

Hokkaido University Syllabus

Course Title

Media Creation Methodology

Subtitle

Instructor (Institution)

Yuji SAKAMOTO(Graduate School of Information Science and Technology)

Other Instructors (Institution)

Yuji SAKAMOTO(Graduate School of Information Science and Technology)

Course Type

Open To Other Faculties / Schools

Year

2016

Semester

2nd Semester (Autumn Term)

Course Number

046052

Type of Class

Lecture

Number of Credits

2

Year of Eligible Students

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Eligible Department / Class

Other Information

Numbering Code

IST_MN 6010

Major Category Code

Major Category Title

IST_MN

Graduate School of Information Science and Technology(Media and Network Technologies)

Level Code

Level

6

Specialized Subjects (advanced) in graduate level (Master's Course and Professional Course)

Middle Category Code

Middle Category Title

0

Small Category Code

Small Category Title

1

Language Code

Language Type

0

Classes are in Japanese.

Key Words

Communication media

Course Objectives

Recently, communication media using information technology are of increasing importance. In order to understand media creation methodology, text, video, image, audio media and media delivery systems through the Internet are also lectured.

Course Goals

This lecture aims to understand the basic concepts and terms of communication media using information technologies which are needed when a student reads technical books for practical purposes.

Course Schedule

1) Overview of media creation methodology
A history of media creation and its methodology, and overview of the media creation methodology.

2) Text media
Mail, chat, and hypertext are lectured.

3) Image and media

Image/video media and image/video delivery systems are lectured.

4) Audio media

Audio media and its delivery system are lectured.

5) Composite multi-media

Composite multimedia such as virtual reality and augmented reality are lectured.

6) Applications

Animation, computer vision, and 3D video are lectured.



Homework

Homework problems are assigned during lecture.



Grading System

Evaluation will be carried out by the use of your attendance, home works and reports.



Textbooks



Reading List



Websites



Website of Laboratory



Additional Information

Basic knowledge of computer system, computer network, and computer graphics are needed.



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