

National Yang Ming Chiao Tung University
Department of Applied Mathematics

**Field Course Completion Certificate Implementation Guidelines
for Undergraduate Students**

Revised in May 2012

Students who have taken more than 6 credits (inclusive) in the same field, with two courses passed at an average score of 70 or above, can apply for the 'Field Course Completion Certificate' from the department office. The certificate will be issued upon approval by the department's curriculum committee. There is no restriction to just one field. Applications should be submitted to the department within one month after the beginning of each semester, along with a transcript and an application form.

This certificate can serve as a supplementary document for students pursuing further studies or seeking employment.

Field	Approved Courses [Grad] indicates courses offered by the graduate school
Mathematical Modeling and Scientific Computing	Methods of Applied Mathematics [Grad], Introduction to Scientific Computing [Grad], Partial Differential Equations [Grad]
Financial Engineering and Probability	Advanced Statistics, Stochastic Processes, Advanced Probability [Grad], Real Analysis [Grad]
Differential Equations and Dynamical Systems	Introduction to Partial Differential Equations, Introduction to Dynamical Systems, Ordinary Differential Equations [Grad]
Discrete Mathematics and Optimization	Basic Graph Theory, Coding Theory [Grad], Graph Theory [Grad], Cryptography [Grad]
Number Theory, Geometry, and Analysis	Topology, Geometry, Introduction to Analysis, Basic Number Theory [Grad]