

MSc English Program for Library and Information Studies

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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.
01MB406	Introduction to Informatics	1	2.0	1, 2				Sarcar Sayan	The course deals with the foundations of Informatics with the lens of Information Technology area. We will study concepts such as Information, Technology, Modelling, and their impact on science and society. The overall focus of this course is an intensive introduction to the most central technical aspects of Informatics which are required to solve practical real world problems.	Lecture is conducted in English. Not open in 2021. Lecture
01MB455	Synthetic Seminar on MSc Research a	2	2.0	2	FallABC	by appointment		Academic advisors for master theses of the English LIS program		Seminar
01MB456	Synthetic Seminar on MSc Research b	2	2.0	2	SprABC	by appointment		Academic advisors for master theses of the English LIS program		Seminar

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01MB457	Synthetic Seminar on MSc Research a	2	2.0	2	SprABC	by appointment		Academic advisors for master theses of the English LIS program		Seminar Only students who have been instructed by their academic advisors should register this course at the counter of the Academic Service Office in person (NOT via the TWINS system).
01MB458	Synthetic Seminar on MSc Research b	2	2.0	2	FallABC	by appointment		Academic advisors for master theses of the English LIS program		Seminar Only students who have been instructed by their academic advisors should register this course at the counter of the Academic Service Office in person (NOT via the TWINS system).
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)
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
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)

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
01MBA09	Requirements Analysis and Project Management	1	2.0	1, 2	Fall AB	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 01MBB01 and OATW117. Online (Asynchronous)
01MBA11	Communication and Culture	1	2.0	1, 2	Spr AB	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)
01MBB02	Natural Language Processing	1	2.0	1, 2	Fall AB	Fri5, 6		Sato 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
01MBB08	Speech and Audio Processing	1	2.0	1, 2	Spr AB	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)
01MBB10	Selected Topics in Cognitive Science	1	2.0	1, 2	Spr AB	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

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01MBC04	Digital Archiving	1	2.0	1, 2	Fall/AB	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 01MBB09 and OATW114. Online (Asynchronous)
01MBC06	Organization of Information and Resources	1	2.0	1, 2	Fall/AB	Tue5, 6		Tsuji Yasuaki, SHIRAISHI Nobuko, MIYAMOTO Seiji	Museum is a media. It offers information and resembles to television (Umesao 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 01MBB21 and OATW156. Online (Asynchronous)
01MBC07	Metadata	1	2.0	1, 2	Spr/AB	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 01MBB05 and OATW157. Online (Synchronous)
01MBC10	Library and Information Services in Culturally Diverse Communities	1	2.0	1, 2	Fall/AB	Fri3, 4	Union Lecture Hall	Goto Yoshihiro, Teruyama Junko	Information and knowledge are produced, activated and communicated in interactions between/among different communities when they come together, part, clash or influence one another. In this course, students will learn the basic theories of community research and review existing literature based on qualitative research of community categories such as ethnicity, locality and language. Furthermore, students will learn how information and knowledge within communities are generated/received/modified based on specific member attributes when interactions occur in community centers, libraries, schools, clinics and local communities.	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 OATW136. face-to-face
01MBC11	Management of Libraries	1	2.0	1, 2	Spr/AB	Fri3, 4		Ikeuchi Atsushi, Ohba Ichiro, Koizumi Masanori	This course enables students to develop an understanding of the different approaches to effective organizational/operational management, as well as administrations, with special emphasis on public libraries. This course examines various management theories, principles, concepts, techniques in business administration. Challenges and limitations of applying such management theories for running the library as a nonprofit organization will also be addressed. In addition, students will also develop a basic understanding of the following: (1) social role, (2) policy, (3) legal system, (4) human resource management, (5) service planning and evaluation, (6) budget acquisition and financing, (7) public relations, (8) public-private partnerships, and (9) collaborations and partnerships with external partners for developing programs catered for early childhood education.	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Library and Information Science Identical to OATW153. Online (Asynchronous)

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01MBC12	Media Education	1	2.0	1, 2	Fall IAB	Tue1, 2		Suzuki Kanae, Tsuji Keita	<p>This lecture will comprehensively learn the following topics and provide models and practice related to these topics: school and public libraries in a lifelong-learning society, what learning environments from analog to digital including networks should be, and media usage, application and education in these environments.</p> <p>Specifically, this course will enable students' understanding of the concept of "media literacy," which requires the ability to collect, judge, create and communicate information effectively. It also focuses on the importance of media-based education and maintenance of learning environments, and the current state and future issues and includes discussions regarding further development.</p>	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Library and Information Science Identical to 01MBC13 and OATW158. Online (Asynchronous)
01MBC14	Higher Education and Information Professionals	1	2.0	1, 2	Fall IAB	Mon3, 4	7C103	Itsumura Hiroshi, Matsubayashi Mamiko	<p>In this lecture, students learn the overview of scholarly communication and scholarly publishing system which supports the communication, and understand the current situation and some challenges of scholarly communication. In former part of the lecture, students learn the relationship between research practices and scholarly communication, and the new wave of scholarly communication (e.g. the change of scholarly journal, open access, open science.) In the latter part of the lecture, students learn scholarly publishing system which supports scholarly communication, such as business model of scholarly journals, research support services by academic libraries, and scholarly information network.</p>	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Library and Information Science Identical to 01MBC15 and OATW154. face-to-face
01MBC15	Academic Libraries and Information Infrastructure	1	2.0	1, 2	Fall IAB	Mon3, 4	7C103	Itsumura Hiroshi, Matsubayashi Mamiko	<p>In this lecture, students learn the overview of scholarly communication and scholarly publishing system which supports the communication, and understand the current situation and some challenges of scholarly communication. In former part of the lecture, students learn the relationship between research practices and scholarly communication, and the new wave of scholarly communication (e.g. the change of scholarly journal, open access, open science.) In the latter part of the lecture, students learn scholarly publishing system which supports scholarly communication, such as business model of scholarly journals, research support services by academic libraries, and scholarly information network.</p>	Classes are offered in English in even-years and in Japanese in odd-years, respectively; Special subjects for Library and Information Science Identical to 01MBC14 and OATW154. face-to-face
01MBD51	Practical Seminar A	2	2.0	1	SprC	Mon/Thu 3, 4		Yu Haitao, Sarcar Sayan, Teruyama Junko, Wakabayashi Kei	<p>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.</p>	In every year, classes are offered in English: Methodological Foundation Courses Identical to OATW216. Lecture is conducted in English. Online (Synchronous)
01MBD52	Practical Seminar B	2	2.0	1	Fall IC	Mon/Thu 5, 6		Maeshiro Tetsuya, Yu Haitao, Sarcar Sayan, Hiraga Yuzuru, Yoshikane Fuyuki	<p>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 an 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.</p>	In every year, classes are offered in English: Methodological Foundation Courses Identical to OATW214. Lecture is conducted in English. Hybrid or Others 1st-6th Online Asynchronous, 7th-10th, Online Synchronous