



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)】 (2016.*Spring* to *Fall*)



OSAKA UNIVERSITY

Contents

Contents	p 1
How to Read Course Schedule	p 2

Spring Semester

1. Lecture / Intensive Course	p 3
【Special Integrated Science Course (SISC)】	
【International Physics Course (IPC)】	
2. Others	p 4
【Special Integrated Science Course (SISC)】	
3. Seminar for Master Course	p 5
【Special Integrated Science Course (SISC)】	
【International Physics Course (IPC)】	
4. Seminar for Doctor Course	p 6
【Special Integrated Science Course (SISC)】	
【International Physics Course (IPC)】	

Fall Semester

5. Lecture / Intensive Course	p 7
【Special Integrated Science Course (SISC)】	
【International Physics Course (IPC)】	
6. Others	p 8
【Special Integrated Science Course (SISC)】	
7. Seminar for Master Course	p 9
【Special Integrated Science Course (SISC)】	
【International Physics Course (IPC)】	
8. Seminar for Doctor Course	p 10
【Special Integrated Science Course (SISC)】	
【International Physics Course (IPC)】	

How to Read Course Schedule

1. The six characters in red on each page indicate schedule codes for each subject.
2. Please register online for (i) subjects of Spring Semester at the registration period of Spring Semester, (ii) subjects of Fall Semester at the registration period of Fall Semester, and (iii) subjects which run for one year (Spring to Fall) at the registration period of Spring Semester, and (iv) subjects which run for one year (Fall to Spring) at the registration period of Fall Semester.
“◎” 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.
5. The registration period of each semester will be announced on the notice board.

《p 3& p 7 Intensive Course》

Although all Intensive Course are common subject 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 5& p 9 Seminar for Master Course》

Please register online for seminars for Master course at each semester as the seminars are semiannual.

《p 6& p 10 Seminar for Doctor Course》

■ For students Enrolled Spring----- p 6

Please register online for seminars for Doctor course at Spring Semester as the seminars run for one year (Spring to Fall).

■ For students Enrolled Fall----- p 10

Please register online for seminars for Doctor course at Fall Semester as the seminars run for one year (Fall to Spring).

《Notes》

The Spring Semester is a period from April to September.

The Fall Semester is a period from October to March.

Spring Semester

1.Lecture / Intensive Course

Day	Period	Special Integrated Science Course	International Physics Course
Mon	1		
	2	Topics in Inorganic Chemistry 24S048 Y. Funahashi, N. Ishikawa, T. Yoshimura D307	Introduction to Theoretical Nuclear Physics: 24P032 A. Hosaka E310
	3		
	4		Nuclear Physics in the Universe 24P031 Y. Fujita B307
	5	Advanced Macromolecular Science I 24S060 T. Sato B302	
Tue	1	Natural Product Chemistry 24S049 K. Fukase, et al. D301	
		Organic Biochemistry 24S043 Y. Kajihara D301	
	2		
	3		
	4		
Wed	1	Introductory Biology 24S057 Y. Tak B308	
	2		
	3		
	4		
	5		
Thu	1		
	2		Quantum Field Theory I 24P033 Y. Hosotani E211
	3		
	4		
	5		
Fri	1		
	2		Synchrotron Radiation Spectroscopy 24P035 S. Kimura E203
	3		
	4		
	5		
Intensive Course		Current Topics I (※) 24S014 「Lipid and Membrane Biochemistry」 Slotte Johan Peter Notified on the board	Topical Seminar II (※) 24P020 「Quantum information, Black Holes, and Holography」 B. Yoshida Notified on the board
		Current Topics II (※) 24S015 「i-biomacromolecular science」 Munsok Kim Notified on the board	
		Current Topics III (※) 24S016 「Cyclophane Chemistry- Curiosity, Creativity and Concepts」 Graham J. Bodwell 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

ILE=Institute of Laser Engineering, IPR=Institute for Protein Research

Spring Semester

2. Others

Special Integrated Science Course			
Program	Course	Teaching staff	Schedule Code
MC	Advanced Chemical Experiment (Spring to Fall)	Funahashi, Shimoyama	24S807 (◎)
MC	Interactive Seminar (Spring to Fall)	Funahashi	24S805 (◎)
DC	Interactive Seminar for Advanced Research (Spring)	Funahashi	24S407

【Note】

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

"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 XV	7/6(W),7/13(W) 13:00~16:10	D407	Henrich	24S056

3. Seminar for Master Course**Chemistry**

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Ogawa(Takuji)	24S031
Semestral Seminar	Kajihara	24S332
Semestral Seminar	Nakatani	24S336
Semestral Seminar	Fujiwara	24S354
Semestral Seminar	Murata	24S377
Semestral Seminar	Fukase	24S417

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Okada(Masato)	24S379
Semestral Seminar	Nakagawa(Takurou)	24S400
Semestral Seminar	Kakimoto	24S402
Semestral Seminar	Shinohara(Akira)	24S411
Semestral Seminar	Henrich	24S421

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Sato	24S360

International Physics Course		
Course	Teaching staff	Schedule Code
Semestral Seminar II	Kishimoto	24P016
Semestral Seminar II	Hosaka	24P302
Semestral Seminar II	Fukuda(Mitsuhiro)	24P314
Semestral Seminar II	Tajima	24P349
Semestral Seminar IV	Kuno	24P308
Semestral Seminar IV	Azechi	24P330
Semestral Seminar IV	Aoi	24P357
Semestral Seminar IV	Nomachi	24P361

Spring Semester

4. Seminar for Doctor Course

■【Students Enrolled *Spring*】

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Spring to Fall)	Takao	24S801
Seminar for Advanced Researches (Spring to Fall)	Mizutani	24S810
Seminar for Advanced Researches (Spring to Fall)	Ogawa(Takuji)	24S813
Seminar for Advanced Researches (Spring to Fall)	Murata	24S815
Seminar for Advanced Researches (Spring to Fall)	Nakatani	24S816

International Physics Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Spring to Fall)	Kuno	24P362
Seminar for Advanced Researches (Spring to Fall)	Kishimoto	24P335

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Spring to Fall)	Matsuno	24S812
Seminar for Advanced Researches (Spring to Fall)	Shinohara(Akira)	24S811
Seminar for Advanced Researches (Spring to Fall)	Nakagawa(Takuro)	24S818

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Spring to Fall)	Goto	24S817
Seminar for Advanced Researches (Spring to Fall)	Sato	24S803

Fall Semester

5.Lecture / Intensive Course

Day	Period	Special Integrated Science Course	International Physics Course
Mon	1		
	2		Quantum Many-Body Systems 24P028 TBA E304
	3		
	4		High Energy Physics 24P039 T.Yamanaka E201
	5		
Tue	1		
	2	Chemistry on Catalysis 24S042 H. Sasai D301	
	3		Condensed Matter Theory 24P037 K.M.Slevin E304
	4	Structural Organic Chemistry 24S045 T. Kubo D301	
	5		
Wed	1		
	2		
	3		Electrodynamics ※24P001 L.Baiotti D301
	4		
	5		
Thu	1		
	2		
	3		
	4		Quantum Mechanics ※24P004 L.Baiotti B307
	5		
Fri	1		
	2	Analytical Separation Chemistry 24S041 S.Tsukahara B301	
	3		Quantum Field Theory II 24P026 S. Yamaguchi B307
	4		
	5		
Intensive Course			Topical Seminar I (※) 「Dirac physics at surfaces and ultrathin materials」 T.Hirahara 24P019 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

ILE=Institute of Laser Engineering, IPR=Institute for Protein Research
※These credits cannot be used to fulfil the requirements of graduation

Fall Semester

6. Others

Special Integrated Science Course			
Program	Course	Teaching staff	Schedule Code
MC	Advanced Chemical Experiment (Fall to Spring)	Funahashi, Shimoyama	24S010 (★)
MC	Interactive Seminar (Fall to Spring)	Funahashi	24S024 (★)
DC	Interactive Seminar for Advanced Research (Fall)	Funahashi	24S408

【Note】

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

"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	11/16(W) 10:30~17:50	B307	Kitajima	24S032
MC	Biological Science II	10/14(F),10/21(F) 13:00~16:10	IPR Seminar Room	Goto	24S033
MC	Biological Science III	11/11(F),11/18(F) 13:00~16:10	B307	Takizawa	24S034
MC	Biological Science IV	10/5(F),10/12(F), 10/19(F),10/26(F) 13:00~14:30	B307	Kanazawa	24S035
MC	Biological Science V	11/2(W),11/9(W) 13:00~16:10	B307	Matsuno Yamakawa Inaki	24S036
MC	Biological Science VI	10/7(F) 10:30~17:50	IPR Seminar Room	Nakagawa(Atsushi) Yamashita	24S037

7. Seminar for Master Course**Chemistry**

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Ogawa(Takuji)	24S331
Semestral Seminar	Kajihara	24S333
Semestral Seminar	Nakatani	24S337
Semestral Seminar	Fujiwara	24S355
Semestral Seminar	Murata	24S378
Semestral Seminar	Fukase	24S418

International Physics Course		
Course	Teaching staff	Schedule Code
Semestral Seminar I	Fukuda(Mitsuhiro)	24P313
Semestral Seminar III	Kishimoto	24P017
Semestral Seminar III	Hosaka	24P303
Semestral Seminar III	Tajima	24P350

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Okada(Masato)	24S380
Semestral Seminar	Nakagawa(Takurou)	24S401
Semestral Seminar	Kakimoto	24S403
Semestral Seminar	Shinohara(Akira)	24S412
Semestral Seminar	Henrich	24S420

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Semestral Seminar	Sato	24S361

Fall Semester

8. Seminar for Doctor Course

■【Students Enrolled *Fall*】

Chemistry

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Fall to Spring)	Sasai	24S030
Seminar for Advanced Researches (Fall to Spring)	Murata	24S327
Seminar for Advanced Researches (Fall to Spring)	Konno	24S328
Seminar for Advanced Researches (Fall to Spring)	Fujiwara	24S404
Seminar for Advanced Researches (Fall to Spring)	Ogawa(Takuji)	24S406
Seminar for Advanced Researches (Fall to Spring)	Kajihara	24S413
Seminar for Advanced Researches (Fall to Spring)	Fukase	24S414
Seminar for Advanced Researches (Fall to Spring)	Ishikawa	24S422

Biological Sciences

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Fall to Spring)	Shinohara(Akira)	24S329
Seminar for Advanced Researches (Fall to Spring)	Kakimoto	24S389
Seminar for Advanced Researches (Fall to Spring)	Fujiwara	24S405
Seminar for Advanced Researches (Fall to Spring)	Kurisu	24S415

Macromolecular Science

Special Integrated Science Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Fall to Spring)	Sato	24S416

Physics

International Physics Course		
Course	Teaching staff	Schedule Code
Seminar for Advanced Researches (Fall to Spring)	Kuno	24P023
Seminar for Advanced Researches (Fall to Spring)	Hashimoto	24P317
Seminar for Advanced Researches (Fall to Spring)	Tajima	24P018
Seminar for Advanced Researches (Fall to Spring)	Kishimoto	24P340
Seminar for Advanced Researches (Fall to Spring)	Kimura	24P341
Seminar for Advanced Researches (Fall to Spring)	Azechi	24P345