

National Central University

Department of Space Science and Engineering

Master's Program Guidelines

Approved by the Department Affairs Meeting on June 1, 2012
Approved by the Department Affairs Meeting on April 25, 2016
Approved by the College Curriculum and Student Learning Outcomes Promotion Committee on May 10, 2016
Approved by the Academic Affairs Meeting on June 15, 2016
Approved by the Department Affairs Meeting on January 10, 2019
Approved by the Academic Affairs Meeting on June 19, 2019
Approved by the Interim Department Affairs Meeting on April 13, 2020
Approved by the College Curriculum Committee on May 25, 2020
Approved by the Academic Affairs Meeting on June 17, 2020
Approved by the Department Affairs Meeting on October 16, 2020
Approved by the College Curriculum Committee on November 14, 2020
Approved by the Academic Affairs Meeting on January 3, 2021

Article 1:

These guidelines are established in accordance with the University's regulations and the "Regulations for the Degree Examinations for Doctoral and Master's Students."

Article 2: Duration of Study and Credits

The duration of study is limited from one to four years (excluding up to two years of leave). A minimum of 24 credits is required. During the period of study, students must pass the master's seminar course for two semesters.

If a student admitted as a degree-seeking in-service student fails to complete the required courses or thesis within the specified period, they may extend their study period by one year.

Article 3: Thesis Advisor

The thesis advisor must be a full-time faculty member of the department (including primary and secondary appointments). The advisor shall be confirmed by the end of the first semester, and the "Advisor Confirmation Form" shall be submitted with the Department Chair's signature. Any change of advisor requires the "Advisor Change Application Form" signed by both the former and current advisors and approved by the Department Chair. Special cases will be handled by the Student Affairs Committee convened by the Department Chair and reported to the Department Affairs Meeting.

Article 4: Core Courses

To strengthen the fundamental knowledge and professional level of master's students, students must pass at least two courses from the Space category and at least one course from the Mathematics category to graduate.

(1) Space Category:

1. Space Plasma Physics I
2. Space Environment and Exploration
3. Space Mission Design
4. Radar Remote Sensing of the Atmosphere

(2) Mathematics Category:

1. Advanced Applied Mathematics
2. Stochastic Processes and Spectral Analysis

The grades for these core courses must be 70 or above to be considered passing.

Article 5: Degree Examination

1. Students who meet the Department's requirements and relevant regulations must fill out the "Master's Graduation Application for Oral Defense" form and obtain approval from their advisor to apply for the degree examination.
2. The degree examination is conducted in accordance with the University's "Regulations for the Degree Examinations for Doctoral and Master's Students."

Article 6: Graduation

1. The graduation thesis must be formatted according to University regulations and submitted in both paper and electronic versions before leaving the university.
2. Before leaving, students must clear the laboratory space and equipment used, return borrowed items, and complete the checkout process.

Article 7:

Matters not covered by these guidelines shall be handled in accordance with the relevant regulations of the Ministry of Education and the University.

Article 8:

These guidelines shall be implemented after approval by the Department Affairs Meeting, college-level meetings, and the Academic Affairs Meeting. Amendments shall follow the same procedure.