Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
OBTW211	Informatics Seminar a1	2	1.0	1, 2	FallABC	by request		Yoshida Yuko, Suzuki Nobutaka, Teruyama Junko, Main academic advisors and secondary academic advisors of Doctoral Program in Informatics	In order to develop human resources who can solve various problems in the information society by the interdisciplinary approach of humanities and sciences, main academic advisors and secondary academic advisors of the Degree Program in Informatics provide research guidance based on the specialized knowledge of the individual disciplines of informatics in an interactive form to students of the Doctoral Program in Informatics. Students have opportunities to get advice on research for their doctoral dissertation beyond the laboratory by presenting the progress of research in front of multiple faculty members. Informatics Seminar a will be offered in the Fall Module.	In every year, classes are taught in Japanese and English; Research Seminar Courses Online(Asynchronous). Online(Synchronous)
OBTW212	Informatics Seminar a2	2	1.0	1, 2	FallABC	by request		Yoshida Yuko, Suzuki Nobutaka, Teruyama Junko, Main academic advisors and secondary academic advisors of Doctoral Program in Informatics	In order to develop human resources who can solve various problems in the information society by the interdisciplinary approach of humanities and sciences, main academic advisors and secondary academic advisors of the Degree Program in Informatics provide research guidance based on the specialized knowledge of the individual disciplines of informatics in an interactive form to students of the Doctoral Program in Informatics. Students have opportunities to get advice on research for their doctoral dissertation beyond the laboratory by presenting the progress of research in front of multiple faculty members. Informatics Seminar a will be offered in the Fall Module.	In every year, classes are taught in Japanese and English; Research Seminar Courses Online(Asynchronous). Online(Synchronous)
OBTW213	Informatics Seminar b1	2	1.0	1, 2	SprABC	by request		Yoshida Yuko, Suzuki Nobutaka, Teruyama Junko, Main academic advisors and secondary academic advisors of Doctoral Program in Informatics	In order to develop human resources who can solve various problems in the information society by the interdisciplinary approach of humanities and sciences, main academic advisors and secondary academic advisors of the Degree Program in Informatics provide research guidance based on the specialized knowledge of the individual disciplines of informatics in an interactive form to students of the Doctoral Program in Informatics. Students have opportunities to get advice on research for their doctoral dissertation beyond the laboratory by presenting the progress of research in front of multiple faculty members. Informatics Seminar b will be offered in the Spring Module.	In every year, classes are taught in Japanese and English; Research Seminar Courses Online(Asynchronous). Online(Synchronous)
OBTW214	Informatics Seminar b2	2	1.0	1, 2	SprABC	by request		Yoshida Yuko, Suzuki Nobutaka, Teruyama Junko, Main academic advisors and secondary academic advisors of Doctoral Program in Informatics	In order to develop human resources who can solve various problems in the information society by the interdisciplinary approach of humanities and sciences, main academic advisors and secondary academic advisors of the Degree Program in Informatics provide research guidance based on the specialized knowledge of the individual disciplines of informatics in an interactive form to students of the Doctoral Program in Informatics. Students have opportunities to get advice on research for their doctoral dissertation beyond the laboratory by presenting the progress of research in front of multiple faculty members. Informatics Seminar b will be offered in the Spring Module.	In every year, classes are taught in Japanese and English; Research Seminar Courses Online(Asynchronous). Online(Synchronous)

OBTW231	Research Internship	2	2.0	2	SprABC	by appointment		Koizumi Masanori,Takaku Masao,Matsumura Atsushi	Engage in research activities in organizations other than the degree program to which you belong, such as international research institutes, national laboratories, corporate research laboratories, and university laboratories. Research themes follow the instructions of the recipient. In addition to gaining the opportunity to participate in advanced and cutting-edge research, by experiencing collaborative research, you will learn that there are various styles of discussion among researchers, how to proceed with research and how to summarize results and contribute to research. In addition to applying for a research institution, this course allows you to negotiate the institution regarding a research intern acceptance.	Practical Seminar Courses Online(Synchronous)
OBTW232	Research Instruction	2	2.0	2	FallABC	by appointment		Ikeuchi Atsushi,Uda Norihiko,Fujisawa Makoto,Wakabayashi Kei	This course is designed to provide students with guidance for their graduation research under the supervision of their academic advisor, assuming that they will become university faculty members in the future. In the first half of the lecture, students will learn about the various styles of research guidance and understand the flow and main points of graduate research guidance. In the latter half of the seminar, students will be involved in the presentation and writing of their thesis, and acquire actual research guidance skills.	In every year, classes are taught in Japanese and English: Practical Seminar Courses Online(Asynchronous) . Online(Synchronous)
OBTW233	Project Based Learning	2	2.0	1	SprABC	by appointment		Kato Makoto,Toshimori Atsushi,Maeshiro Tetsuya,山本 修平	This course exercises project-based learning for those who seek a professional career. Problem formulation and setting are primary performed by students, and the research project is managed by a PDCA cycle. The course aims to navigate students to self manage a research project, adjust the schedule based on the progress, and make a level of contribution. Students report to instructors time to time and receive feedback.	Practical Seminar Courses Online(Asynchronous) . Online(Synchronous)
OBTW251	Synthetic Seminar on Informatics Ia	2	1.0	1	SprABC	by appointment		Uda Norihiko,Faculty of the Doctoral Program in Informatics	Students will receive advanced dissertation guidance by academic advisors on the following research topics in the fields of media science, information interaction, and library and information science, to complete a doctoral thesis. (1) Theory and application of data utilization considering the nature of media (2) Theory and application on information use focusing on communication (3) Theory and application on the management of knowledge resources as social infrastructure	Research Seminar Courses Others
OBTW252	Synthetic Seminar on Informatics Ib	2	1.0	1	FallABC	by appointment		Uda Norihiko,Faculty of the Doctoral Program in Informatics	Students will receive advanced dissertation guidance by academic advisors on the following research topics in the fields of media science, information interaction, and library and information science, to complete a doctoral thesis. (1) Theory and application of data utilization considering the nature of media (2) Theory and application on information use focusing on communication (3) Theory and application on the management of knowledge resources as social infrastructure	Research Seminar Courses Others
OBTW253	Synthetic Seminar on Informatics IIa	2	1.0	3	SprABC	by appointment		Uda Norihiko,Faculty of the Doctoral Program in Informatics	Students will receive advanced dissertation guidance by academic advisors on the following research topics in the fields of media science, information interaction, and library and information science, to complete a doctoral thesis. (1) Theory and application of data utilization considering the nature of media (2) Theory and application on information use focusing on communication (3) Theory and application on the management of knowledge resources as social infrastructure	Research Seminar Courses Others

Code	Course				Term	Method		Instructor	Description	Remarks
OBTW254	Synthetic Seminar on Informatics IIb	2	1.0	3	FallABC	by appointment		Uda Norihiko,Faculty of the Doctoral Program in Informatics	Students will receive advanced dissertation guidance by academic advisors on the following research topics in the fields of media science, information interaction, and library and information science, to complete a doctoral thesis. (1) Theory and application of data utilization considering the nature of media (2) Theory and application on information use focusing on communication (3) Theory and application on the management of knowledge resources as social infrastructure	Research Seminar Courses Others
OBTW255	Synthetic Seminar on Informatics Ia	2	1.0	1	Sum Vac	by appointment		Uda Norihiko,Faculty of the Doctoral Program in Informatics	Students will receive advanced dissertation guidance by academic advisors on the following research topics in the fields of media science, information interaction, and library and information science, to complete a doctoral thesis. (1) Theory and application of data utilization considering the nature of media (2) Theory and application on information use focusing on communication (3) Theory and application on the management of knowledge resources as social infrastructure	Research Seminar Courses.Only those who plan to complete early can take this course. Applicants need to apply for the Graduate Academic Affairs Section. Others
OBTW256	Synthetic Seminar on Informatics Ib	2	1.0	1	Spr Vac	by appointment		Uda Norihiko,Faculty of the Doctoral Program in Informatics	Students will receive advanced dissertation guidance by academic advisors on the following research topics in the fields of media science, information interaction, and library and information science, to complete a doctoral thesis. (1) Theory and application of data utilization considering the nature of media (2) Theory and application on information use focusing on communication (3) Theory and application on the management of knowledge resources as social infrastructure	Research Seminar Courses.Only those who plan to complete early can take this course. Applicants need to apply for the Graduate Academic Affairs Section. Others
OBTW257	Synthetic Seminar on Informatics IIa	2	1.0	3	Sum Vac	by appointment		Uda Norihiko,Faculty of the Doctoral Program in Informatics	Students will receive advanced dissertation guidance by academic advisors on the following research topics in the fields of media science, information interaction, and library and information science, to complete a doctoral thesis. (1) Theory and application of data utilization considering the nature of media (2) Theory and application on information use focusing on communication (3) Theory and application on the management of knowledge resources as social infrastructure	Research Seminar Courses.Only those who plan to complete early can take this course. Applicants need to apply for the Graduate Academic Affairs Section. Others
OBTW258	Synthetic Seminar on Informatics IIb	2	1.0	3	Spr Vac	by appointment		Uda Norihiko,Faculty of the Doctoral Program in Informatics	Students will receive advanced dissertation guidance by academic advisors on the following research topics in the fields of media science, information interaction, and library and information science, to complete a doctoral thesis. (1) Theory and application of data utilization considering the nature of media (2) Theory and application on information use focusing on communication (3) Theory and application on the management of knowledge resources as social infrastructure	Research Seminar Courses.Only those who plan to complete early can take this course. Applicants need to apply for the Graduate Academic Affairs Section. Others
OBTW271	Global Research Seminar IIIa	2	1.0	1	SprABC	by appointment		Mikawa Masahiko,Academic advisors for the Doctoral Program in Informatics	The purpose is of this course is to comprehensively acquire skills for presenting your work at international conferences. Students prepare presentation materials and have rehearsals for presentations. After that students make presentations at international conferences and participate related research presentations, and broaden their research scopes. After conferences students make a self-assessment by looking back on the presentation and make reports on other presentations they found it interesting. This class is offered for first year students.	Students will be designated by the main course instructor; (1) Priority applications to "University of Tsukuba Study Abroad Support Program" are available up to three times during the three years of standard enrollment periods. (2) Research Seminar Courses (Will not be counted as credits in completion requirements) Others

OBTW272	Global Research Seminar IIIb	2	1.0	1	FallABC	by appointment		Mikawa Masahiko,Academic advisors for the Doctoral Program in Informatics	The purpose is of this course is to comprehensively acquire skills for presenting your work at international conferences. Students prepare presentation materials and have rehearsals for presentations. After that students make presentations at international conferences and participate related research presentations, and broaden their research scopes. After conferences students make a self-assessment by looking back on the presentation and make reports on other presentations they found it interesting. This class is offered for first year students.	Students will be designated by the main course instructor: (1) Priority applications to "University of Tsukuba Study Abroad Support Program" are available up to three times during the three years of standard enrollment periods. (2) Research Seminar Courses (Will not be counted as credits in completion requirements) Others
OBTW273	Global Research Seminar IVa	2	1.0	2	SprABC	by appointment		Mikawa Masahiko,Academic advisors for the Doctoral Program in Informatics	The purpose is of this course is to comprehensively acquire skills for presenting your work at international conferences. Students prepare presentation materials and have rehearsals for presentations. After that students make presentations at international conferences and participate related research presentations, and broaden their research scopes. After conferences students make a self-assessment by looking back on the presentation and make reports on other presentations they found it interesting. This class is offered for second year students.	Students will be designated by the main course instructor: (1) Priority applications to "University of Tsukuba Study Abroad Support Program" are available up to three times during the three years of standard enrollment periods. (2) Research Seminar Courses (Will not be counted as credits in completion requirements) Others
OBTW274	Global Research Seminar IVb	2	1.0	2	FallABC	by appointment		Mikawa Masahiko,Academic advisors for the Doctoral Program in Informatics	The purpose is of this course is to comprehensively acquire skills for presenting your work at international conferences. Students prepare presentation materials and have rehearsals for presentations. After that students make presentations at international conferences and participate related research presentations, and broaden their research scopes. After conferences students make a self-assessment by looking back on the presentation and make reports on other presentations they found it interesting. This class is offered for second year students.	Students will be designated by the main course instructor: (1) Priority applications to "University of Tsukuba Study Abroad Support Program" are available up to three times during the three years of standard enrollment periods. (2) Research Seminar Courses (Will not be counted as credits in completion requirements) Others
OBTW275	Global Research Seminar Va	2	1.0	3	SprABC	by appointment		Mikawa Masahiko,Academic advisors for the Doctoral Program in Informatics	The purpose is of this course is to comprehensively acquire skills for presenting your work at international conferences. Students prepare presentation materials and have rehearsals for presentations. After that students make presentations at international conferences and participate related research presentations, and broaden their research scopes. After conferences students make a self-assessment by looking back on the presentation and make reports on other presentations they found it interesting. This class is offered for third year students.	Students will be designated by the main course instructor: (1) Priority applications to "University of Tsukuba Study Abroad Support Program" are available up to three times during the three years of standard enrollment periods. (2) Research Seminar Courses (Will not be counted as credits in completion requirements) Others

| OBTW276 | Global Research Seminar Vb | 2 | 1.0 | 3 | FallABC | by appointment | | Mikawa Masahiko, Academic advisors for the Doctoral Program in Informatics | The purpose is of this course is to comprehensively acquire skills for presenting your work at international conferences. Students prepare presentation materials and have rehearsals for presentations. After that students make presentations at international conferences and participate related research presentations, and broaden their research scopes. After conferences students make a self-assessment by looking back on the presentation and make reports on other presentations they found it interesting. This class is offered for third year students. | Students will be designated by the main course instructor: (1) Priority applications to "University of Tsukuba Study Abroad Support Program" are available up to three times during the three years of standard enrollment periods. (2) Research Seminar Courses (Will not be counted as credits in completion requirements) Others |
| OBTW291 | Cooperative Education through Research Internships | 3 | 2.0 | 1, 2 | Annual | by request | | Uda Norihiko | Apply "Cooperative Education through Research Internships" under the guidance of an academic advisor and conduct "Cooperative Education through Research Internships" at a company. The purpose of this is to expand the possibilities of career paths, objectively confirm one's own expertise, and cultivate practical skills backed by research skills that can be used even if one advances to academia. | Research Seminar Courses (Will not be counted as credits in completion requirements) Others |