

Guidelines for Students Enrolling in the Non-Degree Conferring Program in Brain Sciences and Digital Learning Technology

Approved by a meeting of the Network Learning Technology Center Curriculum Committee on July 19, 2006

Approved by a meeting of the National Central University Curriculum Committee on October 5, 2006

Approved by a meeting of the Academic Affairs Committee on October 13, 2006

1. The aim of this program is to cultivate the student's ability to conduct interdisciplinary research and to provide a foundation for professional research in the area of the learning sciences. Drawing upon the combined resources of the faculties of the Institute of Cognitive Neuroscience, the Graduate Institute of Learning and Instruction, and the Graduate Institute of Network Learning Technology, this program will prepare students for advanced academic studies.
2. Students studying in any college in the University may apply for entry into this program; those applying from other schools must comply with all NCU rules and regulations.
3. University students who comply with these guidelines and earn the required number of credit hours from the program curriculum shall have the name of the program as well as the number of credit hours earned clearly indicated on their transcript and shall also be awarded a certificate of completion.
4. The requirements for this program's credit hours are as follows (17 credit hours total) (course details are provided in the attachment):
 - A. General Courses (14 credit hours)
 - (1) Digital Technology (five credit hours)
 - a. Introduction to Computer Science (two credit hours)
 - b. Introduction to the Internet (three credit hours)
 - (2) Learning Theory and Education (nine credit hours)
 - a. The Brain and Learning (three credit hours)
 - b. Cognition and Learning (three credit hours)
 - c. Digital Learning Content and Design (three credit hours)
 - B. Special Topic Seminar (three credit hours): In line with the University's policy of encouraging special topic research at the undergraduate level, students in this program are free to decide the learning area in which they pursue their research and whether to focus on the practical aspects of conducting research in this topic

or on the design of educational technology.

5. Students may request a waiver for course credit hours earned from other University departments or institutes; there is no limit on the total number of credit hours that can be waived in this manner.
 - A. A maximum of two credit hours earned from a course offered by another department in the University may be used to wave this program's introductory computer science course requirement.
 - B. Whether courses with similar titles and content taken from other departments or institutes in the University can be accepted in lieu of courses offered by this program shall be left to the discretion of the Network Learning Technology Center.
6. These guidelines shall be implemented and entered into force upon approval by a meeting of the Academic Affairs Committee. The same procedure applies to any amendment of these guidelines.

(Attachment)

Category	Course Title	Credit Hours	Course Code (institute or department offering the course)
Digital Technology	Introduction to Computer Science	2	NL0001 (Graduate Institute of Network Learning Technology)
	Introduction to the Internet	3	NL0002 (Graduate Institute of Network Learning Technology)
Learning Theory and Education	The Brain and Learning	3	NS0001 (Institute of Cognitive Neuroscience)
	Cognition and Learning	3	LI0001 (Graduate Institute of Learning and Instruction)
	Digital Learning Content and Design	3	LI0002 (Graduate Institute of Learning and Instruction) NL0003 (Graduate Institute of Network Learning Technology)
Special Topic	Seminar	3	NS0002 (Institute of Cognitive Neuroscience) LI0003 (Graduate Institute of Learning and Instruction) NL0004 (Graduate Institute of Network Learning Technology)