

## Syllabus

### 1. Course Title, style, and credit:

Design for Learning Media Environment (x)lecture, ( ) Discussions ( )practice], 2 credit

### 2. Appropriate grade level and Eligible Departments:

(x)1, (x)2, (x)3, (x)4, ( )5: (x)School of Cultural Sciences, (x) All Departments, (x) Other

### 3. Lecturer(s): Hiroshi Kato

Contacts to the lecturer (e-mail address, Tel and Fax numbers, and the office):

hkato@nime.ac.jp, Phone: +81-43-298-3270, Fax: +81-43-298-3270

### 4. Time:

First term, every Friday 10:30~12:30 (2hrs)

### 5. Place:

NIME R&D Building 8F, Students Room

### 6. Prerequisites and Styles

A student in distant place is allowed to join by means of a video conference system.

### 7. Contents:

An instructional designer is rarely conscious of her/his view of learning. However, a view of learning inevitably affects instructional design. This subject deal with typical learning theories in terms of computer supported learning materials. The aim is to understand the relationship between learning theories and learning environment design.

In specific, history of typical types of CAI learning materials is explained and demonstrated in the context of paradigm shift of learning theories such as behaviorism, representationalism, constructionism, and situated learning. Then, methodology for learning environment design and its evaluation is discussed.

### 8. Course objectives:

1. To understand major learning theories and their historical background
2. To understand major types of instructions and underlying learning theories
3. To understand methodology for designing learning environment and evaluation.

### 9. Schedule:

- (1) Course orientation
- (2) Behaviorism and drill
- (3) Representationalism and tutorial
- (4) Intelligent tutoring system
- (5) Constructionism and micro-world
- (6-7) Situated learning and socio-cultural approach and CSCL
- (8) Learning environment design
- (9) Evaluation for learning environment design

- (10) Introduction for interaction analysis
- (11) Students' presentation of their reports

**10. Lecture materials and readings**

Situated Learning: Legitimate Peripheral Participation, Lave, J. and Wenger, E. , Cambridge University Press, 1991

**11. Grades:**

Evaluated by attendances and a report.

**12. Notes**

None.