National Chiao Tung University Department of Applied Mathematics

M.S. Courses Regulations

(Applicable to the 95th academic year enrolled graduate students)

1. There are two divisions, the Analysis and Geometry, and the Combinatorics, open for admissions. Inter divisional transfers are not allowed within the first year of enrollment. Students who intend to switch divisions are required to obtain at least 6 credits (3 from each semester) from the recommended courses of his/her current division. Divisional transfer request is to be filed in the 2nd semester of year one and is subjected to the approval of the Department Course Committee (DCC hereafter).

2. Each M.S. student must choose a thesis advisor within the first semester. Registration for subsequent semesters is only possible after the approval from DCC on the choice of advisors. Unless exceptional cases, advisors are to be chosen from within the department. A change of thesis advisor requires the approval of the DCC.

3. The duration of the M.S program is two to four years for full timers and two to five for part timers, together with the completion of 24 credits. Outstanding performers can further their studies to PhD program or shorten their M.S. program to one year. The request for one-year graduation is subjected to the scrutiny of a special qualification panel set up by the DCC (consists of experts of related fields). Full timers must show full commitment to academic endeavor while half timers' commitment, with the approval of thesis advisors and head of department, cannot be less than one half of that of the full timers'.

4. Any graduate course credits, not accounted for your bachelor's degree, earned prior to your enrollment can be verified upon request by the DCC for credit exemptions.

5. Graduate students who have accumulated the total required credits and completed their thesis must sit for the Qualifying Examination. Thesis advisor will propose a 3 to 5-member M.S degree examination panel, at least one third of which are from other university or department, consists of associate professors or Academia Sinica associate researchers or scholars of higher qualifications. The proposed panel will then be officially invited into formation by the university president after the approval of the DCC.

6. Graduate student who has passed the Qualifying Examination will be awarded the M.S. degree by the university. Whoever fails the first test and is still within the allowed duration of study, is allowed to retake, once and only once, the examination within that duration. Failing the retake will lead to immediate drop out.

7. All scholarships considerations are handled, under the university scholarships regulations, by the DCC. Receivers of the Department of Education scholarships must contribute at least 4 working hours to the department under the DCC supervision.

8. Any first year graduate students who are interested in pursuing PhD degree must file their applications in May and will have to undergo, like any other examinees, a standardized entrance examination (qualification inspection, interview and written examination). Only after passing the entrance examination that one shall make official PhD program request to the university.

9. Any current PhD students wishing to roll back to the M.S program will have to be approved by both the DCC and the university.

10. M.S program courses are as follows:

    Co-divisional requirements: at least two semesters of Colloquium.

    Divisional requirements: Analysis and Geometry: <u>Complex Analysis</u>, two semesters, 6 credits

    Combinatorics: 1. <u>Topics in Discrete Mathematics</u>, pass at least twice.

    2. <u>Graph Theory</u>, two semesters, 6 credits

11. Any issues not mentioned above shall be implemented according to the Degree Awarding Regulations and the M.S and PhD Degree Awarding Regulations.

12. These regulations and subsequent amendments are made by the DCC, inspected by the Institute and University Course Committee and implemented after the Academic Affair Meeting.