

<<Last Updated:2022/02/10>>

## Course Schedule Information

Course Code	881289
Semester	Fall and Winter Term
Day and Period	Tue2,Fri1,Fri2
Course Name (Japanese)	UC Frontier Science II
Room	
Course Name	UC Frontier Science II
Capacity	0
Course Numbering Code	88INES9U100
Required/Optional	※10月～2月の第2週目（火2・金1・金2） Online/オンライン授業
Credits	2.0
Student Year	1,2,3,4,5,6
Field	
Instructor	John Ino
Course of Media Class	Not Applicable

※About Course of Media Class

"Course of Media Class" are classes in which more than half of the classes are held in places other than classrooms by making advanced use of various media.

Undergraduate students can include up to 60 credits in media class course as requirements for graduation.  
Even if this is not the case, we may hold classes using the media.

## Detailed Syllabus Information

Course Name	Case Based Critical Thinking	
Language of the Course	English	
Type of Class	Lecture Subject	
Course Objective	Students will improve critical thinking skills through small group, case based discussions.	
Learning Goals	Students will: 1. learn and use the 6 rules of brainstorming 2. perform stakeholder analysis 3. distinguish between emotion and logic 4. create logical arguments in "pro & con" discussions 5. identify "slippery slope" in dilemmas 6. distinguish between "process thinking" & "results thinking" 7. distinguish between "situational ethics" and need for consistency	
Requirement / Prerequisite	Students will need an intermediate level of English. Some translation to Japanese will be provided.	
Class Plan		Title:Tue. Oct. 4 : "Drugs in Sports" 1st If drugs cannot be detected, how can we make competition fair? Instructor :
		Title:Fri. Oct. 7 : "Drugs in Sports" 2nd If the caffeine in coffee is a stimulant, why is it ok for athletes? Instructor :
		Title:Fri. Oct. 7 : "Drugs in Sports" 3rd If your competitors take drugs what would you do? Instructor :

	<b>4th</b>	Title:Tue. Nov. 8 : "Angelina Jolie: Breast Cancer Gene"
		If your mother had breast cancer would you / your sister get tested?
		Instructor :
	<b>5th</b>	Title:Fri. Nov. 11 : "Angelina Jolie: Breast Cancer Gene"
		If you / your sister had Breast Cancer Gene, what would you do?
		Instructor :
	<b>6th</b>	Title:Fri. Nov. 11 : "Angelina Jolie: Breast Cancer Gene"
		Why is mastectomy (breast removal) a complex issue?
		Instructor :
	<b>7th</b>	Title:Tue. Dec. 6 : "Gender Selection"
		Why would you choose / not choose the gender of your future child?
		Instructor :
	<b>8th</b>	Title:Fri. Dec. 9 : "Gender Selection"
		Who is the missing stakeholder in the gender selection discussion?
		Instructor :
	<b>9th</b>	Title:Fri. Dec. 9 : "Gender Selection"
		What does your selection indicate about your gender stereotypes?
		Instructor :
	<b>10th</b>	Title:Tue. Jan. 17 : "Yuri Nakamura"
		What is a coma ("persistent vegetative state")?
		Instructor :
	<b>11th</b>	Title:Fri. Jan.20 : "Yuri Nakamura"
		If your child is in a coma would you stop life support to donate organs
		Instructor :
	<b>12th</b>	Title:Fri. Jan.20: "Yuri Nakamura"
		Your child needs an organ to live. What would you say to the mom above?
		Instructor :
	<b>13th</b>	Title:Tue. Jan. 31 : "Artificial Intelligence (A.I.)"
		A.I.: What is "Big Data" and "Machine Learning"?
		Instructor :
	<b>14th</b>	Title:Fri. Feb. 3 : "Artificial Intelligence (A.I.)"
		What do you want A.I. tell you about your future?
		Instructor :
	<b>15th</b>	Title:Fri. Feb. 3 : "Artificial Intelligence (A.I.)"
		What are possible limitations of A.I.
		Instructor :
<b>Independent Study Outside of Class</b>	Assignments will be posted on < <a href="http://www.inosensei.com/">http://www.inosensei.com/</a> >. NOT on CLE.	
<b>Textbooks</b>	All materials will be posted on < <a href="http://www.inosensei.com/">http://www.inosensei.com/</a> >. NOT on CLE.	
<b>Reference</b>	James Webb Young: "A Technique For Producing Ideas"	
<b>Grading Policy</b>	Grade will be based on verbal participation, brainstorming teamwork and daily quizzes.	
<b>Other Remarks</b>	Basic translation from English to Japanese will be provided during speaking, listening and on powerpoint slides.	
<b>Special Note</b>	Group discussions will use simple English & students will be encouraged to speak slowly.	
<b>Office Hour</b>	To be done by Zoom video conferencing.	
<b>Keywords</b>		
<b>Messages to Prospective Students</b>	<b>【NOTE】</b> ※Any announcements or class materials will be posted on < <a href="http://inosensei.com">http://inosensei.com</a> >.	

※If there are over 40 students, it will be first-come, first-served bases.  
Please contact UC Osaka Office <uceap@office.osaka-u.ac.jp> for Inquiries.

## Instructor(s)

Instructor Name	Name (hiragana)	Affiliation, Title, Course	Office	Extension	Fax	E-mail
John Hampton INO	じょん はんぷ とん いの	大阪大学とカリ フォルニア大学 との学術交流推 進室・特任教授		6785		forjohnino@gmail.com

## Cautions for Students