



OSAKA UNIVERSITY
School of Science
Graduate School of Science

**Course Schedule for
Graduate School of Science
【Special Integrated Science Course (SISC)】
【International Physics Course (IPC)】
(Spring to Winter 2024)**



OSAKA UNIVERSITY

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How to Read Course Schedule

1. The six characters in red on each page indicate codes for each subject.
2. Please register online (KOAN) for subjects during the registration period as follows.

Registration period	Subjects	Cancellation period of registration	Subjects
April 1 (Mon) 9:30 – April 19(Fri) 16:30	<ul style="list-style-type: none"> • Spring term • Summer term • Spring and Summer terms • Full-year courses offered from the Spring term through to the Winter term 	April 23 (Tue) 9:30 – April 30 (Tue) 16:30	<ul style="list-style-type: none"> • Spring term • Summer term • Spring and Summer terms • Full-year courses offered from the Spring term through to the Winter term
June 4(Tue) 9:30 – June 25(Tue) 16:30	<ul style="list-style-type: none"> • Summer term 	June 26(Wed) 9:30 – July 2 (Tue) 16:30	<ul style="list-style-type: none"> • Summer term
September 13 (Fri) 9:30 – October 14 (Mon) 16:30	<ul style="list-style-type: none"> • Fall term • Winter term • Fall and Winter terms • Full-year courses offered from the Fall term through to the Summer term 	October 15 (Tue) 9:30 – October 21 (Mon) 16:30	<ul style="list-style-type: none"> • Fall term • Winter term • Fall and Winter terms • Full-year courses offered from the Fall term through to the Summer term
November 27 (Wed) 9:30 – December 16(Mon) 16:30	<ul style="list-style-type: none"> • Winter term 	December 17 (Tue) 9:30 – December 23(Mon) 16:30	<ul style="list-style-type: none"> • Winter term

Meaning of the symbols used in the Course Schedule table

- “☉” means that the code is that for students who enroll in the course in the Spring term.
- “★” means that the code is that for students who enroll in the course in the Fall term.
- “✖” means that the course is a common course for Master’s and Ph. D. programs.

3. Schedule changes, cancellations, as well as the schedules of intensive lectures will be announced on the notice board.

«p4 & p8 Intensive Courses»

All Intensive Courses are common to the Master's and Ph. D. programs; however, they are classified to be Ph. D. courses in the online system. When registering online, choose Doctoral Program from the course affiliation drop-down list and enter the course code.

«p6 & p10 Seminars for the Master's Program»

Please register online for seminars for the Master's program in both the Spring term and the Fall term as the seminars are semiannual.

«P7 & p11 Seminars for the Ph. D. Program»

■ For students enrolling in the Spring term----- p 7

Please register online for seminars for the Ph. D. program in the Spring term as the seminars are full-year courses offered from the Spring term through to the Winter term.

■ For students enrolling in the Fall term----- p 11

Please register online for seminars for the Ph. D. program in the Fall term as the seminars are full-year courses offered from the Fall term through to the Summer term.

«Notes»

(Spring and Summer terms)

Spring term: 1 April, 2024 - 11 June, 2024

Summer term: 12 June, 2024 - 30 September 2024

(Fall and Winter terms)

Fall term: 1 October, 2024 - 2 December, 2024

Winter term: 3 December, 2024 - 31 March, 2025

Spring and Summer terms

1. Lectures / Intensive Courses

Day	Period	Special Integrated Science Course	International Physics Course
Mon	1		
	2	Advanced Macromolecular Science II Hashidzume, <i>et al.</i> 24S061 B301	
	3		
	4		
	5		
Tue	1	① Natural Product Chemistry Fukase <i>et al.</i> 24S082 D307	
		② Organic Biochemistry Kajihara 24S083 D307	
	2	② Genome Chemistry Nakatani <i>et al.</i> 24S081 D307	
	3	Introductory Biology Islam 24S057 B208	
	4		
Wed	1		
	2		
	3		Introduction to Theoretical Nuclear Physics Hosaka 24P032 D307
	4		
	5		
Thu	1		
	2		Quantum Field Theory I Nishioka 24P033 E304
	3		
	4		
	5		
Fri	1		
	2		Synchrotron Radiation Spectroscopy KIMURA Shin-ichi 24P035 B308
	3		
	4	① Quantum Chemistry Okumura 24S085 D301 ② Thermal and Entropic Science Nakano 24S087 D301	Nuclear Physics in the Universe Ota 24P031 B307
	5	① Bio/Chemoinformatics Mizuguchi, Hashimoto, Nagao, Watanabe 24S076 D301	
Intensive Course		Current Topics II (※) 「Physical Chemistry and Thermodynamic Properties of Molecular Systems」 Juszynska-GALAZKA Ewa Notified on the board 24S015	
		Current Topics XI (※) 「Chemistry and Physics of Active Matter based on Biomolecules」 Akira KAKUGO Notified on the board 24S065	
		Current Topics XVI (※) 「From Omics to Diversity: Deciphering 500 Million Years of Metazoan Evolution」 Davin H. E. Setiamarga Notified on the board 24S070	

■ Note 1. Class Time : The first period 8:50~10:20 The fourth period 15:10~16:40
 The second period 10:30~12:00 The fifth period 16:50~18:20
 The third period 13:30~15:00
 ① = Spring term ② = Summer term

Spring and Summer terms

2. Others

Special Integrated Science Course			
Program	Course	Teaching staff	Code
Master	Advanced Chemical Experiment (Spring to Winter)	Funahashi, Shimoyama	24S807 (◎)
Master	Interactive Seminar (Spring to Winter)	Funahashi	24S805 (◎)
Master	Basic Biology I (Spring and Summer)	Professors in Department of Biological Sciences	24S001
Ph. D.	Interactive Seminar for Advanced Research (Spring and Summer)	Funahashi	24S407

【Note】

◎:For students enrolling in the Spring term, please register online for subjects in the registration period of the Spring term
 "Basic" courses are offered at your lab. Please ask your supervisor for more details.

Special Integrated Science Course			
Program	Course	Teaching staff	Code
Master	Science Core I	Furuya	24S088
Master	Science Core III	Furuya	24S090

Program	Course	Date	Room	Teaching staff	Code
Master	Biological Science IV	4/10(W)10:30~18:20	D407	Shiga	24S035

Special Integrated Science Course/International Physics Course			
Program	Course	Teaching staff	Code
Master	Radiation science in the environment	Aoi Takahashi Okada (Michio) Hosaka	24P044

Spring and Summer terms

3. Seminars for the Master's Program

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Code
Semestral Seminar	Kajihara	24S332
Semestral Seminar	Akai	24S354
Semestral Seminar	Matsumoto	24S356
Semestral Seminar	Fukase	24S417
Semestral Seminar	Kasamatsu	24S826
Semestral Seminar	Mizutani	24S828
Semestral Seminar	Suzuki (Takayoshi)	24S843
Semestral Seminar	Nakazawa	24S869

Physics

International Physics Course		
Course	Teaching staff	Code
Semestral Seminar II	Hosaka	24P302
Semestral Seminar II	Fujioka	24P337
Semestral Seminar II	Niimi	24P359
Semestral Seminar II	Kanemura	24P387
Semestral Seminar IV	Oiwa	24P373
Semestral Seminar IV	Hosokai	24P397

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Code
Semestral Seminar	Mizuguchi	24S379
Semestral Seminar	Furukawa	24S383
Semestral Seminar	Shinohara	24S411
Semestral Seminar	Harada	24S430
Semestral Seminar	Furuta	24S431
Semestral Seminar	Shiga	24S434
Semestral Seminar	Nakai	24S838
Semestral Seminar	Okada	24S847
Semestral Seminar	Hojo	24S871

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Code
Semestral Seminar	Takashima	24S824
Semestral Seminar	Hashidzume	24S877

Spring and Summer terms

4. Seminars for the Ph. D. Program

■【Students Enrolling in the Spring Term】

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Code
Seminar for Advanced Researches (Spring to Winter)	Nakazawa	24S325
Seminar for Advanced Researches (Spring to Winter)	Mizuguchi	24S406
Seminar for Advanced Researches (Spring to Winter)	Kajihara	24S814
Seminar for Advanced Researches (Spring to Winter)	Toyoda	24S815
Seminar for Advanced Researches (Spring to Winter)	Nakatani	24S816
Seminar for Advanced Researches (Spring to Winter)	Funahashi	24S842
Seminar for Advanced Researches (Spring to Winter)	Suzuki (Takayoshi)	24S868

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Code
Seminar for Advanced Researches (Spring to Winter)	Nakai	24S405
Seminar for Advanced Researches (Spring to Winter)	Hikida	24S416
Seminar for Advanced Researches (Spring to Winter)	Kakimoto	24S804
Seminar for Advanced Researches (Spring to Winter)	Harada	24S809
Seminar for Advanced Researches (Spring to Winter)	Shinohara	24S811
Seminar for Advanced Researches (Spring to Winter)	Nakagawa	24S818
Seminar for Advanced Researches (Spring to Winter)	Ishihara	24S859
Seminar for Advanced Researches (Spring to Winter)	Shiga	24S864

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Code
Seminar for Advanced Researches (Spring to Winter)	Yamaguchi	24S385
Seminar for Advanced Researches (Spring to Winter)	Terao	24S803
Seminar for Advanced Researches (Spring to Winter)	Takashima	24S860

Physics

International Physics Course		
Course	Teaching staff	Code
Seminar for Advanced Researches (Spring to Winter)	Kanemura	24P318
Seminar for Advanced Researches (Spring to Winter)	Sentoku	24P347
Seminar for Advanced Researches (Spring to Winter)	Fujioka	24P349
Seminar for Advanced Researches (Spring to Winter)	Aoki	24P362
Seminar for Advanced Researches (Spring to Winter)	Oiwa	24P366
Seminar for Advanced Researches (Spring to Winter)	KIMURA Shin-ichi	24P367
Seminar for Advanced Researches (Spring to Winter)	Toyoda	24P368
Seminar for Advanced Researches (Spring to Winter)	Hosokai	24P380
Seminar for Advanced Researches (Spring to Winter)	Yoshino	24P381
Seminar for Advanced Researches (Spring to Winter)	Matstuno (Jobu)	24P390

Fall and Winter terms

5. Lectures / Intensive Courses

Day	Period	Special Integrated Science Course	International Physics Course
Mon	1		
	2		
	3		
	4		Theoretical Particle Physics Kanemura 24P045 E211
	5		
Tue	1		
	2	③Structural Organic Chemistry Kubo 24S086 D301	Cosmology Nagamine 24P046 F202
	3		Condensed Matter Theory Keith Slevin 24P037 E304
	4		
	5		
Wed	1		
	2		Quantum Many-body Systems Minamitani 24P028 ONLINE
	3		
	4		
	5		
Thu	1		
	2		
	3		③Electrodynamics and Quantum Mechanics Baiotti ◆24P043 B302
	4		
	5		
Fri	1		
	2	③Analytical Chemistry for Interface Tsukahara 24S078 ONLINE	Quantum Field Theory II Onogi 24P026 D301
	3		
	4		
	5		
Intensive Course		Current Topics I (※) 「TBA」 24S014	Topical Seminar I (※) 「Introduction to attosecond science」 24P019
		TBA Notified on the board	Taro Sekikawa Notified on the board
			Topical Seminar II (※) 「Swampland program in quantum gravity」 24P020 Yuta Hamada

■Note 1. Class Time : The first period 8:50~10:20 The fourth period 15:10~16:40
 The second period 10:30~12:00 The fifth period 16:50~18:20
 The third period 13:30~15:00

③=Fall term ④=Winter term

◆These credits cannot be used to fulfil the requirements of graduation

Fall and Winter terms

6. Others

Special Integrated Science Course			
Program	Course	Teaching staff	Code
Master	Advanced Chemical Experiment (Fall to Summer)	Funahashi, Shimoyama	24S010 (★)
Master	Interactive Seminar (Fall to Summer)	Funahashi	24S024 (★)
Master	Basic Biology II (Fall and Winter)	Professors in Department of Biological Sciences	24S002
Ph. D.	Interactive Seminar for Advanced Research (Fall and Winter)	Funahashi	24S408

【Note】

★:For students enrolling in the Fall term, please register online for subjects in the registration period of the Fall term.

"Basic" courses are offered at your lab. Please ask your supervisor for more details.

Special Integrated Science Course			
Program	Course	Teaching staff	Code
Master	Science Core II	Furuya	24S089
Master	Science Core IV	Furuya	24S091

Program	Course	Date	Room	Teaching staff	Code
Master	Biological Science II	12/11(W)15:10~18:20 12/18(W)15:10~18:20	D307	Matsuno	24S033
Master	Biological Science VII	10/18(F)10:30~18:20	IPR Lecture Hall	Okada (Mariko)	24S037
Master	Biological Science VIII	10/25(F)10:30~18:20	IPR Lecture Hall	Sandhya P. Tiwari	24S039

Fall and Winter terms

7. Seminars for the Master's Program

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Code
Semestral Seminar	Kajihara	24S333
Semestral Seminar	Akai	24S355
Semestral Seminar	Matsumoto	24S357
Semestral Seminar	Fukase	24S418
Semestral Seminar	Kasamatsu	24S827
Semestral Seminar	Mizutani	24S829
Semestral Seminar	Suzuki (Takayoshi)	24S844
Semestral Seminar	Funahashi	24S857
Semestral Seminar	Nakazawa	24S865

Physics

International Physics Course		
Course	Teaching staff	Code
Semestral Seminar I	Onogi	24P323
Semestral Seminar I	Kuroki	24P327
Semestral Seminar I	Fujioka	24P336
Semestral Seminar III	Hosaka	24P303
Semestral Seminar III	Fujioka	24P338
Semestral Seminar III	Niimi	24P360
Semestral Seminar III	Kanemura	24P388

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Code
Semestral Seminar	Mizuguchi	24S380
Semestral Seminar	Furukawa	24S384
Semestral Seminar	Shinohara	24S412
Semestral Seminar	Harada	24S420
Semestral Seminar	Furuta	24S426
Semestral Seminar	Shiga	24S427
Semestral Seminar	Nakai	24S839
Semestral Seminar	Okada	24S848
Semestral Seminar	Hojo	24S870

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Code
Semestral Seminar	Takashima	24S825
Semestral Seminar	Hashizume	24S878

Fall and Winter terms

8. Seminar for the Ph. D. Program

■【Students Enrolling in the Fall Term】

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Code
Seminar for Advanced Researches (Fall to Summer)	Akai	24S328
Seminar for Advanced Researches (Fall to Summer)	Kubo	24S370
Seminar for Advanced Researches (Fall to Summer)	Mizutani	24S404
Seminar for Advanced Researches (Fall to Summer)	Fukase	24S414
Seminar for Advanced Researches (Fall to Summer)	Funahashi	24S810
Seminar for Advanced Researches (Fall to Summer)	Nakazawa	24S832
Seminar for Advanced Researches (Fall to Summer)	Matsumoto	24S833
Seminar for Advanced Researches (Fall to Summer)	Kajihara	24S834
Seminar for Advanced Researches (Fall to Summer)	Suzuki(Takayoshi)	24S853
Seminar for Advanced Researches (Fall to Summer)	Mizuguchi	24S867

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Code
Seminar for Advanced Researches (Fall to Summer)	Shinohara	24S329
Seminar for Advanced Researches (Fall to Summer)	Furuya	24S835
Seminar for Advanced Researches (Fall to Summer)	Furukawa	24S836
Seminar for Advanced Researches (Fall to Summer)	Matsuno	24S837
Seminar for Advanced Researches (Fall to Summer)	Nakai	24S854
Seminar for Advanced Researches (Fall to Summer)	Hikida	24S855
Seminar for Advanced Researches (Fall to Summer)	Mizuguchi	24S872
Seminar for Advanced Researches (Fall to Summer)	Okada	24S873
Seminar for Advanced Researches (Fall to Summer)	Li-Kun Phng	24S875
Seminar for Advanced Researches (Fall to Summer)	Hojo	24S876

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Code
Seminar for Advanced Researches (Fall to Summer)	Yamaguchi	24S387
Seminar for Advanced Researches (Fall to Summer)	Kurisu	24S388
Seminar for Advanced Researches (Fall to Summer)	Takashima	24S874

Physics

International Physics Course		
Course	Teaching staff	Code
Seminar for Advanced Researches (Fall to Summer)	Ideguchi	24P345
Seminar for Advanced Researches (Fall to Summer)	Toyoda	24P363
Seminar for Advanced Researches (Fall to Summer)	Fujioka	24P365
Seminar for Advanced Researches (Fall to Summer)	Koshino	24P383
Seminar for Advanced Researches (Fall to Summer)	Ishii	24P384
Seminar for Advanced Researches (Fall to Summer)	Asakawa	24P385
Seminar for Advanced Researches (Fall to Summer)	Onogi	24P399
Seminar for Advanced Researches (Fall to Summer)	Nanjo	24P401
Seminar for Advanced Researches (Fall to Summer)	Fukuda (Mitsuhiro)	24P402