

National Sun Yat-sen University
Department of Photonics
Related Regulations of Master’s Degree Examination for Graduate
Students of Master’s Program

Applicable to students enrolled beginning the academic year of **2020** onwards

Nov. 25, 2002	Modified and approved at the departmental affairs meeting.
Mar. 25, 2003	Modified and approved at the college affairs meeting.
Jan. 31, 2007	Modified and approved at the departmental affairs meeting.
Sep. 11, 2008	Modified and approved at the departmental affairs meeting in the 1st semester of academic year 2008.
Oct. 8, 2008	Modified and approved at the 1st college affairs meeting in the 1st semester of academic year 2008.
Oct. 9, 2009	Modified and approved at the 1st departmental affairs meeting in the 1st semester of academic year 2009.
Nov. 9, 2009	Modified and approved at the 1st college affairs meeting in the 1st semester of academic year 2009.
Nov. 10, 2010	Modified and approved at the 3rd departmental affairs meeting in the 1st semester of academic year 2010.
Dec. 15, 2010	Modified and approved at the 2nd college affairs meeting in the 1st semester of academic year 2010.
Sep. 22, 2011	Modified and approved at the 2nd departmental affairs meeting of academic year 2011.
Nov. 2, 2011	Modified and approved at the 1st college affairs meeting of academic year 2011.
Nov. 4, 2011	Approved as per approval with authorized signature.
Sep. 19, 2012	Modified and approved at the 2nd departmental affairs meeting of academic year 2012.
Oct. 25, 2012	Modified and approved at the 1st college affairs meeting of academic year 2012.
Nov. 2, 2012	Approved as per approval with authorized signature.
Mar. 5, 2013	Modified and approved at the 2nd college affairs meeting of academic year 2012.
May 1, 2013	Modified and approved at the 6th departmental affairs meeting of academic year 2012.
May 15, 2013	Modified and approved at the 7th departmental affairs meeting of academic year 2012.
May 29, 2013	Modified and approved at the 3rd college affairs meeting of academic year 2012.
Jun. 6, 2013	Approved as per approval with authorized signature.
Apr. 22, 2015	Modified and approved at the 7th departmental affairs meeting of academic year 2014.
Aug. 11, 2015	Modified and approved at the 1st college affairs meeting of academic year 2015.
Sep. 2, 2015	Approved as per approval with authorized signature.
Nov. 20, 2019	Modified and approved at the 4 th departmental affairs meeting of academic year 2019.
Jan. 20, 2020	Modified and approved at the 2nd college affairs meeting of academic year 2019.

1. The Related Regulations were formulated in accordance with the “Degree Conferral Act” and its Implementation Bylaws promulgated by the Ministry of Education, as well as the “Academic Regulations” and “Implementation Bylaws for Ph.D. and Master’s Degree Examination” of the University.
2. Related items during the study period:
 - (1) Weekly staying period at the University:

Before completion of taking the minimum number of credits for graduation from the Master’s Program, as specified by the Department, general Master’s students have to stay at the University for at least 5 days (at least 8 hours per day) per week, and part-time Master’s students have to stay at the University for at least 4 and half days (total 2 days) per week, to engage in research or take courses in class.
 - (2) Number of years for completion of degree program: Each general student may take 1 to 4 years (exclusive of the period preserved for admission and the suspension period) to complete the degree program, whereas each part-time student may take 3 to 4 years to complete the degree program. But those part-time students with an excellent grade point average (GPA) or outstanding research performance may apply for completion of the degree program in 2 years.

(3) Credit system and course requirements:

- 1) The selected courses of students have to be approved by their advisors and the Chair.
- 2) Each student of Master's Program, within 2 years after enrollment, has to complete taking the required courses and 26 credits, which are the minimum number of credits for graduation. Of the 26 credits, the student has to complete taking 15 credits of the professional photonics courses opened by this Department (exclusive of Research Project Course), "including 4 compulsory courses and 1 compulsory elective core courses".

(a) Compulsory courses: Opto-Electromagnetism, Photonics, Seminar I and Seminar II.

(b) The compulsory elective core courses in 3 main fields are shown in the following table: Regular text (1st semester) / Bold text (2nd semester)

Photonic Materials and Components	Optical Communication and Optical Information	Display and Alternative Energy
Photonic Materials Semiconductor Photonic Components	Fiber-optic Communication System Principles of Modern Communication	Principles and Application of Organic Photonic Materials <u>Liquid Crystal Display Technology</u>

3) After the "Course Selection Confirmation List of Compulsory Elective Core Courses of Master's Program of the Department of Photonics" has been approved and signed by the advisor, the List has to be submitted to the Department latest before the first semester of the academic year of graduation, as a reference for the staff to review and check the credits for graduation.

(4) As from the academic year 2011, two courses maximum can be selected from the Bachelor's Program (the courses must have been indicated in the Course Selection System that their credits shall be recognized by the Graduate Institute), can be recognized and shall have their credits counted as the credits for graduation.

(5) Selection and appointment of advisors:

If a Master's student has to change the selected advisor with reason, the student has to obtain written consent from both the original advisor and the new advisor prior to such change.

(6) Others:

If a Master's student needs a professor of other Department to be the co-advisor, the selection of a co-advisor has to obtain consent from the advisor first. Then, before the thesis proposal is reviewed, the student should fill out the Co-advisor Form of the Department and submit the Form to the Department Office for reference.

(1) Related requirements for presentation of papers (one of the following requirements has to be met):

1) A graduate student of the Master's Program, before graduation and leaving the University, must have presented at least one paper (the paper refers to the one published in a journal or periodical, or presented in a conference held in Taiwan or in a

foreign country. If there are two or more students of the same year being authors of the paper, only the first author shall be considered to be presenting the paper). For the same paper, only one author can request for recognition of the paper presentation, and the advisor also has to be the co-author of the presented paper.

- 2) A graduate student of the Master's Program must have submitted a paper that is signed by the advisor, written in accordance with the format of the annual conference of the Department of Photonics, and has the student being the first author. For the same conference paper, only one author can request for recognition of the paper presentation.

(2) Others

- 1) Before holding of a degree examination, the graduate student must have met the requirements for completion of degree program, passed the related requirements for presentation of papers, and recommended by the advisor.
 - 2) Any student failing the degree examination and having not spent the required number of years for completion of degree program, the students has to re-attend the degree examination in the next semester or the next academic year. The student can take re-examination once only. After re-examination, if the student still cannot pass the examination, the student will be expelled in accordance with the Academic Regulations of the University.
4. Graduation: Students meeting the various requirements aforesaid may submit an application for graduation.
 5. The Regulations were approved at the departmental affairs meeting and college affairs meeting, and then sanctioned by the University President prior to implementation. Any modifications to be made to the Regulations shall follow the same procedure.

Course Selection Guide for Students of Bachelor's Program

1. Each student should take compulsory courses of General Education with a total of at least 28 credits (exclusive of the 4 credits of Sports and Health).
2. When taking different kinds of General Education courses, the students have to follow the various rules and description of credit taking specified in "General Education Course Framework" of the University.
Please refer to the front page of the Office of Academic Affairs of the University / Regulations / Related Regulations for Course Selection / Related Requirements of General Education.
3. Each student should take compulsory courses of professional courses with a total of at least 68 credits. Each student has to select taking the elective professional courses offered by the Department for no less than 24 credits (which should cover the three main fields of the elective courses, and the student has to take at least two courses from each field).
4. Regarding the foreign students with their previous graduation year equivalent to Grade 11 of Taiwan education system, or the students of Hong Kong or Macau previously graduated from the similar kind of high schools and enrolled in the University based on their equivalent education level, they should take 12 more credits in addition to the required number of credits for graduation as specified by the Department.

Minimum number of credits for graduation: 139 credits