



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 2019*)**



OSAKA UNIVERSITY

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How to Read Course Schedule

1. The six characters in red on each page indicate schedule 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) ~19(Fri)	<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 22(Mon) ~26(Fri)	<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 11(Tue) ~17(Mon)	<ul style="list-style-type: none"> · Summer term 	June 25(Tue) ~July 1(Mon)	<ul style="list-style-type: none"> · Summer term
September 17(Tue) ~October 11(Fri)	<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) ~21(Mon)	<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) ~December 16(Mon)	<ul style="list-style-type: none"> · Winter term 	December 17(Tue) ~23(Mon)	<ul style="list-style-type: none"> · Winter term

“◎” in the schedule shows a schedule code for Students Enrolled Spring.

“★” in the schedule shows a schedule code for Students Enrolled Fall.

3.※” in the schedule shows a common subject to Master course and Doctor course.

4. Schedule changes, cancellations, and schedules of intensive lectures will be announced on the notice board.

《 p 4& p 8 Intensive Course》

Although all Intensive Courses are common subjects to Master and Doctor courses, they are classified with the Doctor Course in online system. Please choose Doctoral Program from the course affiliation drop-down list and enter the course code when you register online.

《 p 6& p 10 Seminar for Master Course》

Please register online for seminars for Master course at Spring term and Fall term as the seminars are semiannual.

《 p 7& p 11 Seminar for Doctor Course》

■ For students Enrolled Spring----- p 7

Please register online for seminars for Doctor course at Spring term as the seminars full-year courses offered from the spring term through to the winter term.

■ For students Enrolled Fall----- p 11

Please register online for seminars for Doctor course at Fall term as the seminars full-year courses offered from the fall term through to the summer term.

《Notes》

(Spring and Summer terms)

Spring term : April 8~June 10

Summer term : June 11~September 30

(Fall and Winter terms)

Fall term : October 1~December 9

Winter term : November 27~March 31

Spring and Summer terms

1.Lecture / Intensive Course

Day	Period	Special Integrated Science Course	International Physics Course
Mon	1		
	2		High Energy Physics M.Aoki 24P039 E201
	3		
	4	Advanced Macromolecular Science I 24S060 T. Inoue, et al. B302	
	5		
Tue	1		
	2	①Protein Chemistry 24S062 T. Takao D407	
		②Genome Chemistry 24S063 K. Nakatani D407	
	3		Solid State Theory 24P038 K.Kuroki E211
	4		
5			
Wed	1	Introductory Biology 24S057 Y.Tak B307	
	2		
	3		
	4		
	5		
Thu	1		
	2		Optical Properties of Matter 24P029 S.Tajima,S.Miyasaka E304
	3		Quantum Field Theory I 24P033 K.Hashimoto E304
	4		
	5		
Fri	1		
	2		Synchrotron Radiation Spectroscopy 24P035 S.Kimura E203
	3		
	4	①Quantum Chemistry 24S046 M. Okumura B308	Nuclear Physics in the Universe 24P031 T.Shima B307
		②Structural Thermodynamics 24S058 M. Nakano B308	
5			
Intensive Course	Current Topics I (※) 24S014 「Molecular Magnetism」 Malcolm A. Halcrow Notified on the board		Topical Seminar I (※) 24P019 「Statistical mechanics in quantum annealing」 M.Ohzeeki Notified on the board
			Topical Seminar II (※) 24P020 「The structure of exotic nuclei」 Kathrin Wimmer Notified on the board

■Note 1. Class Time : The first period 8:50~10:20 The fourth period 14:40~16:10
 The second period 10:30~12:00 The fifth period 16:20~17:50
 The third period 13:00~14:30
 ①=Spring term ②=Summer term

Spring and Summer terms

2. Others

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

【Note】

◎:For Students Enrolled Spring (Please register online for subjects at the registration period of Spring term.)

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

Biological Sciences			
Program	Course	Teaching staff	Schedule Code
MC	Science Core I	Takagi(Shingo)	240971
MC	Science Core III	Takagi(Shingo)	240972

3. Seminar for Master Course

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Sasai	24S331
Semestral Seminar	Nakatani	24S336
Semestral Seminar	Kobayashi(Hikaru)	24S381
Semestral Seminar	Kubo	24S382
Semestral Seminar	Konno	24S394
Semestral Seminar	Fukase	24S417
Semestral Seminar	Kajihara	24S425
Semestral Seminar	Tsukahara	24S429
Semestral Seminar	Murata	24S826
Semestral Seminar	Mizutani	24S828

International Physics Course		
Course	Teaching staff	Schedule Code
Semestral Seminar II	Kuno	24P306
Semestral Seminar II	Yamanaka	24P359
Semestral Seminar IV	Kuno	24P308
Semestral Seminar IV	Nomachi	24P330
Semestral Seminar IV	Aoi	24P357
Semestral Seminar IV	Kikuchi	24P353

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Hikita	24S360
Semestral Seminar	Nakagawa(Takuro)	24S400
Semestral Seminar	Shinohara(Akira)	24S411
Semestral Seminar	Furukawa	24S430
Semestral Seminar	Fujiwara	24S431
Semestral Seminar	Takagi(Jun-ich)	24S432
Semestral Seminar	Takagi(Shingo)	24S433
Semestral Seminar	Shiga	24S434
Semestral Seminar	Kon	24S435
Semestral Seminar	Matsuno	24S436
Semestral Seminar	Takao	24S819
Semestral Seminar	Kano	24S821

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Inoue	24S822
Semestral Seminar	Takashima	24S824

Spring and Summer terms

4. Seminar for Doctor Course

■【Students Enrolled *Spring*】

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Spring to Winter)	Tsukahara	24S326
Seminar for Advanced Researches (Spring to Winter)	Matsumoto	24S801
Seminar for Advanced Researches (Spring to Winter)	Ogawa(Takuji)	24S813
Seminar for Advanced Researches (Spring to Winter)	Kajihara	24S814
Seminar for Advanced Researches (Spring to Winter)	Nakatani	24S816
Seminar for Advanced Researches (Spring to Winter)	Ishikawa	24S830
Seminar for Advanced Researches (Spring to Winter)	Fujiwara	24S831

International Physics Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Spring to Winter)	Fukuda(Mitsuhiro)	24P335
Seminar for Advanced Researches (Spring to Winter)	Hosaka	24P342
Seminar for Advanced Researches (Spring to Winter)	Oiwa	24P366
Seminar for Advanced Researches (Spring to Winter)	Kimura	24P367

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Spring to Winter)	Nakai	24S405
Seminar for Advanced Researches (Spring to Winter)	Kakimoto	24S804
Seminar for Advanced Researches (Spring to Winter)	Okada	24S809
Seminar for Advanced Researches (Spring to Winter)	Shinohara(Akira)	24S811
Seminar for Advanced Researches (Spring to Winter)	Matsuno	24S812
Seminar for Advanced Researches (Spring to Winter)	Nakagawa(Takuro)	24S818

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Spring to Winter)	Sato	24S803

Fall and Winter terms

2.Lecture / Intensive Course

Day	Period	Special Integrated Science Course	International Physics Course
Mon	1		
	2		
	3		
	4	Basic Macromolecular Science A. Hashidzume, et al. 24S059 B307	
	5		
Tue	1		
	2	③Physical Organic Chemistry T. Ogawa 24S044 D301	
	3	④Biomolecular Chemistry M. Murata, S. Hanashima, Y. Umegawa 24S047 D301	
	4		
	5		
Wed	1		
	2		
	3		③Electrodynamics ◆24P041 D301
	4		
	5		
Thu	1		
	2		
	3		
	4		④Quantum Mechanics ◆24P042 B307
	5		
Fri	1		
	2	③Analytical Chemistry for Interface S.Tsukahara 24S064 B301	Computational Physics 24P040 Y.Sentoku E310
	3		Quantum Field Theory II 24P026 S.Yamaguchi B307
	4		
	5		
Intensive Course		Current Topics XI (※) 「i-biomacromolecular science」 M.Okuda 24S065 Notified on the board	
		Current Topics XVI (※) T.Takahashi 24S070 Notified on the board	

■Note 1. Class Time : The first period 8:50~10:20 The fourth period 14:40~16:10
 The second period 10:30~12:00 The fifth period 16:20~17:50
 The third period 13:00~14:30

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	Schedule Code
MC	Advanced Chemical Experiment (Fall to Summer)	Funahashi, Shimoyama	24S010 (★)
MC	Interactive Seminar (Fall to Summer)	Funahashi	24S024 (★)
MC	Basic Biology II (Fall and Winter)	Professors in Department of Biological Sciences	24S002
DC	Interactive Seminar for Advanced Research (Fall and Winter)	Funahashi	24S408

【Note】

★:For Students Enrolled Fall (Please register online for subjects at the registration period of Fall term.)

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

Special Integrated Science Course					
Program	Course	Date	Room	Teaching staff	Schedule Code
MC	Biological Science I	1/24(F)10:30~17:50	IPR Lecture Hall	Fujiwara	24S032
MC	Biological Science III	11/20(W)13:00~14:30 11/22(F)13:00~14:30 11/27(W)13:00~14:30 11/29(F)13:00~14:30	B307	Takagi (Shingo) Islam Sakamoto	24S034
MC	Biological Science V	11/ 8(F)13:00~16:10 11/15(F)13:00~16:10	IPR Lecture Hall	Shinohara Matsusaki	24S036
MC	Biological Science VII	10/ 2(W)10:30~17:50	B307	Kakimoto Takada Qian	24S038

Biological Sciences			
Program	Course	Teaching staff	Schedule Code
MC	Science Core II	Takagi(Shingo)	240954
MC	Science Core IV	Takagi(Shingo)	240973

Fall and Winter terms

3. Seminar for Master Course

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Konno	24S332
Semestral Seminar	Kajihara	24S333
Semestral Seminar	Nakatani	24S337
Semestral Seminar	Sasai	24S361
Semestral Seminar	Kobayashi(Hikaru)	24S377
Semestral Seminar	Kubo	24S378
Semestral Seminar	Fukase	24S418
Semestral Seminar	Tsukahara	24S423
Semestral Seminar	Murata	24S827
Semestral Seminar	Mizutani	24S829

International Physics Course		
Course	Teaching staff	Schedule Code
Semestral Seminar I	Kuno	24P305
Semestral Seminar I	Yamanaka	24P358
Semestral Seminar III	Kuno	24P307
Semestral Seminar III	Nomachi	24P329
Semestral Seminar III	Kikuchi	24P352
Semestral Seminar III	Aoi	24P356

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Furukawa	24S383
Semestral Seminar	Fujiwara	24S384
Semestral Seminar	Nakagawa(Takurou)	24S401
Semestral Seminar	Shinohara(Akira)	24S412
Semestral Seminar	Takagi(Jun-ich)	24S424
Semestral Seminar	Takagi(Shingo)	24S426
Semestral Seminar	Shiga	24S427
Semestral Seminar	Kon	24S428
Semestral Seminar	Matsuno	24S437
Semestral Seminar	Hikita	24S438
Semestral Seminar	Kano	24S439
Semestral Seminar	Takao	24S820

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Inoue	24S823
Semestral Seminar	Takashima	24S825

Fall and Winter terms

4. Seminar for Doctor Course

■【Students Enrolled *Fall*】

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Fall to Summer)	Sasai	24S030
Seminar for Advanced Researches (Fall to Summer)	Takao	24S325
Seminar for Advanced Researches (Fall to Summer)	Okumura	24S327
Seminar for Advanced Researches (Fall to Summer)	Tsukahara	24S330
Seminar for Advanced Researches (Fall to Summer)	Konno	24S328
Seminar for Advanced Researches (Fall to Summer)	Murata	24S413
Seminar for Advanced Researches (Fall to Summer)	Fukase	24S414
Seminar for Advanced Researches (Fall to Summer)	Taniguchi	24S808
Seminar for Advanced Researches (Fall to Summer)	Funahashi	24S810

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Fall to Summer)	Shinohara(Akira)	24S329
Seminar for Advanced Researches (Fall to Summer)	Kakimoto	24S389
Seminar for Advanced Researches (Fall to Summer)	Kurisu	24S415
Seminar for Advanced Researches (Fall to Summer)	Hiraoka	24S419

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Fall to Summer)	Hashidzume	24S385
Seminar for Advanced Researches (Fall to Summer)	Kurisu	24S388
Seminar for Advanced Researches (Fall to Summer)	Sato	24S416
Seminar for Advanced Researches (Fall to Summer)	Inoue	24S817

Physics

International Physics Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Fall to Summer)	Kuno	24P023
Seminar for Advanced Researches (Fall to Summer)	Tajima	24P318
Seminar for Advanced Researches (Fall to Summer)	Yoshida	24P340
Seminar for Advanced Researches (Fall to Summer)	Kimura	24P341
Seminar for Advanced Researches (Fall to Summer)	Ideguchi	24P345
Seminar for Advanced Researches (Fall to Summer)	Noumi	24P346
Seminar for Advanced Researches (Fall to Summer)	Hosaka	24P348
Seminar for Advanced Researches (Fall to Summer)	Toyoda	24P363
Seminar for Advanced Researches (Fall to Summer)	Nomachi	24P364
Seminar for Advanced Researches (Fall to Summer)	Fujioka	24P365