

<<Last Updated:2023/02/21>>

## Course Schedule Information

<b>Course Code</b>	88A510
<b>Semester</b>	Summer Term
<b>Day and Period</b>	Other
<b>Course Name (Japanese)</b>	国際交流特別講義 2 (国際ナノ理工学特論B)
<b>Room</b>	文理融合棟305号室
<b>Course Name</b>	International Exchange Special Lecture 2 (International Exchange Lecture on Nanoscience and Nanoengineering B)
<b>Capacity</b>	0
<b>Course Numbering Code</b>	88INES9U105
<b>Required/Optional</b>	O U I C P /バーチャル留学プログラム科目 基_290740 (ハイブリッド型授業)
<b>Credits</b>	1.0
<b>Student Year</b>	1,2,3,4,5,6
<b>Field</b>	
<b>Instructor</b>	MIYASAKA Hiroshi, TAKEDA Seiji
<b>Course of Media Class</b>	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

<b>Course Subtitle</b>	
<b>Language of the Course</b>	English
<b>Type of Class</b>	Lecture Subject
<b>Course Objective</b>	R3 Institute for Newly-Emerging Science Design, Osaka University will invite foreign lecturers from abroad and hold the INSD summer school 2016 on nanoscience and nanotechnology, composed of four topics each having eight lectures that are usually taught in topmost foreign universities. The summer school is aimed at fostering international young talent on nanoscience and nanoengineering. This program is shared with Tsukuba University and connects three campuses, Toyonaka, Suita, and Tsukuba, via video conferencing systems. This year four lectures will offer four topics, two from Osaka and two from Tsukuba.
<b>Learning Goals</b>	Students not only attend the class taught in English but also learn the topmost foreign style of lecturing and how to capture main objects for the lecture. Students are requested to ask various kinds of questions which they do not understand or want to study further. At the same time, students are asked to be used to some quiz, exercise, and examination during the lecture
<b>Requirement / Prerequisite</b>	Those who are registered for the Graduate Program for Advanced Interdisciplinary Studies or the Graduate Minor Program are allowed to take this subject with priority. Since extra seats are usually available, the lecture is also open to other students.
<b>Class Plan</b>	Due to the difference in lecture time tables between Osaka and Tsukuba, the following time schedule will be allotted. 1st lecture: 9:00-10:30, 2nd lecture:10:45-12:15, 3rd lecture:12:45-14:15, 4th lecture:14:30-16:00. The detailed information about the topics, syllabus and the lecturer schedule will be put on the following website: <a href="http://www.insd.osaka-u.ac.jp/nano/">http://www.insd.osaka-u.ac.jp/nano/</a>

<b>Independent Study Outside of Class</b>	If the lecture note is uploaded before the lecture, students are asked to read the document before attending the class. Those students who do not understand a part of the content should review the lecture by watching the video streaming of the recorded lecture through the internet. It is also recommended to take another exchange lectures in English together with the University of Groningen, the Netherlands.
<b>Textbooks</b>	The lecture note for each lecture is uploaded on the following website a few days before each lecture: <a href="http://www.insd.osaka-u.ac.jp/nano/">http://www.insd.osaka-u.ac.jp/nano/</a> In some case, the document will be delivered on site.
<b>Reference</b>	Some references will be introduced in the lecture, if necessary.
<b>Grading Policy</b>	Attendance attitude (50%, evaluate mini reports, question, and activeness) and final report (50%).
<b>Attendance and Student Conduct Policy*</b>	Please contact the Graduate Students Section or the professor/instructor in charge when you will not be able to attend lectures due to infectious disease originating at the university, fever or bereavement when losing a loved one.
<b>Other Remarks</b>	face-to-face class or online class The program will be shared by the students in University of Tsukuba through real-time TV lecture systems. Students are asked not only to attend the class taught in English but also to learn the topmost foreign style of lecturing and how to capture main objects for the lecture.
<b>Special Note</b>	The summer school consists of four sets of eight lectures on different topics given in English by four foreign lecturers. Students can choose at most two topics out of four as International Exchange Lecture on Nanoscience and Nanoengineering B or C. Lecture rooms: (Toyonaka Campus, capacity: 40) R.N. 305, INSD Seminar Room, 3rd floor of Interdisciplinary Research Building, (Suita Campus, capacity 12) R.N. F390, INSD Satellite Room, 3rd floor of the first research building of Institute of Scientific and Industrial Research. Invited lecturers in Osaka University will give lectures at Toyonaka Campus.  When students with disabilities take this course and request reasonable accommodation, please contact the Graduate Students Section or the instructor in advance and discuss the concerns.
<b>Office Hour</b>	Those students who have any question should ask the lecturers just after each lecture or send e-mail to the following address: <a href="mailto:nano-program@insd.osaka-u.ac.jp">nano-program@insd.osaka-u.ac.jp</a>
<b>Keywords</b>	
<b>Messages to Prospective Students</b>	As soon as the detail of the exchange lectures is fixed, it is put on the website: <a href="http://www.insd.osaka-u.ac.jp/nano/">http://www.insd.osaka-u.ac.jp/nano/</a> . Those students who want to attend the class are requested to fill the application form and send it to the program office in advance. E-mail: <a href="mailto:nano-program@insd.osaka-u.ac.jp">nano-program@insd.osaka-u.ac.jp</a>
<b>Course conducted by instructors with practical experience</b>	

## Instructor(s)

Instructor Name	Name (hiragana)	Affiliation, Title, Course	Office	Extension	E-mail
Hiroshi Miyasaka	みやさか ひろし	R3 Institute for Newly-Emerging Science Design			<a href="mailto:miyasaka@chem.es.osaka-u.ac.jp">miyasaka@chem.es.osaka-u.ac.jp</a>
Seiji Takeda	たけだ せいじ	R3 Institute for Newly-Emerging Science Design			<a href="mailto:takeda@insd.osaka-u.ac.jp">takeda@insd.osaka-u.ac.jp</a>

### Cautions for Students

※出欠席及び受講に関するルール：令和5年度以降のシラバス項目 / \*Attendance and Student Conduct Policy: field available from FY2023