

# 長庚大學電機工程學系博士班研究生修業規定（111 學年度入學適用）

112/09/14 課程委員會會議修訂

- 一、 長庚大學電機工程學系博士班（以下簡稱本系博士班）依照「長庚大學學則」訂定本規則。

The regulations below are established by the Ph.D. Program in the Department of Electrical Engineering at Chang Gung University (hereinafter referred to as "the program") in accordance with the "University Regulations of Chang Gung University."

- 二、 博士班修業期限以二至七年為限，博士班在職進修研究生未修滿應修科目、畢業學分或未完成學位論文者，得申請延長四年。

The duration of study in the Ph.D. program is limited to two to seven years. For part-time research students who have not completed the required courses, graduation credits, or thesis, an extension of up to four years can be applied for.

### 三、課程及學分規定

1. 必修及選修科目依照入學年度本系博士班課程計畫表實施。
2. 「學報討論」於畢業前至少需修習四個學期並通過。
3. 選修科目須經指導教授同意，若未選定指導教授，則須經學術審查委員會召集人同意。
4. 除必修學分外(其中論文 6 學分於畢業論文口試通過後始予計算)，至少需選修 18 學分；碩士生逕行修讀博士學位者之碩博士班在學期間除必修學分外，共需修讀 30 學分，其中博士生期間至少 9 學分。

### Course and Credit Regulations

1. Mandatory and elective courses will be implemented based on the annual curriculum plan of the Ph.D. program
2. "Seminar Discussion" must be completed for a minimum of four semesters and passed before graduation
3. Selection of elective courses requires the approval of the supervising professor. If no supervising professor is selected, approval from the convener of the Academic Review Committee is required.
4. In addition to mandatory credits (where 6 credits for the thesis are counted after passing the thesis defense), a minimum of 18 elective credits is required. For students who directly enter the Ph.D. program after completing the master's degree, a total of 30 credits is required during the study period, with at least 9 credits during the Ph.D. phase.

### 四、研究生選擇指導教授規定

1. 博士生需於入學一年內選定論文指導教授並填具論文指導教授同意書(附件一)，其論文指導教授應由學術委員會召集人審核通過。修業期間因故需更換指導教授者，以一次為限，且需經過原指導教授及學術審查委員會召集人同意；更換指導教授時間需於每年二月底或八月底以書面向本所申請並填具長庚大學工學院研究生更換指導教授申請表(附件二)。
2. 若因特殊理由需選擇校外或本校其他系所人士指導，必須事先以書面申請並經學術審查委員會召集人審核通過，且須有一位本所內之共同指導教授。
3. 論文指導教授須具以下資格之一：
  - (1) 具教授或副教授職等。

(2) 具助理教授職等，並有優良研究成果，經工學院院教評會會議審查通過者。

#### Regulations for Selection of Thesis Supervisors for Graduate Students

1. Ph.D. students must select a thesis supervisor within the first year of enrollment and complete the "Approval Form for Thesis Supervisor" (Attachment 1). The thesis supervisor must be approved by the convener of the Academic Committee. Changing thesis supervisors is allowed only once during the study period and requires approval from the original thesis supervisor and the convener of the Academic Review Committee. Requests for changing supervisors must be submitted in writing to the institute by the end of February or August each year using the "Application Form for Changing Thesis Supervisor" (Attachment 2).
2. Selection of external or other departmental personnel as supervisors due to special reasons requires prior written application and approval from the convener of the Academic Review Committee. A co-supervisor within the institute is also required.
3. Thesis supervisors must possess one of the following qualifications: (1) Hold the rank of professor or associate professor. (2) Hold the rank of assistant professor with excellent research achievements, approved by the College Academic Evaluation Committee meeting.

#### 五、博士候選人資格考試規定

博士班研究生在通過下列兩種考試後即成為博士候選人。

##### 1. 資格考試

博士生需於入學且在學期間通過資格考。實施細節依「長庚大學電機工程研究所博士班研究生資格考試規定」(附件三)辦理。

##### 2. 研究計畫口試

- (1) 博士班研究計畫口試需於通過資格考試後次一學期結束前提出(如附件四)，研究計畫口試委員由該生之指導教授召集至少二位本校具指導博士班研究生資格以上的教師組成，以審定其研究計畫之可行性。研究計畫口試申請表。
- (2) 第一次口試若未通過，須於未通過後之一年內，以書面申請第二次口試，若仍未通過即予退學。

#### Regulations for Qualification Examination of Doctoral Candidates Ph.D.

Ph.D. students become candidates after passing two types of examinations:

##### Qualification Examination:

Ph.D. students must pass the qualification examination within the first year of enrollment or during the study period. The details are governed by the "Regulations for Qualification Examination of Ph.D. Students in the Graduate Institute of Electrical Engineering, Chang Gung University" (Attachment 3).

##### Research Proposal Examination:

- (1) The research proposal examination should be held before the end of the semester following the passing of the qualification examination (as in Attachment 4). The examination committee should consist of at least two faculty members with qualifications to supervise Ph.D. students from the institute. The committee assesses the feasibility of the research proposal. Application form for the research proposal examination.
- (2) If the first examination is not passed, a second examination can be applied for within one year after the first attempt. If unsuccessful in the second attempt, the student is subject to

dismissal.

#### 六、博士學位論文口試

博士生在取得博士候選人資格六個月後，且在學期間之研究成果滿足畢業標準(附件五)，得填具「學位論文口試資格審查申請單」(附件六)，經資格審查核定後(系上作業時間2週)，依據「長庚大學工學院博士生學位考試實施要點」(附件七)，於預計口試日期兩週前，填妥「長庚大學工學院博士生學位考試申請表」(附件八)和「長庚大學工學院博士學位口試記錄表」(附件九)，經學術審查委員會審查通過後即可實施。

1. 博士班研究生之論文著作發表必須是在本系就讀期間以長庚大學電機系所之名義刊登，本所始予以承認。
  2. 論文口試申請提出後，由學術審查委員會審查該生的修課學分及研究成果。
  3. 口試委員由所長依第4款準則聘任。
  4. 博士學位口試委員，除對博士學位候選人所提論文學科有專門研究外，並應具備下列資格之一：
    - (一)具教授資格者。
    - (二)擔任中央研究院院士或現(曾)任中央研究院研究員者。
    - (三)曾任副教授或擔任中央研究院副研究員，在學術上著有成就者。
    - (四)獲有博士學位，在學術上著有成就者。
- 上述第三目及第四目提聘資格認定，需經學術審查委員會審查通過。

#### Doctoral Dissertation Defense

Ph.D. students after obtaining the qualification of a doctoral candidate for six months and satisfying graduation standards during the study period (as in Attachment 5), can fill out the "Application for Qualification Examination of Doctoral Dissertation Defense" (Attachment 6). After approval by the qualification review (within two weeks), and following the "Implementation Guidelines for Ph.D. Degree Examination in the College of Engineering, Chang Gung University" (Attachment 7), the "Application Form for Ph.D. Degree Examination" (Attachment 8) and the "Record Form for Ph.D. Degree Examination" (Attachment 9) should be completed and submitted for approval by the Academic Review Committee before the expected defense date.

1. Publications of the doctoral student's thesis work must be published under the name of Chang Gung University's Electrical Engineering department during the enrollment period to be recognized.
2. After applying for the dissertation defense, the Academic Review Committee reviews the student's completed course credits and research achievements.
3. The defense committee is appointed by the director according to the criteria in section 4
4. Members of the Ph.D. dissertation defense committee, besides being specialists in the field of the student's thesis, must also meet one of the following qualifications:
  - (a) Hold the rank of professor.
  - (b) Be a current or former academician of the Academia Sinica or a researcher of the Academia Sinica.
  - (c) Have been an associate professor or a researcher at the Academia Sinica and possess

significant academic achievements.

(d) Hold a Ph.D. degree and possess significant academic achievements. The qualifications for (c) and (d) require approval from the Academic Review Committee.

**七、其他未盡事宜悉依本系、本校及教育部等規定辦理。**

Matters not covered in these regulations will be handled according to the regulations of the department, the university, and the Ministry of Education.

**八、本規定經系（所）務會議通過，呈學校核備後實施；修改時亦同。**

These regulations, after being approved by the departmental affairs meeting, will be implemented upon university approval. The same applies to any modifications