Syllabus 2018 Common ground subject
Information Ethics

Japanese

■Basic information

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

■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.

◎"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.

◎The Role of Emotion in Risk Communication(Hara)
Risks associated with a technology often cause a severe conflict between experts, who wish to advance the introduction of that technology, and those who are potentially at risk. Because the response of the general public to that risks is sometimes quite emotional, experts tend to recognize the public's response as exaggerated and irrational. But is it really appropriate to interpret it that way? In this lecture, we consider the role of public's emotion in risk communication.

◎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.

◎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 technical and ethical measure to secure safety and reliability of information and an information systems, including system and organization for administrators and users.

◎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.

◎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.

◎Ethics of Science and Technology（Naoe）
How to understand the relationship between science, technology and human beings has become an increasingly important issue. This lecture aims to help students understand the basic concepts of ethics of science and technology, and describe them in their own words. It deals with such concepts as Human--Computer Interaction, Participatory Design in Informatics and some social aspects Informatics, based on the recent notion of RRI(Responsible Research and Innovation).

◎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.

◎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.

■Class plan

（1）April 12 Introduction to Information Ethics (Shinozawa)
（2）April 19 Netiquette (Suganuma)
（3）April 26 "Voice and Ear" in Information Society (Tokugawa)
（4）May 10 The Role of Emotion in Risk Communication (Hara)
（5）May 17　Pop-Culture and Consumption (Kubo)
（6）May 24 Information Security Issues (1) (Sone)
（7）May 31 Information Security Issues (2) (Sone)
（8）June 7　Cryptography (Shizuya)
（9）June 14 Robo-ethics (Mori)
（10）June 21 Technology and Ethics (Naoe)
（11）June 28 Genetic Information (Uchida)
（12）July 5 Bioethics (Nakao)
　＊　July 12 Research Ethics (Hashimoto)
（13）July 19 Intellectual Property Law (1) (Komiya)
（14）July 26 Intellectual Property Law (2) (Komiya)
（15）August 2 optional day (supplementary class)

■Evaluation

・Attendance : Minute Paper
・Three assignments are required.
・Instruction about the topic and word count will be given by each professor.

The details will be announced in the first class (Introduction).

■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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