

Syllabus

1. Course Title, Style and Credit:

- Spatial Cognition in Media:
- Lecture Discussions Practice
- 2 credits

2. Appropriate Grade Level and Eligible Departments:

- 1 2 3 4 5
- School of Cultural Sciences All Departments Other

3. Lecturer(s): Tomotsugu Kondo

Contact information:

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4. Time:

15:00-16:30 every Thursday

5. Place:

NIME R&D Building 6F, Room #617

Web site: <http://tkondo.nime.jp/nc/>

6. Prerequisites and Styles:

None.

7. Contents:

The media space in 'Spatial Cognition in Media' is the space artificially made by media, such as video and computer graphics. In this lecture, first, the media technology of video, three-dimensional computer graphics, virtual reality, and mixed reality are introduced as basic knowledge. Next, empirical data collection methodology for analyzing users' action(s) in this media space is introduced.

8. Course Objectives:

1. Students should understand the media characteristic(s) for spatial representation, and learn associated development skills.
2. Students should understand concepts of virtual reality and mixed reality.
3. Students should understand research method (s) for 'Spatial Cognition in Media'.

9. Schedule:

- (01) Montage theory
- (02) Video shooting and editing techniques
- (03) Spatial representation using video 1: Shooting
- (04) Spatial representation using video 2: Editing
- (05) History of motion image media
- (06) Spatial representation by digital cameras
- (07) Stereoscopic system
- (08) Spaces made by virtual reality
- (09) Spaces made by mixed reality
- (10) Three-dimensional computer graphics 1: Modeling and Material Setting
- (11) Three-dimensional computer graphics 2: Animation and Rendering
- (12) Spatial representation using mixed reality
- (13) Spatial representation using Web3D
- (14) Broad overview of spatial cognition study
- (15) Research methods for 'spatial cognition in media'

10. Lecture materials and readings

The materials and the reference list are on the website.

11. Grades:

The grade will be based on a paper about the above Course Objectives.

12. Notes

None.