

博士班論文口試流程圖

Doctoral Thesis Final Defense Flow Chart

提出指導教授申請

Apply for Advisor

最遲須於入學第一學年第二學期開學後第一週前提出指導教授申請。Must apply for an advisor within one week of the second semester of the first academic year.

課程基本能力考核

Basic Course Competency Exam

實際必修科目請依照個人入學當年度之修業規章。For required courses, please refer to program requirements for the year of admission.⁹

考核標準：A-(百分制 80 分)。Passing grade is A- (80 points).

熱流組：「黏性流體力學」或「熱對流」擇一科目必修。「黏性流體力學」、「熱對流」、「熱傳導與熱輻射」、「紊流導論」、「計算流體力學」、「燃燒學概論」、「流體力學實驗方法」任擇三科選修。但已擇抵為必修科目者，不得再列為選修科目，及非本組教師開授研究所專業課程至少一門。

Heat and Transfer Group: (A) One compulsory course must be chosen from "Viscous Fluid Flow" or "Heat Convection". (B) Choose three of the following seven elective courses: Viscous Fluid Flow, Heat Convection, Heat Conduction and Radiation, Int. to Turbulent Flow, Computational Fluid Dynamics, Combustion Fundamentals, Experimental Methods in Fluid Mechanics. The course chosen as the compulsory course cannot be listed as an elective. (C) Choose at least one graduate professional course offered by instructors outside the group.

固控組：「彈性力學」、「有限元素法」等二科必修加上「高等動力學」、「有限元素法之進階應用」、「仿生軟機器人學」、「複合材料力學」四擇一。或「線性系統」、「高等動力學」、「數位控制系統」、「多變數回授系統之分析與設計」、「非線性控制系統」五選三科必修，及非本組教師開授研究所專業課程至少一門。

Solid Mechanics and Control Group: (A) All two courses- Elasticity, and Finite Element Method are required and choose one from Advanced Dynamics, Advanced Finite Element Method, Bioinspired soft robotics, Mechanics of Composite Materials, or choose three courses from- Linear Systems Theory, Advanced Dynamics and Digital Control System, Analysis and Design of Multivariable, Nonlinear Control System. (B) Choose at least one graduate professional course offered by instructors outside the group.

設製組：「最佳設計」、「應用生物力學」、「應用塑性力學」、「工程流變學」、「機電系統設計與實務」、「人體神經力學」、「微機電製程實驗」、「智慧型材料與奈微米元件」、「雷射精密加工與應用」、「微流體系統與應用」、「合金製作原理與應用」等科目中至少選三門，及非本組教師開授研究所專業課程至少一門。

Design and Fabrication Group: (A) Choose at least three of the following courses: Optimum Designs, Occupational Biomechanics, Applied Plastic Mechanics, Engineering Rheology, Mechatronics Design and Practice, Human Neuromechanics, Micro Fabrication Laboratory, Smart Materials and Intelligent Nano/Micro Devices, Laser Precision Microfabrication and Application, Microfluidic System and Applications, Formation Principle and Applications of Alloys. (B) Choose at least one graduate professional course offered by instructors outside the group.

微奈米組：「微奈米工程導論」必修，「微機電製程實驗」、「智慧型材料與奈微米元件」、「生物感測器」、「微流體系統與應用」、「複合材料力學」、「醫用電離氣處理與數據分析」等科目至少選二門。

Micro/Nano Group: "Introduction to Micro/Nano Engineering" is a required course. Among the courses of "Micro Fabrication Laboratory," "Smart Materials and Intelligent Nano/Micro Devices," "Biosensors," "Microfluidic System and Applications," "Mechanics of Composite Materials," and "Medical Ionized Gas and Data Analysis" at least two courses must be selected.

太空系統工程組：「系統工程導論」、「太空任務與系統設計」二科目必修。除上述必修科目外，太空系統工程研究所開授之專業課程至少二門，及非太空系統工程研究所開授之本系研究所專業課程至少二門。

Space Systems Engineering Group: (A) All two courses- Fundamentals of Systems Engineering, and Designing Space Missions and Systems are required. (B) In addition to the required courses mentioned above, choose at least two graduate professional courses offered by the Institute of Space Systems Engineering. (C) Choose at least two graduate professional courses offered by instructors outside the Institute of Space Systems Engineering.

論文計畫書口試、書報討論報告

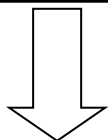
Thesis Proposal Oral Defense,
Seminar Presentation

論文計畫書口試日期：提出論文口試之至少 8 個月前組成第一次委員會議，同時由學生提出論文計畫書。通過論文計畫書口試者可優先安排於書報討論報告(須填寫書報討論報告證明)。Date of Thesis Proposal Oral Defense: Organize the first committee meeting at least 8 months before applying for final defense. At the same time, the student must submit a thesis proposal. Those who pass the thesis proposal oral defense are given priority in scheduling their Seminar presentation (must fill out the Seminar Proof of Presentation form).

博士學位候選人資格考核

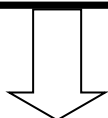
Doctoral Degree Candidate Eligibility Exam

發表論文 Paper Publication



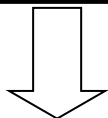
發表論文之篇數，須符合個人**入學當年度**修業規章之規定，以醫學士資格報名入學者另有規定。The number of publications must fulfill the program requirements of the year of admission. Those admitted on Bachelor of Medicine qualification have different requirements.

論文公開演講 Public Oral Presentation



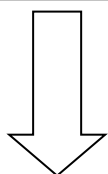
由指導教授負責辦理(即組內口試)，**提出論文計畫書後至少8個月**才可辦理。The candidate is required to give a public presentation of the thesis before graduation organized by the advisor (i.e. in-group oral defense) no earlier than 8 months after submitting thesis proposal.

系務會議審查 Department Faculty Review



填寫「系務會議審核推薦表」及備妥審查文件，於系務會議前提送系辦。Fill out the Department Faculty Review Recommendation Form and submit with other documents to the Department Office for review prior to the Department faculty meeting.

畢業論文口試 Graduation Thesis Final Defense



系務會議通過後，由指導教授代表學生於口試二週前向系辦提出論文口試申請。相關表格於口試後繳回系辦。Upon Department faculty meeting approval, the advisor will apply to the Department Office for thesis final defense two weeks before defense on behalf of the student. All relevant forms will be submitted to the Department Office after the final defense.

畢業離校 Graduation

- 1.正式論文請於口試結束後一個月內繳交，須含：**深藍色精裝本1本**、**綠色平裝本1本**，**全文光碟1份**。
- 2.填寫並繳交碩博班畢業生問卷調查表。
 - a. Within one month after the final defense, please turn in the official thesis, including: deep blue hardcover copy, 1 green paperback cover copy, and 1 full-text CD.
 - b. Fill out and submit the Masters and Doctoral Students Questionnaire Survey.

博士論文學位考試依下列程序施行之 Procedure for Doctoral Thesis Degree Exam :

一、博士候選人檢附完整的學分修讀記錄(即歷年成績單)、論文發表紙本資料、論文公開演講記錄、博士論文初稿、**書報討論報告證明**等向本系**王小姐**提出申請，由系務會議審核資格。

◎ 請附上論文清單(Publication List)，論文已被接受但尚未發表須附接受函。

1. To apply, the doctoral candidate must submit complete record of credits taken (i.e. transcripts), hard copy of publication information, records of open presentation of papers, initial draft of doctoral thesis and Seminar Proof of Presentation to Ms. Wang at the Department for review of eligibility by the Department faculty meeting.

◎ Please attach a Publication List. Please attach acceptance letter for papers that have been accepted but not yet published.

二、博士論文口試委員會由指導教授推薦校內及校外口試委員組成（含指導教授 5 名至 8 名，校內外委員均各須佔三分之一（含）以上），並延聘其中一位委員為召集人，但指導教授不得兼任召集人。

2. The doctoral thesis final defense committee comprises University and non-University members recommended by the advisor (with 5-8 members including the advisor and University members constituting one-third or more of the committee). One of the committee members will be appointed the convener, but the advisor is not permitted to serve as the convener.

三、由指導教授安排口試時間，並於口試二週前繳交「博士論文口試推薦書」紙本至本系王小姐，俾便上簽呈核發聘函予口試委員並準備相關資料。

◎ 將下列資料於口試前先準備好。(可至機械網頁→「招生暨修業規定」→博士班「論文口試畢業相關資訊取用」中下載。)

1. 論文口試委員會審定書（一份）。
2. 論文口試成績報告表（份數依口試委員人數而定）。
3. 學位考試成績資料表（一份）。

3. The advisor will schedule the final defense two weeks before the defense, submit a hard copy of the Doctoral Final Defense Recommendation to Ms. Wang at the Department so that letters of appointment can be signed and issued to the final defense committee and relevant materials prepared.

◎ The following information must be prepared before the final defense. (Go to the Mechanical Engineering webpage → Recruitment and Program Regulations → Download from the doctoral program Thesis Oral Defense Graduation Information.

1. Thesis Oral Defense Committee Member Review form (1 copy).
2. Thesis Oral Defense Grade Report Form (number of copies depends on the number of oral defense committee members).
3. Degree Exam Grade Information Form (1 copy).

四、口試進行，至少須有委員五人出席方得舉行。論文考試成績以七十分為及格，並以出席委員評定分數平均決定之。出席委員如有逾三分之一以上委員評定不及格者即以不及格論。口試成績報告表、學位考試成績資料表及論文口試費領據請於口試當天繳回系辦，審定書影本於論文修改完成後繳回。

◎ 口試試場內須準備：

1. 論文口試委員會審定書--- 1 份，所有口試委員須簽名，指導教授須於「口試委員」、「指導教授」兩欄簽名，再請系主任簽名。
2. 學位考試成績資料表--- 1 份，交給召集人填寫平均分數並簽名（召集人不得為指導教授）。
3. 論文口試成績報告表--- 每位口試委員 1 份。
4. 論文口試費領據--- 1 份，務請校外口試委員簽名確認

4. For the oral defense to proceed, at least 5 members of the committee must be present. The passing grade for the thesis exam is 70 points, and the grade is the average of scores given by the committee members present. If more than one-third of the committee members present give a failing grade, then the final score is a fail. On the day of oral defense, please submit the oral defense grade report, Degree Exam grade report form and Receipt of thesis oral defense fee to the Department Office. Submit a copy of the review report after the thesis has been corrected.

◎ Preparation for Oral Defense Venue: :

1. Thesis Oral Defense Committee Review Report --- 1 copy, to be signed by all the oral defense committee members. The advisor must sign on both the Oral Defense Committee and Advisor lines, followed by the signature of the Department Chair.
2. Degree Exam grade report form --- 1 copy, to be submitted to the convener to record the average score and sign (the advisor cannot be the convener).
3. Thesis oral defense grade report --- a copy for each of the oral defense committee member.
4. Receipt of thesis oral defense fee --- 1 copy. Ensure that off-campus oral defense committee members sign and validate it.

五、在規定修業期限內未能通過學位考試或未能完成應修課程者，即令退學。

5. Students who fail to pass the Degree Exam or complete course requirements within the required time to degree must drop out.

六、口試通過且論文修改完成後一個月內，請依本校圖書館規定辦理

(https://www.lib.nycu.edu.tw/custom_label?menu=64&lid=6)。待圖書館審核通過後始可送印論文紙本。

6. Within 1 month of passing the oral defense and completing thesis correction, please follow the instructions of "Uploading and Inquiry of Thesis"(https://www.lib.nycu.edu.tw/en/custom_label?menu=151&lid=37) in the library for uploading your thesis. Upon review and approval by the library, make hard copies of the thesis.

七、需於畢業離校系統啟動前，在圖書館論文上傳系統完成論文電子檔上傳及論文審核，系統會通知學生已完成審核後，再進行啟動畢業離校。請由單一入口進入至【畢業離校申請系統】辦理。學生請送論文各 1 本至圖書館及註冊組。

7. After uploading the thesis, Login the NYCU portal and "Graduation Procedures" complete the following procedures online. Student have to submit one copy to the library and another to the Registrar Division of the Office of Academic Affairs.

八、論文裝訂注意：「[博碩士論文全文電子檔著作權授權書](#)」、「[博碩士紙本論文著作權授權書](#)」、「[國家圖書館博碩士論文電子檔上網授權書](#)」(若有授權)、「[華藝數位授權書](#)」(若有授權)及「[口試委員審定書](#)」依序裝訂在書名頁之次五頁。

8. Thesis Binding: Following the title page, the next 5 pages must comprise the following, in respective order: Doctoral and Masters Thesis Author's Letter of Authorization for Full-text Digital File, Doctoral and Masters Thesis Author's Letter of Authorization for Hard Copy, National Library Doctoral and Masters Thesis Author's Letter of Authorization for Full-text Digital File, Authorization Letter to the National Library for Uploading Doctoral and Masters Thesis (if giving authorization), Airiti digital authorization (if authorizing) and Thesis Oral Defense Committee Review Report.

九、學位論文格式可至本校註冊組網頁或本系網頁中查詢。

9. Format requirement for degree thesis can be found in the University's Registrar Group webpage or the Department webpage.

※繳至本系之論文全文光碟，

光碟封面須含：請按下列格式製作並以光碟標籤印出貼上（光碟貼紙可至系辦領取）

- (1) 畢業學年度
- (2) 學生姓名及學號
- (3) 指導教授姓名
- (4) 論文名稱
- (5) 畢業年月；

光碟內容須含：

- (1) 論文全文原始檔
- (2) 論文全文 PDF 檔
- (3) 摘要原始檔
- (4) 摘要 PDF 檔
- (5) 論文口試委員已簽名之審定書（請掃描成圖檔）

※Full-text thesis CD submitted to the Department must fulfill the following requirements:

CD cover must: comply with the following format in making and printing the CD label (CD labels may be obtained from the Department Office):

- (1) Academic year of graduation
- (2) Student name and student number
- (3) Name of advisor
- (4) Title of thesis
- (5) Year and month of graduation

CD content must include:

- (1) Original file of full-text thesis
- (2) PDF file of full-text thesis
- (3) Original file of abstract
- (4) PDF file of abstract
- (5) Signed copy of the Thesis Oral Defense Committee Review Report (please scan as image file)

十、填寫並繳交本系碩博班畢業生問卷調查表。

10. Complete and submit the Department's Masters and Doctoral Graduate Questionnaire survey.

※ 8 月份及 2 月份舉行論文口試者，仍須在新學期註冊繳費，且畢業年度為新學期。

※Those taking their oral defense in August and February must register and pay for the new semester, and year of graduation will be the new semester.

※ 若中文與英文有不一致或衝突時，以中文為主。

※The Chinese version of the document shall prevail in case of any discrepancy or inconsistency between Chinese version and its English translation.

國立陽明交通大學 機械工程學系

National Yang Ming Chiao Tung University Department of Mechanical Engineering

Edit May, 2025