Student Manual

For 2023

Graduate School of Science Osaka University

2023 Academic Calendar

| | | Month | Day | Academic Affairs & Events |
|-----------------------|----------------------------------|-------|--------------|---|
| | | | 3 (Mon) | Spring and Summer terms (including full-year courses) registration begins $(4/3 \ 9:30 \sim 4/21 \ 16:30)$ |
| | | | 3 (10011) | Submission deadline for title of Doctoral dissertation (for the review in June) |
| | | | 4 (Tue) | Entrance ceremony (Osakajo Hall) |
| | | | 6 (Thu) | Orientation for new international students of Graduate School of Science (D201) |
| | | | 10 (Mon) | Student periodic health checkups (for students in Toyonaka district) (~4/13) |
| | | 4 | 11 (Tue) | Spring and Summer terms (\sim 9/30) & Spring term (\sim 6/12) begin |
| | ۶ | | 20 (Thu) | Student periodic health checkups (for students in Suita district) (\sim 4/27) *Closed on Saturday and Sunday |
| | teri | | 24 (Mon) | Cancellation period of registration (4/24 9:30~4/28 16:30) |
| | Spring term | | 29 (Sat) | Preparation for Icho Festival |
| | Sp | | 30 (Sun) | Icho Festival (~5/1) (No classes) |
| SL | | | 1 (Mon) | Anniversary of Osaka University |
| ērm | | 5 | 2(Tue) | Cleaning up for Icho Festival (No classes) |
| er T | | | 8 (Mon) | Submission deadline for Application of Doctoral degree (for the review in June) |
| Summer Terms | | | | Final exam of Spring term (\sim 6/12) |
| l Su | | | 6 (Tue) | Summer term registration begins (6/6 9:30~6/19 16:30) |
| Spring and | | | 12 (Mon) | Spring term ends |
| ing | | 6 - | 13 (Tue) | Summer term begins (~9/30) |
| Spr | | | 22 (Thu) | Submission deadline for title of Doctoral dissertation (for the review in September) |
| | | | 27 (Tue) | Cancellation period of registration $(6/27 \ 9 \ : \ 30 \ \sim \ 7/3 \ 16 \ : \ 30)$ |
| | | 7 | 31 (Mon) | Submission deadline for Application of Doctoral degree (for the review in September) |
| | E | | 1 (Tue) | Final exam of Spring and Summer terms & Summer term (\sim 8/4, 8/8) |
| | er te | 8 | 8 (Tue) | Spring and Summer terms & Summer term end |
| | ume | | 9 (Wed) | Summer vacation begins (~9/30) |
| | Summer term | | 1 (Fri) | Grades fpr the Spring and Summer terms become available |
| | | 9 | 15(Fri) | Fall and Winter terms (including full-year courses) registration begins (9/15 9:30~10/16 16:30) |
| | | | | Submission deadline for title of Doctoral dissertation (for the review in December) |
| | | | 25 (Mon) | Commencement for Master's and Doctoral degrees |
| | | | 30 (Sat) | Summer Vacation ends |
| | | 10 - | 2 (Mon) | Fall and Winter terms (\sim 3/31) & Fall term (\sim 12/3) begins |
| | | | 17 (Tue) | Cancellation period of registration (10/17 9:30~10/23 16:30) |
| | | | 2 (Thu) | Preparation for Machikane Festival (No classes) |
| | E | | 3 (Fri) | Machikane Festival (~11/5) (No classes) |
| | Fall term | 11 | 6(Mon) | Cleaning up for Machikane Festival (No classes) |
| | Fa | | 0(1001) | Submission deadline for Application of Doctoral degree (for the review in December) |
| | | | 21 (Tue) | Final exam of Fall term (11/22,11/29~12/1) |
| S | | | 27(Mon) | Winter term registration begins(11/27 9:30 \sim 12/8 16:30) |
| erm | | | 3 (Sun) | Fall term ends |
| ter t | | 12 | 4 (Mon) | Winter term begins (~3/31) |
| Win | | 12 | 18 (Mon) | Cancellation period of registration $(12/18 \ 9 \ : \ 30 \ \sim 12/22 \ 16 \ : \ 30)$ |
| , pu | | | 26 (Tue) | Winter vacation (~1/3) |
| Fall and Winter terms | | | 4 (Thu) | Recommencement of classes |
| μĒ | 1 5 (Fri) 12 (Fri) 29(Mon) | | 5 (Fri) | Submission deadline for title of Doctoral dissertation (for the review in March) |
| | | | 12 (Fri) | Preparation for The Common Test for University Admissions (No classes) |
| | inte | | 29(Mon) | Application priod for Final Exam (Degree application) of the Master's program and the Ph.D. program (~1/30) |
| | \geq | | 1 (Thu) | Final exam of Fall and Winter terms, Winter term (2/1, 2/5 \sim 2/8) |
| | | 2 | 8 (Thu) | Fall and Winter terms & Winter term end |
| | | | End of month | Acceptance of research progress reports (except for the Master's and the Ph.D. students due to graduate) |
| | | 3 - | 15 (Fri) | Announcement of graduating students (the Master's and the Ph.D. program) |
| | | Ŭ | 25 (Mon) | Commencement for Master's and Doctoral degrees (Osakajo Hall) |

Graduate School of Science Academic Calendar 2023

Circled numbers indicate the class session number

 \bigcirc : term subjects \bigcirc : semester subjects

| Month/Day | SUN | MON | TUE | WED | THU | FRI | SAT | Month/Day | SUN | MON | TUE | WED | THU | FRI | SAT |
|-----------|-----|--------------------|----------------------------------|--------------------|-------------------------|--------------------|-----|-----------|-------|------------------|------------------|-------------------------|----------------------|--------------|------|
| 2023 | | | | | | | | 2023 | | 11 | 11 | 11 | 11 | 11 | |
| | | | _ | | Orientation for | | 1 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 2 | 3 | Entrance Ceremony 4 | 5 | new students | 7 | 8 | | 8 | 9 | 22 10 | 22 11 | 22 12 | 22 13 | 14 |
| | 2 | 5 | 1 1 | 1 1 | 0 11 | 1 1 | 0 | | 0 | 22 | 33 | 3 3 | 33 | 3 3 | 14 |
| | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| April | | 1 | 22 | 22 | 22 | 22 | | October | | 33 | 44 | (4) | 44 | 44 | |
| | 16 | 17 | 18 | 19 | 20 | 21 | 22 | | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 22 | 22 | 33 | 3 3 | 33 | 33 | 20 | | 20 | (4) | 55 | | | | |
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | 29 | 30 | 31 | | | | |
| | 30 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 5 5 | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | | | | | 1 | 2 | 3 | 4 |
| | | 33 | 44 | 44 | 44 | 44 | | | | | 66 | 66 | 55 | 55 | |
| | 7 | <u>8</u> (4)(4) | 9 55 | 10 55 | 11 55 | 12 55 | 13 | | 5 | 6 55 | 7 ⑦⑦ | 8 ⑦⑦ | 9 66 | 10 66 | 11 |
| May | 14 | 44 15 | 33 16 | 3 3 17 | 33 18 | 33 19 | 20 | November | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| , | | 5 5 | 66 | 66 | 66 | 66 | | | | 66 | 8Ex8 | 8Ex8 | - | ? 7 | |
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | 28 | 66 29 | ⑦⑦ 30 | ⑦⑦ 31 | | | | | 26 | ⑦⑦ 27 | ⑦⑦※2 28 | <pre> ⑧Ex⑧※ 3 29 </pre> | 8Ex 8 30 | | |
| | 20 | 29 | | | | | | | 20 | | | | ursday on | 11/28 | |
| | | | | | | | | | | ×3 № | 1ake-up c | lass & exa | m for Mon | iday on 1 | 1/29 |
| | | | | | $\overline{\mathbf{O}}$ | 00 | | | | | | | | 8Ex 8 | |
| | | 00 | 8Ex8 | 8Ex 8 | 1 ⑧Ex⑧ | 2 ⑧Ex⑧ | 3 | | | 19 | 19 | 19 | 19 | 1 | 2 |
| | 4 | 5 | 6 | 8 E X 8 | ®EX ® | 9 | 10 | | 3 | 4 | 5 | 6 | 1 7 | 8 | 9 |
| June | | 8Ex8 | 19 | 19 | 19 | 19 | | December | - | 210 | 210 | 210 | 210 | 210 | |
| | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 18 | 19 19 | 210 20 | 210 21 | 210 22 | 210 23 | 24 | | 17 | 31) 18 | 31) 19 | 31) 20 | 31) 21 | 31) 22 | 23 |
| | 10 | 210 | 31 | 31 | 31 | 31) | 24 | | 17 | 412 | 19 | 20 | 21 | 22 | 23 |
| | 25 | 26 | 27 | 28 | 29 | 30 | | | 24/31 | 25 | 26 | 27 | 28 | 29 | 30 |
| | | | | | | | | 2024 | | | | | (4) | 412 | |
| | | | | | | | 1 | | | 1 | 2 | 3 | 4 | 5 | 6 |
| | 2 | 311) 3 | 412 4 | ④⑫ 5 | ④ ⑫ 6 | ④⑫ 7 | 8 | | 7 | 8 | 412 9 | ④⑫ 10 | 513 11 | 12 | 13 |
| | 2 | 4 12 | 513 | 513 | 513 | 513 | 0 | | 7 | 513 | 513 | 513 | 614 | 513 | 15 |
| July | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | | | 614 | 614 | 614 | 614 | | January | | 614 | 614 | 614 | Z 15 | 614 | |
| | 16 | 17 | 18 | 19 | 20 | 21 | 22 | | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| | 23 | \$® 24 | ⑦⑮ 25 | ⑦⑮ 26 | ⑦⑮ 27 | ⑦⑮ 28 | 29 | | 28 | ⑦⑮ 29 | ⑦⑮ 30 | ⑦⑮ 31 | | | |
| | | 614 | | - | exam for Mor | | | | | - | | | for Frida | v on 2/8 | 1 |
| | 30 | 31 | | - | | - | | | | | | | | - | |
| | | | ®Ex Ex | ®Ex Ex 2 | ®Ex Ex 3 | ⑧Ex Ex 4 | 5 | | | | | | 8ExEx | ⑦⑮ 2 | 3 |
| | | 7 15 | 1 ®Ex Ex※1 | | 5 | + | | | | <pre>⑧ExEx</pre> | <pre>⑧ExEx</pre> | <pre>⑧ExEx</pre> | 1 ®ExEx ※4 | ۷ | 5 |
| August | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Echanor | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| August | 13 | 14 | 15 | 16 | 17 | 18 | 19 | February | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | 20 | 21 | 22 | 23 | 24 | 25 | 26 | | 10 | 19 | 20 | 21 | 22 | 23 | 24 |
| | | | | | | 25 | 20 | | 18 | | | | | 23 | 24 |
| | 27 | 28 | 29 | 30 | 31 | | | | 25 | 26 | 27 | 28 | 29 | | |
| | | | | | | 1 | 2 | | | | | | | 1 | 2 |
| | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| September | 10 | 11 | 12 | 13 | 14 | 15 | 16 | March | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | | | | | | | | | |
| | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | 24/31 | 25 | 26 | 27 | 28 | 29 | 30 |



=Sat, Sun, National Holidays, or the University's scheduled holidays



=Special holidays for university events and entrance examinations

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1) Taking courses

① Information for all students (IPC program and SISC program)

Students must obtain a certain number of credits in order to graduate (graduation credits). However, not all courses can offer you graduation credits. Below are some rules.

- In order to earn graduation credits from courses offered in a program, department, or graduate school different from yours, students need to obtain permission from their supervisor.
- In any case, graduation credits cannot be obtained by taking Japanese language courses in a different department, school, or graduate school.

② International Physics Course

(Physics)

A. Master Course

A master's degree is awarded to a student who has acquired a total of 30 credits during the master course, including no less than 12 credits from courses and 4 Semestral Seminars (offered by their supervisor) for 18 credits.

Permission of one's supervisor is not necessary to obtain graduation credits from courses organized by the Department of Physics, including those organized mainly for doctoral students.

For a student who has shown exceptional research performance, a period of enrollment of only 1.5 years may be deemed sufficient (special permission necessary). Also in this case, the student needs to acquire a total of 30 credits to complete the program, including no less than 16.5 credits of courses and 3 Semestral Seminars for 13.5 credits.

B. Doctor Course

One Seminar for Advanced Research in each year and at least two Topical Seminars are required to complete the doctor course.

%If you have any questions about taking courses, please contact the following members.

Prof. Hosaka [hosaka@rcnp.osaka-u.ac.jp]

Prof. Koshino [koshino@phys.sci.osaka-u.ac.jp]

Associate Prof. Baiotti [baiotti@ipc.phys.sci.osaka-u.ac.jp]

Office of International Physics Course (IPC) [ipc-office@ipc.phys.sci.osaka-u.ac.jp]

③Special Integrated Science Couse

(Chemistry)

A. Master's Program

Students in the master course need to take a total of 31 or more credits: 12 or more credits from lectures and 18 credits from Semestral Seminars, and 1 credit from Interactive Seminar or

Advanced Chemical Experiment.

B. Ph. D. Program

Students in the doctor course need to take a total of 12 or more credits: 2 or more credits from lectures and 9 credits from Seminar for Advanced Researches, and 1 credit from Interactive Seminar for Advanced Research.

(Biological Sciences)

A. Master's Program

Students in the master course need to take a total of 32 or more credits: 14 or more credits from lectures and 18 credits from Semestral Seminars.

Students are encouraged to take a subject of Science Cores appropriate to each academic year unless they have a special reason not to, such as doing research in a remote area.

B. Ph. D. Program

Students in the doctor course need to take a total of 11 or more credits: 2 or more credits from lectures and 9 credits from Seminar for Advanced Researches.

Students are encouraged to take a subject of Science Cores appropriate to each academic year unless they have a special reason not to, such as doing research in a remote area. However, credits earned from taking Science Cores cannot be applied to completion requirements.

(Macromolecular Science)

A. Master's Program

Students in the master course need to take a total of 30 or more credits: 12 or more credits from lectures and 18 credits from Semestral Seminars.

B. Ph. D. Program

Students in the doctor course need to take a total of 11 or more credits: 2 or more credits from lectures and 9 credits from Seminar for Advanced Researches.

% If you have any questions about taking courses, please consult with the professor in charge of the curriculum in each department.

Special Integrated Science Course

Department of Chemistry Prof. Funahashi (funahashi@chem.sci.osaka-u.ac.jp)

Department of Biological Sciences Prof. Furuya [hfuruya@bio.sci.osaka-u.ac.jp]

Department of Macromolecular Science Prof. Hashidzume [hashidzume@chem.sci.osaka-u.ac.jp]

2) Registration Procedure

Please register online (by using KOAN) for courses.

URL <u>https://koan.osaka-u.ac.jp/</u>

No registration or changes of registration is permitted after the online registration period.

Spring term, Summer term, Spring and Summer terms, Full-year courses offered from the spring term through to the winter term: Online registration period: April 6 (Thu) 14:00 – April 21 (Fri) 16:30 Cancellation period of registration: April 24 (Mon) 9:30 - April 28 (Fri) 16:30 Course registration confirmation table submission period: April 24 (Mon) - June 30 (Fri)*

Summer term:

Online registration period: June 6 (Tue) 9:30 – June 19 (Mon) 16:30 Cancellation period of registration: June 27 (Tue) 9:30 - July 3 (Mon) 16:30

Fall term, Winter term, Fall and Winter terms,

Full-year courses offered from the fall term through to the summer term: Online registration period: September 15 (Fri) 9:30 - October 16 (Mon) 16:30 Cancellation period of registration: October 17 (Tue) 9:30 - October 23 (Mon) 16:30 Course registration confirmation table submission period: TBA*

Winter term:

Online registration period: November 27 (Mon) 9:30 - December 8 (Fri) 16:30 Cancellation period of registration: December 18 (Mon) 9:30 – December 22 (Fri) 16:30

*Details will be announced on the notice board.

In order to apply the credits earned by taking courses offered in the different course, departments or graduate schools other than yours to your completion requirements, you need to submit the course registration confirmation table with your supervisor's name seal to the Office of Graduate School of Science. For the current students, if you have already earned some credits in previous semesters, please issue the transcript by using the automated certificate issuing machines and show your instructor when you discuss about your completion requirements.

3) Syllabi

The Graduate School of Science posts the syllabi online. Please visit our website at the URL address below for more information:

KOAN:

https://koan.osaka-u.ac.jp/syllabus_ex-e/campus

4) Charts of subjects & academic staffs in 2023

International Physics Course

Master Course

| | | Ter | ms | | | | | |
|--|--------|--------|----|--------|---------|--|--|--|
| Courses | Spring | Summer | | | Credits | Teaching staff | Remarks | |
| Electrodynamics and Quantum Mechanics | | | 0 | | 1 | BAIOTTI Luca | * These credits cannot be used to fulfil the requirements of graduation | |
| Quantum Field Theory I | (| C | | | 2 | NISHIOKA Tatsuma | | |
| Quantum Field Theory II | | | (| C | 2 | ONOGI Tetsuya | | |
| Theoretical Particle Physics | | | (| C | 2 | KANEMURA Shinya | | |
| Introduction to Theoretical Nuclear Physics | | | | | 2 | HOSAKA Atsushi | Biennially | |
| Quantum Many-body Systems | | | | | 2 | OGAWA Tetsuo | Biennially | |
| Condensed Matter Theory | | | | | 2 | SLEVIN Keith Martin | Biennially | |
| Solid State Theory | (| C | | | 2 | KUROKI Kazuhiko | Biennially | |
| High Energy Physics | | | (| D C | 2 | AOKI Masaharu | Biennially | |
| Nuclear physics in the Universe | (| C | | | 2 | OTA Shinsuke | | |
| Optical Properties of Matter | | C | | | 2 | KIMURA Shinichi, KANEMATSU Yasuo, WATANABE Hiroshi | Biennially | |
| Synchrotron Radiation Spectroscopy | | | | | 2 | KIMURA Shinichi | Biennially | |
| Computational Physics | | | (|)) | 2 | SENTOKU Yasuhiko , SANO Takayoshi | Biennially | |
| Radiation science in the environment | | C |) | | 1 | AOI Nori, TAKAHASHI Masaomi, OKADA Michio, HOSAKA Atsushi | | |
| Cosmology | | | | | 2 | NAGAMINE Kentaro | Biennially | |
| High Energy Astrophysics | (| Ċ | | | 2 | INOUE Yoshiyuki | Biennially | |
| Semestral Seminar I | | | (| C | 4.5 | Professors in Department of Physics | | |
| Semestral Seminar II | (| C | | | 4.5 | Professors in Department of Physics | | |
| Semestral Seminar III | | | (| C | 4.5 | Professors in Department of Physics | | |
| Semestral Seminar IV | (| C | | | 4.5 | Professors in Department of Physics | | |

Note: A course without any indication of its term is not to be offered in this academic year.

Doctor Course

| | | Ter | ms | | | | | |
|---|--------|--------|------|--------|---------|--|------------------------------------|--|
| Courses | Spring | Summer | Fall | Winter | Credits | Teaching staff | Remarks | |
| Topical Seminar I 「What's the matter with antimatter? -Science and technology of antimatter-」 | 0 | | | | 1 | Makoto Fujiwara, Senior Scientist, TRIUMF | Intensive Course (MC•DC common) | |
| Topical Seminar II 「Non-equilibrium physics」 | | | (| D | 1 | Ryo Hanai, Assistant Professor, Yukawa Institute for Theoretical Physics, Kyoto University | Intensive Course (MC・DC common) | |
| Topical Seminar III | | | | 1 | | Intensive Course (MC•DC common) | | |
| Topical Seminar IV | | | | | 1 | | Intensive Course (MC•DC common) | |
| Seminar for Advanced Researches | | 0 | | | 9 | | | |

Note: A course without any indication of its term is not to be offered in this academic year.

Special Integrated Science Course

Master Course

| Courses | | erms | Credits | Teaching staff | Remarks |
|--------------------------------------|---------------|------------------|---------|--|----------------------|
| | Spring Summer | r Fall Winter | | | |
| Basic Biology I | 0 | | 2 | Professors in Department of Biological Sciences | Course in Laboratory |
| Basic Biology II | | 0 | 2 | Professors in Department of Biological Sciences | Course in Laboratory |
| Introductory Biology | 0 | | 2 | ISLAM Md Sayeedul | |
| Biological Science I | | 0 | 0.5 | SHINOHARA Akira, ITO Masaru | |
| Biological Science II | | | 0.5 | | |
| Biological Science III | | 0 | 0.5 | FURUKOHRI Asako | |
| Biological Science IV | | | 0.5 | | |
| Biological Science V | Ö | | 0.5 | NAKAGAWA Takuro | |
| Biological Science VI | | | 0.5 | | |
| Biological Science VII | | 0 | 0.5 | PHNG Li-Kun | |
| Biological Science VIII | | | 0.5 | | |
| Biological Science IX | | 0 | | MIZUGUCHI Kenji, NAGAO Chioko, WATANABE Reiko | |
| Biological Science X | | Ť | 0.5 | | |
| - | | 0 | | | |
| Biological Science XI | | | | KAWAGUCHI Kyogo | |
| Biological Science XII | | | 0.5 | | |
| Biological Science XIII | ↓ ↓ | + $+$ $-$ | 0.5 | | |
| Biological Science XIV | ↓ | ↓ | 0.5 | | |
| Biological Science XV | ļl | | 0.5 | | |
| Basic Macromolecular Science | | 0 | 2 | YAMAGUCHI Hiroyasu, et al. | |
| Advanced Macromolecular Science I | | | 2 | YAMAGUCHI Hiroyasu et al. | |
| Advanced Macromolecular Science II | 0 | | 2 | TAKASHIMA Yoshinori et al. | |
| Bio/Chemoinformatics | 0 | | 1 | MIZUGUCHI Kenji, HASHIMOTO Kosuke, NAGAO Chioko,WATANABE Reiko | |
| Biomolecular Chemistry | | | 1 | MURATA Michio, HANASHIMA Shinya, UMEGAWA Yuichi | |
| Analytical Chemistry for Interface | | 0 | 1 | TSUKAHARA Satoshi | |
| Complex Molecular Chemistry | | 0 | 1 | SUZUKI Takayoshi | |
| | | | | NAKATANI Kazuhiko, DOHNO Chikara, MURATA Asako, | |
| Genome Chemistry | | | 1 | SHIBATA Tomonori, YAMADA Takeshi | |
| Natural Product Chemistry | | | 1 | FUKASE Kouichi, KABAYAMA Kazuya | |
| Organic Biochemistry | 0 | | 1 | KAJIHARA Yasuhiro, OKAMOTO Ryo | |
| - | | | 1 | TAKAO Toshifumi, HOJO Hironobu, KAWAKAMI Toru | |
| Protein Chemistry | | | 1 | | |
| Quantum Chemistry | | | | OKUMURA Mitsutaka | |
| Structural Organic Chemistry | | | 1 | KUBO Takashi | |
| Topics in Inorganic Chemistry | | 0 | 1 | FUNAHASHI Yasuhiro, ISHIKAWA Naoto, YOSHIMURA Takashi | |
| Thermal and Entropic Science | 0 | | 1 | NAKANO Motohiro | |
| Advanced Chemical Experiment | | 0 | 1 | FUNAHASHI Yasuhiro, SHIMOYAMA Atsushi | |
| Radiation science in the environment | | 0 | 1 | AOI Nori, TAKAHASHI Masaomi,Okada Michio,HOSAKA Atsushi | |
| Current Topics I | | 0 | 1 | ТВА | Intensive Course |
| Current Topics II | 0 | ↓ ↓ | 1 | JUSZYNSKA-GALAZKA EWA | Intensive Course |
| Current Topics III | 0 | ↓ ↓ ↓ ↓ ↓ | 1 | ТВА | Intensive Course |
| Current Topics IV | | | 1 | | Intensive Course |
| Current Topics V | | | 1 | | Intensive Course |
| Current Topics VI | | | 1 | | Intensive Course |
| Current Topics VII | | | 1 | | Intensive Course |
| Current Topics VIII | | | 1 | | Intensive Course |
| Current Topics IX | | | 1 | | Intensive Course |
| Current Topics X | | | 1 | | Intensive Course |
| Current Topics XI | Ó | | 1 | OLAF KARTHAUS | Intensive Course |
| Current Topics XII | | | 1 | | Intensive Course |
| Current Topics XIII | | | 1 | | Intensive Course |
| Current Topics XIV | | | 1 | | Intensive Course |
| Current Topics XV | 1 | 1 1 | 1 | | Intensive Course |
| Current Topics XVI | <u> </u> | 0 | 1 | KINOSHITA Michiyo | Intensive Course |
| Current Topics XVI | <u> </u> | $\overline{1}$ | 1 | | Intensive Course |
| | ┼──┤── | + + | | | |
| Current Topics XVIII | ╂───┤─── | + $+$ $-$ | | | Intensive Course |
| Current Topics XIX | ↓ | | 1 | | Intensive Course |
| Current Topics XX | | | 1 | | Intensive Course |
| nteractive Seminar | | 0 | 1 | FUNAHASHI Yasuhiro | |
| | | | 4.5 | | |
| Semestral Seminar | 0 | | 4.5 | | |

Note: A course without any indication of its term is not to be offered in this academic year.

Doctor Course

| | | Ter | rms | | | | | |
|--|--------|--------|------|--------------------|---------|-----------------------|------------------|--|
| Courses | Spring | Summer | Fall | Winter | Credits | Teaching staff | Remarks | |
| Current Topics I | | | (| Ó | 1 | ТВА | Intensive Course | |
| Current Topics II | (| C | | | 1 | JUSZYNSKA-GALAZKA EWA | Intensive Course | |
| Current Topics III | (| C | | | 1 | ТВА | Intensive Course | |
| Current Topics IV | | | | | 1 | | Intensive Course | |
| Current Topics V | | | | | 1 | | Intensive Course | |
| Current Topics VI | | | | | 1 | | Intensive Course | |
| Current Topics VII | | | | | 1 | | Intensive Course | |
| Current Topics VIII | | | | | 1 | | Intensive Course | |
| Current Topics IX | | | | | 1 | | Intensive Course | |
| Current Topics X | | | | | 1 | | Intensive Course | |
| Current Topics XI | (| C | | | 1 | OLAF KARTHAUS | Intensive Course | |
| Current Topics XII | | | | | 1 | | Intensive Course | |
| Current Topics XIII | | | | | 1 | | Intensive Course | |
| Current Topics XIV | | | | | 1 | | Intensive Course | |
| Current Topics XV | | | | | 1 | | Intensive Course | |
| Current Topics XVI | | |) | _ | 1 | KINOSHITA Michiyo | Intensive Course | |
| Current Topics XVII | | | | | 1 | | Intensive Course | |
| Current Topics XVIII | | | | | 1 | | Intensive Course | |
| Current Topics XIX | | | | | 1 | | Intensive Course | |
| Current Topics XX | | | | | 1 | | Intensive Course | |
| Interactive Seminar for Advanced Research | 0 | | 1 | FUNAHASHI Yasuhiro | | | | |
| Seminar for Advanced Researches | | C |) | | 9 | | | |

Note: A course without any indication of its term is not to be offered in this academic year.

7

5) Student Counseling

Both the Graduate School of Science and the School of Science have a counseling system through which a counselor helps students with various issues and problems regarding their studies, campus life, health, and other matters. If you cannot solve these problems by yourself, counselors in Graduate School of Science and School of Science can help you besides your family or your friends. Our counseling service consists of 1)-7) independent sections. If you are carrying any trouble and don't know what to do, don't hesitate to talk with our counselors. <u>Any consultation sections are OK to contact</u>. All of them will respond appropriately. You can choose any counselors whom you feel easy to talk to, regardless of the contents of a consultation.



https://www.sci.osaka-u.ac.jp/ja/campuslife/studentsupport/

Besides the consultation contact of Graduate School of Science and the School of Science, the University also has a consultation system shown in 8) \sim 10). **The consultation is guaranteed to be confidential**.

1. Counselors of Graduate School of Science & School of Science

The instructors having a role of a counselor give advice or support to the students in Graduate School of Science and the School of Science in order to solve any problems. Feel free to talk with any counselors regardless of the contents of the department or major. You can contact them by phone and also by E-mail. Just contact them no matter how small your matter is.

Email:sodan@sci.osaka-u.ac.jp

| School / | Department | Position | Name | Contact/06- |
|-----------|----------------------------|----------------------------------|---------------------------------------|------------------------|
| Math | ematics | Professor Associate Professor | WATANABE Takao BABA Shinpei | 6850-5706 6850-5315 |
| | Physics | Professor Professor | KUDO Kazutaka AOKI Masaharu | 6850-5755 6850-5564 |
| Physics | Earth and Space Science | Professor Associate Professor | HATANO Takahiro YOKOTA Shoichiro | 6850-5589 6850-5496 |
| | Chemistry | Professor Associate Professor | KAJIHARA Yasuhiro KATO Hiroyuki | 6850-5380 6850-6570 |
| Chemistry | Macromolecular Science | Professor Lecturer | AOSHIMA Sadahito KAWAGUCHI Tatsuya | 6850-5448 6850-5454 |
| Biologic | al Sciences | Professor Associate Professor | OH-OKA Hirozo NAKAI Masato | 6850-5424 6879-8612 |

The Counselors of Graduate School of Science & School of Science As of April 2023

2. General Counseling Room at School/ Graduate School of Science

The Graduate School of Science has its "General Counseling Room," that is open to all of our graduate and undergraduate students. You can come in and consult to our counselors about any questions, issues, or problems you may have regarding studies, academic subject matters, interpersonal relationships, and other general matters of student life. When you don't know to whom you should talk or when you don't even know exactly how to phrase your problem, please come in and start talking to our counselor.

The General Counseling Room is basically open when classes are held (expect Friday). It is located at Room E-217 on the second floor of Building-E of the Graduate School of Science. Counseling may be conducted in a different location. E-mail counseling and the appointments via E-mail are also welcome.

Email: nandemo@sci.osaka-u.ac.jp

The counselor of General Counseling Room at Graduate School of Science & As of April 2023

| Position | Name | Contact |
|-------------------------------|-----------------|--------------|
| Specially Appointed Professor | AKUTSU Yasuhiro | 06-6850-5348 |

3. Campus Life Support Center

An expert consultant at School /Graduate School of Science and School/ Graduate School of Engineering Science provide confidential counseling services for students. Campus Life Support Center is a place where you can easily talk not only about your worries and problems, but also about your future dreams and your thoughts. If necessary, Campus Life Support Center can introduce you to other consultation desks and work with them for you. Whenever you need to talk about anything - no matter how trifling it is - please do not hesitate to come to the Campus Life Support Center.

If you make a reservation by free mail e.g. Gmail, the reply mail from the Support Center may be sent to junk mail folder. If you do not receive any reply from Support Center, please contact again with another email address. Since Email address is subject to change, please check the website for the latest Email adress.

Email:support_rk@ad.es.osaka-u.ac.jp

The counselor of Campus Life Support Center at Graduate School of Science As of April 2023

| Name | Office | Contact | | | | | | | | |
|-------------------|---|--------------------------------|--|--|--|--|--|--|--|--|
| ∗UEHARA Hideko | Room #602, 6th floor, Interdisciplinary Building, Toyonaka Campus | support_rk@ad.es.osaka-u.ac.jp | | | | | | | | |

*Certified Public Psychologist, Certified harassment counselor

4. The Instructors for Career Support at Graduate School of Science & School of Science

You can get the advice about work from the instructors of your School/Graduate of Science. Since the each tenure is different, please check the website for the latest members.

The Instructors for Career Support at Graduate School of Science & School of Science As of April 2023

| School | /Department | Position | Name | Contact 06-6850- | E-mail + sci.osaka-u.ac.jp | |
|---------------------------------|--------------|--------------|-----------------------|---------------------|-------------------------------|--|
| Mat | hematics | Professor | — | | shushoku@math. | |
| | Physics | | | | | |
| Physics Earth and Space Science | | Professor | AOKI Masaharu | 5564 | aokim@phys. | |
| Chemistry | Oh anaistas | | OKUMURA | 5404 | ok@chem. | |
| Chemistry | Chemistry | Professor | Mitsutaka | 5404 | | |
| - Macromolecular Science | | Professor | YAMAGUCHI Hiroyasu | 5460 | hiroyasu@chem. | |
| Biologio | cal Sciences | Assoc. prof. | NAGAO Koji | 6768 | nagao@bio. | |

5. Career Support Room at Graduate School of Science & School of Science

The Career Support Room is open 16:00-20:00 every Monday. (Closed in August and September.) You can get check your job application, a mock interview or career counseling at this Office. (Appointments required.) Even on the day, you can consult if there is a vacancy in the reservation.

The Counselor of Career Support Room in Graduate School of Science & As of April 2023

| CDA(Career Development Advisor), industrial Courseloi | | | | | | | | | |
|---|--------------------------------|-----------------------------------|--|--|--|--|--|--|--|
| Name | Office | Contact | | | | | | | |
| *NOMURA Fumiko | B224 | 06 6950 6111 | | | | | | | |
| | 2nd floor, Science Building B, | 06-6850-6111 (Ext. 2355, 2400) | | | | | | | |
| | Graduate School of Science | (EXI. 2355, 2400) | | | | | | | |

*CDA(Career Development Advisor), Industrial Counselor

6. Counseling Room for Foreign Students at Graduate School of Science & School of Science

The counselors for foreign students give support and advices to foreign students in English concerning various issues and problems in their life in Japan about the studies, campus life, health, and other matters. If you have any problems, feel free to talk with our counselors. You can call or send them e-mail; also you can talk with them directly.

If you want to have a consultation in the Counseling Room, please make an appointment by e-mail. In addition, each department has faculty counseling staff for foreign students, and there is a counseling staff at the Advisement Office for International Students for problems in your life in Japan.

Email : foreign@sci.osaka-u.ac.jp

The Counselor for Foreign Students at Graduate School of Science & School of Science As of April 2023

| Position | Name | Contact | |
|----------|------------|--------------|--|
| Lecturer | KAMON Yuri | 06-6850-8169 | |

The Counseling Staff at Advisement Office for International Students (Ryugakusei Soudanshitsu) As of April 2023

| Name | Office | |
|------------|--|--|
| GOTO Chisa | International Exchange Salon D201, 2nd floor | |
| | Science Building D, Graduate School of Science | |

The Instructors for Foreign Students at Graduate School of Science & As of April 2023

| School | l/Department | Position | Name | Contact 06-6850- |
|-----------|----------------------------|------------------------|--------------------|---------------------|
| Mat | thematics | Professor | TAKAHASHI Atsushi | 5304 |
| Physics | Physics | Professor | KOSHINO Mikito | 5742 |
| | Earth and Space Science | Associate Professor | YOKOTA Shoichiro | 5496 |
| Chemistry | Chemistry | Professor | FUNAHASHI Yasuhiro | 5767 |
| | Macromolecular Science | Associate Professor | URAKAWA Osamu | 5458 |
| Biologi | cal Sciences | Associate Professor | NAKAGAWA Takuro | 5432 |

7. Harassment Counselors

As a part of preventive measures for harassment, we have special counselor service in Graduate School of Science & School of Science. Counselors offer consultations and take care of complaints on harassment. Unfortunately if you are subjected to any harassment, please talk with your friends or your family, and also the harassment counselors. The counselors will consult with sincerity. Department

counselors may refer the case to the University counselor, with the consent of the student, if they consider the case to be more appropriately dealt with by the latter. Feel free to talk with any counselors no matter which department or major you belong to.

The Harassment Counselors at Graduate School of Science & School of Science As of April 2023

| Department | Position | Name | Contact 06-6850- |
|--|------------------------|----------------|---------------------|
| Mathematics | Professor | WATANABE Takao | 5706 |
| Physics · Earth and Space Science | Associate Professor | ODAHARA Atsuko | 5744 |
| Chemistry • Macromolecular Science | Associate Professor | URAKAWA Osamu | 5538 |
| Biological Sciences | Lecturer | INAKI Mikiko | 5805 |

*There are also counselors in the administrative office. (The latest information is on the website of Graduate School of Science & School of Science)

https://www.sci.osaka-u.ac.jp/inside/opinion/harrasment/

8. Campus Life Health Support / Consultation Center Consultation support department (whole university)

Health and Counseling Center provides counseling services to help students solve their problems. This center consists of 3 units: Student Counseling, Accessibility Services and Peer activity support.

Campus Life Health Support / Consultation Center https://hacc.osaka-u.ac.jp/ja/



OStudent Counseling Room

Our experienced counselors are always ready to talk with any of our students about their issues and concerns.

Please refer to the Website of the counseling date/time and other details. https://hacc.osaka-u.ac.jp/ja/home/sosiki/gakusou/

OStudent Accessibility Services

This section provides advice and information not only to students with disabilities but also to all students who are having difficulty in college life.

https://hacc.osaka-u.ac.jp/ja/home/sosiki/sodansien/acs/

OPeer activity support

In addition to academic, career, and interpersonal problems, we provide counseling on various issues in student life, such as cults, consumer problems, circle activities, and financial problems.

https://hacc.osaka-u.ac.jp/ja/home/sosiki/piatomo/

9. Campus Life Health Support / Consultation Center Harassment Counseling Room (whole university)

Osaka University aims to be a harassment-free university. In addition to the counselors in 7 above, professional counselors are available to help solve problems. If you or anyone is suffering from harassment, don't be afraid to come to talk with us. When you come to Counseling Room, please give a prior call and make an appointment.

Please refer to the website for details about counseling date and time **https://www.osaka-u.ac.jp/en/campus/life/prevention_sh/prevention_sh**

10. Career Center (whole university)

In this unit, career counseling staffs are available to offer advice during the service hours. Please come to Career Counseling Unit after prior appointment by online.

Career Center : http://career.osaka-u.ac.jp/

Reservation system: https://cs-web.osaka-u.ac.jp/soudan/student/

