

## Syllabus 2017 Common ground subject

### Information Ethics

Japanese

#### Basic information

held this year:	yes
instructor(s)	Assoc.Prof. Shinozawa, Prof. Suganuma, Prof. Sone, Prof. Shizuya, Assoc.Prof. Tokugawa, Assoc.Prof. Kubo, Senior Assis.Prof. Sakata, Prof. Mori, Assi.Pro. Uchida, Prof. Nakao, Prof. Komiya
room	Lecture Hall(206)
schedule	The first half year (Thursday) 10:30–12:00
begins on:	04/13

#### Objectives and outline

##### ◎Introduction to Information Ethics (Shinozawa)

Information Ethics is one of the applied ethics. Our society has become more convenient and more comfortable by means of information technology. But, at the same time, the rapid change and development of information society has brought many problems in various fields of our daily life. In studying and researching in this graduate school, it is one of the requisite trainings to think carefully about the problems of information society.

##### ◎Netiquette (Suganuma)

Netiquette is kind of rules, etiquettes, manners etc. to use network comfortably. In this lecture we consider the social background on which the netiquette is needed, and how and why the netiquette comes to an agreement over. Also we investigate how to regard the ethics in current networked society, through considering the actual examples of the netiquettes.

##### ◎Information Security Issues (Sone)

Overview information security measure and related topics including information resources and threat, as well as a balance with convenience of use and distribution of information. Then discuss on the role of technical, ethical and a systematic measure or preparation of administrators and users to secure safety and reliability information and an information system.

##### ◎Cryptography (Shizuya)

We will recognize the relationships among the cryptology and other academic fields including information ethics. After overviewing the characteristics of modern cryptography, we will learn that the security of our society depends heavily on a conjecture in computational complexity theory: NP is not included in P.

##### ◎“Voice and Ear” in Information Society (Tokugawa)

Most studies on information ethics tend to focus on the significance of the increase of opportunity of sending message in our life, and discuss morals in the process of creating contents. In this class, however, we will turn to ourselves as receivers and, through a metaphor of the sensitivity of our ear to others' voice, re-conceptualize information ethics as an issue of frame of reference or practice of interpretation. Specifically, after a brief re-examination of sociological notions on segmentation of social world and politics of discourse, we will consider the necessity of continual learning for social construction of responsive ear.

##### ◎Pop-Culture and Consumption (Kubo)

Pop culture such as manga or anime is now at the center of our lives. We can't ignore it. On the other hand, there are a lot of problems. We consider about today's pop culture in the context of the consumer society.

##### ◎Media and Ethics (Sakata)

In contemporary digital society everyone can freely express his/her opinion based on individual thought and sense of value through social media such as SNS. On the other hand, confidence in “freedom of expression” has become unstable as a result of diffusion of “free expression” including hate speech. In this lecture, we would like to consider the role of media and media ethics in the situation of segmentation of sense of value and the ensuing terrorism.

©Robo-ethics (Mori)

The aim of “Robo-ethics” is to reflect upon the philosophical-ethical questions concerning “Robotics” or robot-engineering. We can find the key to it in the famous drama R.U.R. (1920) written by Karel Capek.

©Intellectual Property Law (Komiya)

This course is designed to introduce fundamental aspects of Intellectual Property (IP) Law. Students are expected to deal with information without confusing a legal issue with a moral issue and ethics. Specifically, overview of patent system provides students some perspectives on IP management, including acquisition, protection and utilization of IP.

©Genetic Information (Uchida)

By the development of the human genome project, our genetic information has been used as a diagnosis and the preventive medicine or a criminal investigation. Through understanding of the basic genetics, let us consider an importance of dealing with personal genetic information from an ethical point of view.

©Bioethics (Nakao)

Recently, a lot of serious biological/medical issues such as euthanasia and cloning are emerging one after another that we should do decision-making based on our own view of living things and human-beings. One of the foundations on which the decision-making relies is “Bioethics”. In this lecture, an overview of bioethics is given, which could make the students be aware of existence of the bioethical issues around them and think of them in their own way.

©Written Examination

■ **Class plan**

- (1) April 13 Introduction to Information Ethics (Shinozawa)
  - \* April 20 Research Ethics (Hashimoto)
- (2) April 27 Netiquette (Suganuma)
- (3) May 11 “Voice and Ear” in Information Society (Tokugawa)
- (4) May 18 Pop-Culture and Consumption (Kubo)
- (5) May 25 Cryptography (Shizuya)
- (6) June 1 Information Security Issues (1) (Sone)
- (7) June 8 Information Security Issues (2) (Sone)
- (8) June 15 Media and Ethics (Sakata)
- (9) June 22 Robo-ethics (Mori)
- (10) June 29 Bioethics (Nakao)
- (11) July 6 Genetic Information (Uchida)
- (12) July 13 Intellectual Property Law (1) (Komiya)
- (13) July 20 Intellectual Property Law (2) (Komiya)
- (14) July 27 Summary & Written Examination
- (15) August 3 (supplementary class) Netiquette (Suganuma)

■ **Evaluation**

Written examination.

You can answer in English. You cannot use any lecture materials(handouts) in exam.

■ **Textbook(s)**

Handouts are provided.

■ **Web site**

■ **Office hours**

■ **Other information**

Students are required to prepare and review for each of the assigned themes.

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