

MSc Program for Informatics

Common

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MB156	Global Research Seminar Ia	2	1.0	1, 2	SprABC	by appointment		Itsumura Hiroshi, Academic advisors for the Master's 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.	Students will be designated by the Program chair. The course cannot be a duplicate of 01MB157. Identical to OATW271.
01MB157	Global research seminar Ib	2	1.0	1, 2	FallABC	by appointment		Itsumura Hiroshi, Academic advisors for the Master's 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.	Students will be designated by the Program chair. The course cannot be a duplicate of 01MB156. Identical to OATW272.
01MB158	Global research seminar IIa	2	1.0	1, 2	SprABC	by appointment		Itsumura Hiroshi, Academic advisors for the Master's 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.	Students will be designated by the Program chair. The course cannot be a duplicate of 01MB159. Only students who have completed 01MB156 or 01MB157 are eligible to take this course. Identical to OATW273.
01MB159	Global Research Seminar IIb	2	1.0	1, 2	FallABC	by appointment		Itsumura Hiroshi, Academic advisors for the Master's 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.	Students will be designated by the Program chair. The course cannot be a duplicate of 01MB158. Only students who have completed 01MB156 or 01MB157 are eligible to take this course. Identical to OATW274.
01MBA01	Knowledge and Information	1	2.0	1, 2	SprAB	Fri1,2		Nakayama Shin-ichi, Yokoyama Mikiko	This course introduces the concepts of knowledge and their extraction methods. The initial units discuss the concept of knowledge as justified true belief and its criticism(the Gettier problem etc.), we argue about the sharing of knowledge in light of theories of meaning from the viewpoint of relativism and its criticism. The subsequent units will focus on the methods of knowledge representation and their characteristics by analyzing the structures of knowledge. Special focus will be given to examining the interrelations between knowledge, information and data from the viewpoint of affordance concept. Methods of information and data acquisitions, and of knowledge extractions are also introduced.	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to 01MBA02 and OATW131. Hybrid or Others 1st-5th Online Asynchronous, 6th-10th Online Synchronous

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MBA02	System Thinking	1	2.0	1, 2	SprAB	Fri1,2		Nakayama Shin-ichi, Yokoyama Mikiko	This course introduces the concepts of knowledge and their extraction methods. The initial units discuss the concept of knowledge. After having seen the definition of knowledge as justified true belief and its criticism(the Gettier problem etc.), we argue about the sharing of knowledge in light of theories of meaning from the viewpoint of relativism and its criticism. The subsequent units will focus on the methods of knowledge representation and their characteristics by analyzing the structures of knowledge. Special focus will be given to examining the interrelations between knowledge, information and data from the viewpoint of affordance concept. Methods of information and data acquisitions, and of knowledge extractions are also introduced.	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to 01MBA01 and OATW131. Hybrid or Others 1st-5th Online Asynchronous, 6th-10th Online Synchronous
01MBA03	Legal Study on Internet Issues	1	2.0	1, 2	SprAB	Mon1,2		Sakaguchi Tetsuo, Takara Kouya, Murai Maiko	This course aims at examining various emerging legal issues in the context of the current networked society - by looking into various statutes and court cases concerning information. The course will provide an overview of selective laws on the internet and other related topics in Japan - i.e., including: Copyright Act, Unfair Competition Prevention Act, Acts on the Protection of Personal Information and other related laws, etc. From a viewpoint of information ethics, having a regard to laws is expected in order to protect social norms. This course aims at building a basic understanding on laws regarding information, e.g., how to develop better legal systems and law cases, with the aim to deepen the knowledge from a wide range of perspectives. This course will also provide technical aspects of information security and intellectual property.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to 01MBA04 and OATW138. Online (Asynchronous)
01MBA04	Management and Utilization of the Intellectual Property	1	2.0	1, 2	SprAB	Mon1,2		Sakaguchi Tetsuo, Takara Kouya, Murai Maiko	This course aims at examining various emerging legal issues in the context of the current networked society - by looking into various statutes and court cases concerning information. The course will provide an overview of selective laws on the internet and other related topics in Japan - i.e., including: Copyright Act, Unfair Competition Prevention Act, Acts on the Protection of Personal Information and other related laws, etc. From a viewpoint of information ethics, having a regard to laws is expected in order to protect social norms. This course aims at building a basic understanding on laws regarding information, e.g., how to develop better legal systems and law cases, with the aim to deepen the knowledge from a wide range of perspectives. This course will also provide technical aspects of information security and intellectual property.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to 01MBA03 and OATW138. Online (Asynchronous)
01MBA05	History of Libraries and Communication Media	1	2.0	1, 2	SprAB	Fri5,6		Mizoue Chieko, Donkai Saori, Watanuki Toyoaki	This course introduces the history of libraries as the knowledge and information infrastructure and a history of books and other information media from the perspective of learning from history. Firstly the course overview from ancient media such as clay tablet and papyrus to parchment and codex, and Gutenberg printing press. Secondly, the course examines a history of libraries from monastic libraries and scriptoria to modern libraries in the 19th century in mainly Europe and America as well as Japanese libraries and media.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Library and Information Science Identical to 01MBC17 and OATW151. Hybrid or Others 1st-5th, 7th-10th Online Asynchronous, 6th face-to-face at 7A105

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MBA06	Information Seeking and Retrieval	1	2.0	1, 2	SprAB	Mon5, 6		Joho Hideo, Yu Haitao, Matsubayashi Mamiko	'Information practices' is a new concept involving human information interaction, and is discussed among various area, from information behaviour research in Library and Information Science to Human Computer Interaction in Computer Science. The concept focused on the understanding of interaction, considering broader context (e.g., social context of users) than conventional information behaviour researches. In this course, students learn the historical background of information practices research, which is originated with the traditional information seeking and retrieval research, user model of information search based on log analysis and laboratory experiment, and the methods of modelling and predicting search engine user behaviour, as well as their evaluation.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to 01MBA07 and OATW132. Online(Synchronous)
01MBA07	Theories of information Behavior	1	2.0	1, 2	SprAB	Mon5, 6		Joho Hideo, Yu Haitao, Matsubayashi Mamiko	'Information practices' is a new concept involving human information interaction, and is discussed among various area, from information behaviour research in Library and Information Science to Human Computer Interaction in Computer Science. The concept focused on the understanding of interaction, considering broader context (e.g., social context of users) than conventional information behaviour researches. In this course, students learn the historical background of information practices research, which is originated with the traditional information seeking and retrieval research, user model of information search based on log analysis and laboratory experiment, and the methods of modelling and predicting search engine user behaviour, as well as their evaluation.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to 01MBA06 and OATW132. Online(Synchronous)
01MBA09	Requirements Analysis and Project Management	1	2.0	1, 2	FallAB	Mon1, 2		Suzuki Nobutaka, Nakai Hisashi	This course covers the processing methods for structured data. First, we will provide the basic concepts of regular expression and automaton that are required for processing structured data. Second, we will present the methods for syntactic analysis of structured data. Third, we will present query languages for XML, such as XPath and XQuery. Then we will provide the methods for managing data written in markup languages, e.g., semistructured database. Finally, we will present the basic notion of graph data search and graph schema.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Media Science; Teacher Training Course Identical to 01MBA01 and OATW117. Online(Asynchronous)
01MBA10	Technical Communication	1	2.0	1, 2	SprAB	Tue1, 2		Yoshida Yuko, Sannami Chihomi	This course discusses information services for public from the two phases of a specific community and social system focusing on empowerment of participants/users. In the first half, this course deals with lifelong learning activities and examines public libraries as system for access to information, media and culture through a perspective of community, social justice and liberal multiculturalism. In the second half, you learn about the practical theory and method through the process of planning, decision, examination, manual preparation, public relations, preparation, implementation and evaluation of the place for technical communication.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Library and Information Science Identical to 01MBA09 and OATW152. Hybrid or Others 1st-4th Online Asynchronous, 5th Online Synchronous, 6th-10th Online Asynchronous
01MBA11	Communication and Culture	1	2.0	1, 2	SprAB	Tue5, 6		Toshimori Atsushi, Ye Shaoyu	This course discusses interpersonal communication via quantitative survey approach. Students are expected to learn how various media usage influences interpersonal communication and selective behaviors. This course will introduce the history and development of various media, namely: (1) from mass media to social media, and (2) their effects on users' identity formation, (3) language use, (4) perception of communication media and interpersonal relationships especially social support networks. Through this course, students will be able to acquire basic skills to understand existing body of research studies conducted both within and outside of Japan.	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to OATW135. Online(Synchronous)

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MBA51	Information Media Seminar B	2	2.0	1, 2	SprC	Tue/Fri 1, 2		Morita Hiromi, Lee Seung Hee, Ohba Ichiro, Seki Yohei, Murai Maiko	There has been a growing importance of efficiently and broadly finding and understanding relevant literature in a domain that is not your core area, due to the increase of interdisciplinary nature in research topics. Therefore, in this course, students will acquire literature survey skills in some of the areas in Informatics, and will learn major information sources and typical structure of academic articles, and finally, identify conferences and journals where students could aim to submit their work.	In every year, classes are offered in Japanese: Methodological Foundation Courses Identical to OATW213. Online (Asynchronous)
01MBA53	Information Media Seminar C	2	2.0	1, 2	SprC	Mon/Thu 5, 6		Moritsugu Shuichi, Ochiai Yoichi, Tsuji Yasuaki, Nakai Hisashi, Watanuki Toyoaki	Firstly, each research area and its features for theme setting, experiment methods, and publication methods of findings are presented. Secondly, students learn five themes in order, (1) documentation, (2) research ethics, (3) brainstorming, (4) cooperative work, (5) presentation, aiming at completing a master's thesis. Students learn the basic knowledge and skills to become a researcher by exercising several effective tools for conducting research.	In every year, classes are offered in Japanese: Methodological Foundation Courses Identical to OATW211. Hybrid or Others 1st-2nd Online Asynchronous, 3rd-4th Online Synchronous, 5th-10th Online Asynchronous

Informetrics

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MB253	Special Seminar (Information Sciences) a	2	2.0	2	SprABC	by appointment				Seminar 情報メディア特別演習 (情報学) aとbを併せて履修することで情報メディア特別演習 (情報学) に相当
01MB254	Special Seminar (Information Sciences) b	2	2.0	2	FallABC	by appointment				Seminar 情報メディア特別演習 (情報学) aとbを併せて履修することで情報メディア特別演習 (情報学) に相当
01MB255	Special Seminar (Information Sciences) a	2	2.0	2	FallABC	by appointment				Seminar 指導教員に指示された学生のみが支援室窓口で履修申請すること
01MB256	Special Seminar (Information Sciences) b	2	2.0	2	SprABC	by appointment				Seminar 指導教員に指示された学生のみが支援室窓口で履修申請すること
01MBB01	Problem Description and Formalization	1	2.0	1, 2	Fall IAB	Mon1, 2		Suzuki Nobutaka, Nakai Hisashi	This course covers the processing methods for structured data. First, we will provide the basic concepts of regular expression and automaton that are required for processing structured data. Second, we will present the methods for syntactic analysis of structured data. Third, we will present query languages for XML, such as XPath and XQuery. Then we will provide the methods for managing data written in markup languages, e.g., semistructured database. Finally, we will present the basic notion of graph data search and graph schema.	Classes are offered in Japanese in even-years and in English in odd-years, respectively: Special subjects for Media Science: Teacher Training Course Identical to 01MBA09 and OATW117. Online (Asynchronous)
01MBB02	Natural Language Processing	1	2.0	1, 2	Fall IAB	Fri5, 6		Satoh Tetsuji, Seki Yohei, Morishima Atsuyuki	Information access technologies to large amount of data is the key in big data era and becomes significant more and more. We will lecture information access technologies in information retrieval, data management and integration, and natural language processing fields with new trends. We will introduce front line topics such as collective intelligence and co-creation intelligence in WWW, crowdsourcing, and information integration in social media. The students will solidify understanding in state of the art technologies, social application, and future direction in this research field.	Classes are offered in English in even-years and in Japanese in odd-years, respectively: Special subjects for Media Science. In even-numbered years, classes will be offered in English: Teacher Training Course: Interdisciplinary Foundation Courses Identical to 01MBC01 and OAS0704. Hybrid or Others 1st-2nd Online Asynchronous, 3rd-7th Synchronous, 8th-10th Online Asynchronous

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MBB03	Advanced Topics in Data Engineering	1	2.0	1, 2	Fall IAB	Fri1,2		Tsuji Keita, Matsumura Atsushi	Various aspects of recommender systems such as methods, implementation, evaluation and problems will be introduced. More specifically, representative recommendation methods such as user-based collaborative filtering, item-based collaborative filtering (association rules), content-based filtering (which represents contents of items as various numericals), knowledge-based recommendation (which requires users to show their interests) and hybrid recommendation based on machine learning using various information will be introduced. How to measure appropriateness of recommendation i.e. notion of precision, recall, novelty or serendipity for users will also be shown.	Classes are offered in Japanese in odd-years and in English in even-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to OATW133. Online (Asynchronous)
01MBB05	Semantic Web	1	2.0	1, 2	SprAB	Thu5, 6		Takaku Masao, Kato Makoto, Nagamori Mitsuharu	In this lecture, students will learn about organizing to utilize various information resources efficiently. They learn about information resource analysis and its metadata description, classification and identification methods, targeting information resources that are mainly provided and shared via a network such as WWW or digital library. This lecture also discusses practical metadata descriptions such as Linked Open Data, schema definitions, and ontologies using RDF Schema, OWL, SKOS, etc. for description. In addition, as methods of record identification for electronic information resources, the course explains the identification method using appropriate identifier, data cleaning and automatic identification method.	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Library and Information Science; Teacher Training Course Identical to 01MBC07 and OATW157. Online (Synchronous)
01MBB06	Informetrics	1	2.0	1, 2	SprAB	Thu3, 4		Moritsugu Shuichi, ITO Hiroyoshi, Yoshikane Fuyuki	According to recent studies, the demand in society for data scientists with broad experience in data analysis is increasing. The initial units will focus on the relation among data science, basic mathematics and statistics. Students will learn both basic theories in statistics and practical data analysis, aiming at social value creation. In the subsequent units, students will learn theories and methods of analysis on the basis of informetric data. Furthermore, the nature of informetric data and sample-size dependency of statistical measures will also be discussed.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Media Science Identical to 01MBB19 and OATW111. Online (Asynchronous)
01MBB07	Content Design and Production	1	2.0	1, 2	Fall IAB	Tue5, 6		Kim Sangtae, Ochiai Yoichi	From the knowledge of art, design and technical expressions in media, students understand the mechanism of information design, and learn techniques of real world oriented interaction and infographics through hardware production and software production. In recent years, the real world oriented interaction has attracted attention from the industry due to the spread of information devices such as smart phones and wearable terminals, and the content creator is required to design the contents for such ubiquitous display and communication tools by applying the concept of infographics. In this course, based on the graphic design method, students cultivate the skill that they can discuss about visual expression, perform an exhibition as an application of their knowledge, and acquire the skills to use in real world such as making visuals related to it and making captions.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Media Science Identical to 01MBB12 and OATW113. Online (Synchronous)
01MBB08	Speech and Audio Processing	1	2.0	1, 2	SprAB	Mon3, 4		Maeshiro Tetsuya, Terasawa Hiroko	A course designed to teach informatic aspects of life. Measurement and modelling, data storage, analysis and representation of biological phenomena are discussed, focusing on genetic information, information processing in living organisms, brain activity and physiological signals. Specifically, bioinformatics methods to treat biological information, systems biology approach to model living organisms, physiological signal processing, auditory system and its modeling, and media art with physiological information are explained. Informatic principles and approaches in modern biology will also be discussed with related biological processes.	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for media science; Teacher Training Course Identical to OATW115. Online (Synchronous)

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MBB09	Digital Image and Video Information Processing	1	2.0	1, 2	Fall IAB	Tue1,2		Tokii Maki, Fujisawa Makoto	Visualization is one of the most important technologies for visually representing complex datasets — from scientific/medical experiments, physics simulations to everyday human activity, etc. Visualized media via the use of computer graphics techniques could enable the users gain a deeper understanding of the data. This course will discuss the fundamentals and applications of visualization, including scientific visualization technologies for scientific data and information visualization technologies for social data. 3-D user interfaces and augmented reality for operating visualized media will be also covered in this course.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for media science; Teacher Training Course Identical to 01MBC04 and OATW114. Online (Asynchronous)
01MBB10	Selected Topics in Cognitive Science	1	2.0	1, 2	SprAB	Tue5, 6		Hiraga Yuzuru, Lee Seung Hee, Morita Hiromi	This course examines human kansei and cognitive activities as a prerequisite for studying media science. The course consists of lectures on: (1) Basics and application of computational modelling of human cognition, in particular, of rational and analytic processes, (2) Psychological methodology and results of object recognition and movement learning related to interface design, and, (3) The relation of kansei information to creative activity and their evaluation criteria. Application of such kansei, cognitive, and biokinematic information to design inspiration and product development will also be discussed.	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Media Science Identical to OATW116. Hybrid or Others 1st-7th Online Asynchronous, 8th-10th Online Synchronous
01MBB11	Human Computer Interaction	1	2.0	1, 2	Fall IAB	Tue3, 4		Inoue Tomoo, Mikawa Masahiko	This course provides lectures on Human-Computer Interaction (HCI). Basics of HCI for realizing natural interaction, and brief overview of design, implementation, and evaluation methodologies for building interactive systems are explained. Technological elements for intelligent systems such as user interface (UI), robotics, computer vision and recognition are in the scope. The course also touches on recent research advancement in social computing for supporting and augmenting human communication and information sharing.	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Information Interaction; Teacher Training Course Identical to 01MBC16 and OATW134. Online (Asynchronous)
01MBB12	Information Design	1	2.0	1, 2	Fall IAB	Tue5, 6		Kim Sangtae, Ochiai Yoichi	From the knowledge of art, design and technical expressions in media, students understand the mechanism of information design, and learn techniques of real world oriented interaction and infographics through hardware production and software production. In recent years, the real world oriented interaction has attracted attention from the industry due to the spread of information devices such as smart phones and wearable terminals, and the content creator is required to design the contents for such ubiquitous display and communication tools by applying the concept of infographics. In this course, based on the graphic design method, students cultivate the skill that they can discuss about visual expression, perform an exhibition as an application of their knowledge, and acquire the skills to use in real world such as making visuals related to it and making captions.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Media Science Identical to 01MBB07 and OATW113. Online (Synchronous)
01MBB19	Lectures on Algorithms	1	2.0	1, 2	SprAB	Thu3, 4		Moritsugu Shuichi, ITO Hiroyoshi, Yoshikane Fuyuki	According to recent studies, the demand in society for data scientists with broad experience in data analysis is increasing. The initial units will focus on the relation among data science, basic mathematics and statistics. Students will learn both basic theories in statistics and practical data analysis, aiming at social value creation. In the subsequent units, students will learn theories and methods of analysis on the basis of informetric data. Furthermore, the nature of informetric data and sample-size dependency of statistical measures will also be discussed.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Media Science Identical to 01MBB06 and OATW111. Online (Asynchronous)

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MBB20	Foundation of Data Science	1	2.0	1, 2	SprAB	Thu1,2		Wakabayashi Kei, Hasegawa Hidehiko	This course aims at enabling students to develop an understanding of the fundamental principles and practical use of machine learning. The course is designed to examine supervised and unsupervised learning methods based on neural networks and Bayesian models for essential techniques in data science such as image recognition, document classification and clustering. The course is made up of a series of lectures - focusing on fundamental principles (linear algebra and probability theory). Hands-on exercises are also provided to understand the practical use of different machine learning methods (e.g., pattern recognition of images and text data). The course also introduces a broad range of practical techniques, e.g., data mining applications and parallel computing methods for large scale data.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Media Science; Teacher Training Course Identical to OATW112. Hybrid or Others 1st Online Synchronous, 2nd-10th Online Asynchronous
01MBB21	Advanced Topics in Video Media	1	2.0	1, 2	FallAB	Tue5,6		Tsuji Yasuaki, SHIRAISHI Nobuko, MIYAMOTO Seiji	Museum is a media. It offers information and resembles to television (Unesao 1987). Since this statement, museum as a media is developing rapidly due to the expansion of the Internet. For both real and virtual museum, knowledge and understandings of information media has been definitely required. This lecture investigates the current activities and the overview of future from various viewpoints in consideration of the importance of video media literacy.	Classes are offered in Japanese in even-years and in English in odd-years, respectively; Special subjects for Library and Information Science Identical to 01MBC06 and OATW156. Online (Asynchronous)
01MBB51	Information Media Seminar A (Informatics)	2	2.0	1, 2	FallC	Mon/Thu 3,4		Goto Yoshihiro, Suzuki Kanae, Tokii Maki, Hasegawa Hidehiko, Ye Shaoyu	This course covers qualitative research, quantitative survey, and data analysis using a computer. With lectures and group work, students are expected to learn how to plan and implement a survey and conduct data analysis. In addition to traditional data analysis methods, newly developed statistical methods will be presented, which will help understand characteristics of data from different view points.	In every year, classes are offered in Japanese; Methodological Foundation Courses Identical to 01MBC51 and OATW215. Hybrid or Others 1st Online Asynchronous, 2nd Online Synchronous, 3rd Online Asynchronous, 4th Online Synchronous, 5th-9th Online Asynchronous, 10th Online Synchronous