses shall not be counted as graduation credits.

四、計入畢業學分之科目，由本院教學及課程委員會認定之。

4. Courses that counted as graduation credits shall be determined by the Teaching and Curriculum Committee of the College.

第五條 學分抵免：

Article V Credit transfer and waiver:

一、博士生入學前先在本班修讀學分後入學者，所修之科目與學分符合研究所及格標準，且未列入該生取得學、碩士學位之畢業學分者，可依相關規定申請抵免。

1. Credits earned by doctoral students from this Program prior to admissions and that meet the course and credit qualification requirements of the graduate institute, and that have not been included into the bachelor's or master's graduation credits of the student, may be used to apply for credit transfer and waiver in accordance with relevant regulations.

二、抵免之學分總數不得超過六學分，並以入學之前五年內所修習之課程為限。

2. The total number of transfer and waiver credits shall not exceed 6 credits, and shall be limited to only courses taken within the five years prior to enrollment.

三、學分抵免由本院教學及課程委員會審定之。

3. Credit transfer and waiver shall be reviewed and determined by the Teaching and Curriculum Committee of the College.

第六條 指導教授：

Article VI Advisors:

一、博士生應在入學後第一學期內選定論文指導教授，並檢具指導教授同意書；未

能於期限內確認指導教授者，由教學及課程委員會處理。

1. Doctoral students shall select their dissertation advisor in the first semester after enrollment, and submit a consent form from the advisor. Those who fail to confirm their advisor within the deadline shall be handled accordingly by the Teaching and Curriculum Committee.
- 二、博士生可選擇院外教師或專家學者為共同指導教授，惟須提出書面申請，並經單位主管核准，且仍須有本院教師擔任指導教授。
2. Doctoral students may choose teachers, experts or scholars from outside the University to be their co-advisor. To do so, they shall submit a written application and obtain approval from their unit director. However, a professor from the College shall remain their advisor.
- 三、擔任共同指導教授之院外教師或專家學者，若非大專院校助理教授（含）以上之教師，需將其資料送本院教評會審查資格。
3. To select co-advising teachers, experts or scholars from outside the University who are not assistant professors or above in colleges and universities, their information shall be submitted to the Teacher Evaluation Committee of the College for qualifications review.
- 四、博士生在修業期間如欲終止論文指導關係或更換論文指導教授，應依本班規定之程序提出書面申請，經單位主管核准後生效。
4. Doctoral students who wish to terminate the dissertation advisor relationship or change their dissertation advisor during the course of their studies shall submit a written application in accordance with the procedures stipulated by the Program. The application shall be effective upon approval by the unit director.
- 五、研究生在原指導教授提供原始構想或概念及受指導下所獲得之研究成果，須依本班規定之程序經原指導教授書面同意，始得作為學位論文。
5. The research results obtained by graduate students from the original idea or concept provided by the original advisor and under the guidance of the original advisor may be used in their dissertation only upon written approval by the original advisor in accordance with the regulations of the Program.
- 六、如博士生已通過博士論文計畫考試後更換指導教授，須於更換指導教授一年內再通過博士論文計畫考試，如未通過者須於三個月內重考。重考時，除必須聘請原來的口試委員出席參加外，另由單位主管指定增聘兩位口試委員共同參加，重考以一次為限。
6. Doctoral students who change their advisor after passing their doctoral dissertation proposal examination shall re-take the doctoral dissertation proposal examination again within one year of replacing their dissertation advisor, and those who fail the examination shall re-take the examination within three months. In addition to appointing the original oral examination committee, the unit director shall also appoint an additional two oral examination committee members to jointly participate in the examination. Students shall be allowed only one re-test.

第七條 博士學位候選人資格考核：

Article VII Doctoral degree candidacy qualification assessment:

博士生通過下列兩項考核者，方得成為博士學位候選人：

To qualify for doctoral degree candidacy, doctoral student shall pass the following two assessments:

一、資格考試：

1. Qualification examination:

- (一) 博士生須於入學後二年內（不含休學期間）通過資格考試。
 - (1) Doctoral students shall pass the qualification examination within two years after enrollment (excluding the period of leave of absence from school).
- (二) 資格考試於每學期結束前舉行，學生獲指導教授同意後，始得以報考。
 - (2) The qualification examination shall be held before the end of each semester, and students may apply for the examination only upon the approval of their advisor.
- (三) 資格考試科目另訂列表，博士生應選定其中兩科，未通過科目應重考，每一科目限報考兩次。
 - (3) The subjects for the qualification examination shall be separately listed. Doctoral students shall select two of the subjects, and those who fail the subjects may re-take the examination. Students shall be limited to two re-test per subject.
- (四) 與資格考試科目相同課程之成績達班上前百分之三十以內者，得以申請抵免資格考試，並由本院教學及課程委員會審定之。
 - (4) Those who scored within the top 30% of their class in the same subject as the qualification examination subject may apply to waive the qualification examination. The application shall be reviewed by the Teaching and Curriculum Committee of the College.
- (五) 資格考於兩年內通過一科者，可採條件通過：畢業論文需增加SCI期刊排名前40%之學術期刊第一作者一篇。
 - (5) Those who have passed one subject within two years of the qualification examination may adopt conditional qualification: In addition to their dissertations, they shall publish one paper as the first author in a top 40% SCI academic journals.

二、論文計畫考試：

2. Dissertation proposal examination:

- (一) 博士班學生應於通過資格考試後一年內（不含休學期間）通過論文計畫考試。
 - (1) Doctoral students shall pass the dissertation proposal examination within one year of passing the qualification examination (excluding the period of leave of absence from school).
- (二) 申請考試應提出書面之論文研究計畫，由指導教授向單位主管推薦聘請校內（外）至少學者兩人，為論文計畫考試委員，學者資格同學位考試委員資格。
 - (2) Applicants for the examination shall submit a written dissertation research proposal. The advisor shall recommend to the unit director at least two scholars from within or outside the University to serve as dissertation proposal examination committee members. The qualifications of the scholars shall be the

same as for degree examination committee members.

- (三) 考試以審查論文研究計畫書及口試方式舉行，口試時間，地點及講題應事前公佈，以出席委員無記名投票評定，出席委員過半數同意為通過，投票以一次為限。
- (3) The examination shall be a review of the dissertation research proposal and an oral examination. The time, location and topic of the oral examination shall be announced in advance, and the assessment shall be made anonymously by members of the committee present at the examination. More than one-half of the committee members present must approve in order to pass the test, and votes shall only be taken once.
- (四) 論文計畫考試不及格者須於三個月內重考。重考時，除必須聘請原來的口試委員出席參加外，另由單位主管指定增聘兩位口試委員共同參加。重考以一次為限。
- (4) Those who fail the dissertation proposal examination shall re-take the examination within three months. For the re-test, in addition to appointing the original oral examination committee, the unit director shall also appoint an additional two oral examination committee members to jointly participate in the examination. Students shall be allowed only one re-test.

第八條 論文發表：

Article VIII Paper publication:

- 一、博士學位候選人申請博士學位考試前，必須在其領域SCI期刊排名前40%之學術期刊上(在其修業期間選擇最有利者)，發表至少兩篇第一作者(指導及共同指導教授除外)論文(含被接受尚未刊出的論文)。
1. Before applying for the doctoral degree exam, doctoral candidates shall publish at least two papers in their field as first author (excluding the advisor and co-advisor). The papers (including accepted papers that have not yet been published) shall be published in top 40% SCI academic journals (choose papers that are most favorable to them during their study period)
- 二、發表的論文內容應與其博士論文相關，指導及共同指導教授須為共同作者，且應註明作者屬於國立陽明交通大學光電學院College of Photonics, National Yang Ming Chiao Tung University。
2. The content of the published papers shall be related to the doctoral dissertation, and the advisor and co-advisors shall be the co-authors. The papers shall be published under the College of Photonics, National Yang Ming Chiao Tung University.
- 三、前述兩篇論文，其中一篇得以下列兩篇(件)抵算，惟上述其他條件仍適用並須滿足：
3. Of the aforementioned two papers, one paper may be counted as two papers (pieces) under the following conditions; however, the other abovementioned conditions shall still apply:
- (一) 其領域SCI排名前40%之期刊第二作者的期刊論文。
- (1) A journal article in a top 40% SCI journals in the field of the student in which the student is the second author.

(二) 歐美日等國家第一作者的發明專利。

(2) An invention patent in Europe, America, Japan or other countries in which the student is the first author.

(三) 其領域SCI期刊排名前40%以外的第一作者期刊論文。

(3) A journal article published in a non top 40% SCI journal in the field of the student's study in which the student is the first author.

四、曾在本博士班修業因故輟學者，若重新考入本博士班，並更換指導教授，原發表論文不計入畢業論文數。

4. For those who have dropped out of the doctoral Program for some reason and re-tested into the doctoral Program, and who have changed their advisor, their original published papers shall not count towards the required number of papers for graduation.

第九條 學位考試：

Article XI Degree examination:

一、博士學位候選人在規定年限內完成規定之應修課程，學分數及論文發表篇數等其他考核(如:學術倫理測驗、性別平等教育、論文原創性比對...等)都達到畢業要求後，經指導教授同意，方得申請博士學位考試；申請學位考試須檢附之文件另表訂定。

1. Doctoral candidates who have completed the required courses within the specified number of years and who meet other graduation requirements such as the number of credits, the number of papers published and other assessments (such as academic ethics test, gender equality education, Turnitin report, etc.) may apply for the doctoral degree examination only upon approval by their advisor. The required documents for the degree examination application shall be separately formulated.

二、博士生申請學位考試至遲需於考試日前二十個工作天提出申請，經核准後方得舉行。

2. Application for the doctoral degree examination shall be submitted at least 20 working days before the examination date, and the examination may proceed only upon approval.

三、學位考試委員會由五至九名委員組成，由單位主管推薦校內外專家學者中對該博士學位候選人之研究領域有專門研究者，提請校長遴聘之，校內外委員均各須佔三分之一(含)以上。

3. The degree examination committee shall comprise five to nine members. The unit director shall recommend experts and scholars from inside and outside the University whose research specialty is in the research field of the doctoral degree candidate to the University President for appointment. Committee members from inside and outside the University shall each comprise one-third or more of the committee.

四、學位考試委員須具備下列的資格之一：

4. The degree examination committee members shall have one of the following qualifications:

(一) 現任或曾任教授、副教授。

(1) Current or former professor or associate professor.

(二) 中央研究院院士、現任或曾任中央研究院研究員、副研究員。

(2) Academician of the Academia Sinica, current or former Research Fellow or Associate Research Fellow of the Academia Sinica.

(三) 獲有博士學位，且在學術上著有成就。

(3) Have had a doctoral degree and demonstrated academic achievements.

(四) 研究領域屬於稀少性或特殊性學科，且在學術或專業上著有成就。

(4) Have demonstrated academic or professional achievements in a rare or special research field.

前項第三款至第四款之認定基準，由院教評會議認定之。

The determination of the criteria in the aforementioned subparagraphs 3 to 4 of the preceding paragraph shall be determined by the College Teacher Evaluation Committee Meeting.

五、博士生之配偶或三親等內之血親、姻親，不得擔任其博士學位考試委員。

5. The doctoral student's spouse, relatives within the 3rd degree of kinship or relatives by marriage shall not be a member of his or her doctoral degree examination committee.

六、學位考試成績以B-為及格，A+為滿分，並以出席委員無記名評定分數之平均值決定之。出席委員有三分之一以上委員評定不及格者，學位考試成績以不及格論，不予平均。

6. The passing grade for the degree examination is B-, and the full score is A+. The grade shall be based on the average of the anonymous scores given by the attending committee members. If more than one-third of the attending members give a failing score, the degree examination result shall be regarded as a fail, and the scores shall not be averaged.

七、學位考試成績不及格而其修業年限未屆滿者，得重考一次。

7. Those who fail the degree examination and their study duration has not expired may have one re-take examination.

第十條 畢業離校：

Article X Graduation and leave the school:

博士生通過學位考試後，應於規定期限內完成以下事項，學籍方為畢業：

After passing their degree examination, doctoral students shall complete the following matters within the deadline in order to be considered graduated:

一、於考試當學期繳交「學位考試成績資料表」由本班送交註冊組登錄。

1. Submit the "NYCU Thesis Defense Grading Sheet" in the semester of the exam. The Program shall deliver it to the Division of Registrar for registration.

二、依相關規定將論文摘要及全文電子檔上網建檔，並經圖書館審核通過。

2. File the abstract and full text of the dissertation online in accordance with relevant regulations for review and approval by the library.

三、繳交三冊經審核通過之紙本論文。(一冊本校圖書館陳列，一冊由國家圖書館收藏，一冊由本單位留存)

3. Submit three paper volumes of the approved dissertation. (One volume shall be shelved in the University Library, one volume shall be archived by the National Central Library, and one volume shall be kept by this unit).

四、學位論文紙本之繳交期限為舉行學位考試日的次學期開學前最後一個工作日，逾期未交論文紙本且未達修業年限者，次學期仍應註冊。

4. The deadline for submitting the paper copies of the dissertation is the last working day before the beginning of the next semester in which the degree examination was taken. Those who fail to submit the paper copies of their dissertation by the deadline and whose study duration has not yet expired shall still register for the next semester.

五、修業年限屆滿者，未於年限屆滿當學期繳交學位考試成績資料表或未於次學期開學前最後一個工作日前繳交紙本論文，應予退學。

5. Those whose study duration has expired and who failed to submit their Degree Examination Result Form in the current semester before their duration expired, or who failed to submit the paper copies of their dissertation by the last working day before the beginning of the next semester shall be withdrawn from school.

第十一條 其他規定：

Article XI Other provisions

一、博士生未能於期限內通過資格考試、論文計畫考試者，應予退學。

1. Doctoral students who fail to pass the qualification examination and dissertation proposal examination within the respective deadlines shall be withdrawn from school.

二、逕博生未能通過資格考試或論文計畫考試者得申請轉回碩士班就讀。

2. Direct admissions doctoral students who fail to pass the qualification examination and dissertation proposal examination may apply for transfer back to their master's program.

三、博士生因故輟學兩年內或修業年限屆滿遭退學重新入學者，其修課、資格考試、論文計畫考試等相關規定如下：

3. For doctoral students who have dropped out of school for less than two years or who re-enrolled after being withdrawn from school after their study duration expired, the relevant regulations for courses, qualification examinations and dissertation proposal examinations are as follows:

(一) 在原博士修業期間內所修學分可申請抵免，以抵免十二學分為上限；成績優異者並得縮短修業年限。

(1) Up to 12 credits of the credits earned during the original doctoral study period may be transferred and waived. Those with excellent grades may also shorten their study duration.

(二) 在原博士修業期間內通過的資格考試得申請保留，惟通過資格考試之有效期限為十年。

(2) Students may apply to retain their qualification examination passed during their original doctoral studies. However, the validity period of the passed qualification examination is ten years.

(三) 在原修業期間內通過的論文計畫考試得申請保留。

(3) Students may apply to retain their dissertation proposal examination passed during their original doctoral studies.

(四) 在原博士修業期間三年內所發表論文可於重新入學後合併計算。

(4) Papers published within three years of the original doctoral study period may be included into the calculation after re-enrollment.

四、博士生在修業期間若自認有受到不公平的待遇時，得以書面方式向本院提出訴願。本院應就訴願內容在三十天內完成調查並做合理解決。

4. Doctoral students who believe that they have been unfairly or unreasonably treated during their studies may file a written complaint with the College. The College shall complete investigation and reasonable resolution of the content of the complaint within 30 days of receiving the complaint.

第十二條 本規章未盡事宜，悉依本校有關規定辦理。

Article XII Matters not addressed in the Regulations shall be handled in accordance with the relevant regulations of the University.

第十三條 本規章經本院教學與課程委員會通過與院務會議審議，送校級課程委員會審查，再送教務會議核備後實施，修正時亦同。

Article XIII The Regulations are implemented upon review and approval by the College Teaching and Curriculum Committee, the College Affairs Meeting, the University Curriculum Committee Meeting, and the Academic Affairs Meeting; the same shall apply to amendments.

(本規章有中英文兩個版本，在有疑義的情況下以中文版為準。The Regulations were drawn up in Chinese and translated into English. In the event of any discrepancy between the two versions, the original Chinese version shall prevail.)