Course Manager   Requisite

Doctoral Program in Library, Information and Media Studies

Lectures

Course Number	Course Name	授業方法	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Classroom	Instructor	Course Overview	Remarks
02MA105	Study on Methodologies of Inductive Knowledge Formation	1	2.0	1 - 3	FallAB	Fri5,6		Shin-ichi Nakayama	A variety of methodologies and case studies for knowledge formation are discussed. Fields of case studies are in natural science, especially protein and chemical informations, and in Kansei science.	
02MA106	Studies for Knowledge Formation	1	2.0	1 - 3	FallAB	Tue5,6		Koichi Matsumoto	宋代以降の宗教・民俗・社会についての実際の論文について，その学説が引用されている資料からどのように導き出され，その際にどのような理論が前提とされているかなどを分析し，この分野における新たな知識の形成を考究する.	Lectures are conducted in Japanese.
02MA108	Special Information and Resources II (Literature)	1	2.0	1 - 3	FallAB	Wed7,8		Toyoaki Watanuki	江戸時代以前に成立した文学資料を対象として，調査研究し，その時期の文化状況について論ずる.	Lectures are conducted in Japanese.
02MA109	Special Information and Resources III (Society)	1	2.0	1 - 3	SprAB	Thu3,4		Yoshihiro Goto	In this class, we discuss the periodization of media history. The lecturer of this class has researched the theory of Masakazu NAKAI, the first deputy chief librarian of National Diet Library, from the viewpoint of media studies. I will lecture, in the first half period of this class, reconsideration of the periodization of media history, referring to 'the Logic of Committee' (1936), the masterpiece of NAKAI which treated the periodization of media and logic. In this work, NAKAI said, "economic and social system seeks main media of the age, and main media corresponds to main communication mode and main logic of the age." In the last half period of this class, I will compare the text of NAKAI with the texts of other authors, for example, Hannah ARENDT, Walter ONG, Marshall MCLUHAN, Walter BENJAMIN, Michel FOUCAULT, and so on. By this comparison, we will find out the originality and the pioneer spirit of NAKAI. This class will be mainly held by lecture but partly held by practicum. In the part of practicum of this class, members of this class must report minutely about the works written by NAKAI, ARENDT, ONG, MCLUHAN, BENJAMIN or FOUCAULT.	図書館情報メディア専攻英語プログラム学生からの要望があれば英語で授業 Identical to 02DMM07.
02MA110	Research of Educational and Cultural Policy	1	2.0	1 - 3	SprAB	Sat2,3		Chieko Mizoue	アメリカやカナダといった北米地域の多民族国家において，情報メディアを通じて民族的アイデンティティがいかに形成されてきたかについて考察する. なかでも教育文化分野に焦点をあて，国民統合の視点から政策形成の過程を歴史的に論じつつ，多文化的状況についても検討する.	
02MA113	Study on Interactive Information Retrieval	1	2.0	1 - 3	SprAB	Mon1,2		Hideo Joho	We study interaction between users and information retrieval systems from cognitive, affective, and behavioural aspects. In particular, we focus on behavioural analyses of information searching, design of search interfaces, implementations and evaluation of interactive information retrieval systems.	Instructor's office
02MA114	Study on Life Informatics	1	2.0	1 - 3	FallAB	Wed1,2		Tetsuya Maeshiro	Treats the information side of the life, such as genetic information, brain activity and relationship network. Together with related life phenomena, methods of Informatics that are essential in recent Life Science research are also treated.	Lectures are conducted in Japanese.
02MA116	Study of Information and Society	1	2.0	1 - 3	FallAB	by appointment		Tomohiko Yukawa		Lectures are conducted in Japanese.
02MA117	Studies of Media Industry and Communication	1	2.0	1 - 3	FallAB	by appointment		Kei Kogure		Lectures are conducted in Japanese.

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02MA119	Study on Information Low	1	2.0	1 - 3	SprAB	Tue3,4		Kaori Ishii	Through the prism of comparative legal studies, we will consider how our legal system can contribute to today`s highly advanced, networked society. While AI robots are becoming more like humans every day, and IoT devices are soon to be embedded into human bodies, the lines between humans and robots might become blurred. We explore new legal frontiers like these and others and discuss the related issues.	Lectures are conducted in Japanese. Instructor's office
02MA120	Study on Knowledge and Information Infrastructure	1	2.0	1 - 3	SprAB	Thu5,6		Saori Donkai	This course covers knowledge and information infrastructure. Knowledge and information infrastructure is a social foundation that circulation that circulation, sharing, utilization and accumulation of knowledge and information generate new value. We will focus on the players, the roles and the relationship.	Lectures are conducted in Japanese. Instructor's office
02MA121	Archival Study	1	2.0	1 - 3	SprAB	Mon7,8		Tetsuya Shirai	日本の地域アーカイブズを事例として、その調査、収集、整理、保存、閲覧提供、幅広い活用をめぐる諸問題について研究する。対象は、公文書や民間所在資料（古文書）のほか、近年の重要な課題である被災資料・災害資料も積極的に扱う。	Lectures are conducted in Japanese. Instructor's office
02MA122	Study on Philosophy of Knowledge	1	2.0	1 - 3	FallAB	Tue5,6		Mikiko Yokoyama	In order to examine the concept of knowledge, this lecture deals with contemporary problems in connection with the concept of knowledge form a philosophical point of view. I will first review the history of epistemology (theory of knowledge). Then, I will examine internalism and externalism.	
02MA123	Study on Copyright Law	1	2.0	1 - 3	FallAB	Tue5,6		Maiko Murai	This course deals with the copyright law. At the end of the course, paticipants are expected to understand key challenges of recent copyright law, and discuss the problem about copyright.	Lectures are conducted in Japanese.
02MA306	Study of Information Analysis	1	2.0	1 - 3	FallAB	Thu5,6		Nobuyuki Midorikawa	With respect to the classification related to the content of the information media, analytical techniques, theoretical background and significance, and the expressive methods of the results will be discussed. More specifically, history and comparison of various classification system is described.	Lectures are conducted in Japanese. Instructor's office
02MA307	Study of Information Organization	1	2.0	1 - 3	FallAB	Tue5,6		Eiji Mizushima	情報メディアの組織化および情報メディアに含まれる情報の組織化について，対象の分析・構造化とその記述・表現手法，さらには記述・表現結果の共有と統合などについて論ずる．	Instructor's office
02MA310	Study on Exploitation of Database Resources	1	2.0	1 - 3					データベース資源の解析に利用しうる各種の方法，および解析における問題点について，事例に基づいて考察する．データベース資源の解析結果に基づき，知識を発見し活用するための実践的な方法について論じる．	Not open in 2017. Lectures are conducted in Japanese.
02MA311	Study of Library Governance	1	2.0	1 - 3	SprAB	Fri7,8		Hiroshi Itsumura	図書館におけるガバナンスを論じる．基礎的なガバナンスの理解をもとにと今日の社会及び情報環境の変容に対して，図書館がどのようなガバナンスのもとにその対応を果たすべきかを検討する．具体的な事例および図書館に関わるデータをもとにあるべきガバナンスの在り方を研究する．	
02MA312	Study on School media center	1	2.0	1 - 3	FallAB	Thu3,4		Yuji Hirakue	In this study, we treat core research papers on management of school media centers regarding curriculum development of library use education or professional education and training for school librarians and so on. We discuss and consider important matters or problems based on them.	Lectures are conducted in Japanese.

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02MA313	Study on Information and Media Services	1	2.0	1 - 3	SprAB	Tue5,6		Yuko Yoshida	Cultural diversity is an important aspect of contemporary libraries. Public libraries need to offer appropriate services based on the cultural characteristics of users in light of race, ethnicity, gender, sexual orientation and age. This course focuses on library services for minority groups conducted in Scandinavian Countries. Firstly, this course examines particular cases in Denmark, Sweden, and Norway. Secondly, the course considers challenges and problems of library and information services to diverse library users examining the conceptual framework and theories of the issues with special reference to the relationship of library institutions to their contemporary social, cultural and political environments.	Lectures are conducted in Japanese.
02MA314	Planning on Information Community	1	2.0	1 - 3	SprAB	Tue3,4	7A204	Atsushi Toshimori	Planning and evaluation for services/facilities that provides information in the community are presented and discussed in this class. The topics of this course are: behavioral choice modelling and others.	
02MA315	Advanced Reserach of Data Science	1	2.0	1 - 3	SprAB	Thu3,4		Hajime Tamura	図書館情報現象を記述するための手法のうち，より高度なものを扱う．	
02MA316	Study on Media Effects	1	2.0	1 - 3					The course will explain studies on media effects, and methods for examining media environment and media effects.	Not open in 2017. Lectures are conducted in Japanese.
02MA317	Investigations on Knowledge Resources	1	2.0	1 - 3	SprAB	Thu5,6		Keita Tsuji	How libraries are supporting students' learning activity will be introduced.	
02MA318	Study on Informetrics	1	2.0	1 - 3	FallAB	Tue3,4		Fuyuki Yoshikane	In this course, we discuss theories and methods of informetrics from two viewpoints: (1) investigation of patterns of information production, circulation, cumulation, and use; (2) practical application of informetric measures. We also discuss recent research findings concerning informetrics, scientometrics, and webometrics.	Lectures are conducted in Japanese.
02MA502	Study of Media Physics	1	2.0	1 - 3	FallAB	Tue5,6		Makoto Matsumoto	Recently, large capacity of magnetic recording medium, solid state device and optical storage medium are being developed and the importance of the equipment of media in an information system is increasing . In this lecture, the physical property of the media is elucidated using theoretical physics. Specifically, relation between the knowledge obtained by first-principle calculation and the various physical properties is explained.	
02MA503	Study of Information Access Systems	1	2.0	1 - 3	SprAB	Thu1,2		Tetsuji Satoh	ネットワーク化される多様な情報・コンテンツに自在にアクセスするための検索・流通・個人化技術の高度化とシステム化手法について深耕する．具体的な課題を設定して，関連する要素技術，システム構築技術等を論ずる．	Lectures are conducted in Japanese.

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02MA506	Numerical Processing	1	2.0	1 - 3	SprAB	Tue1,2	7A204	Hidehiko Hasegawa	The computation of PageRank and SVM requires some large numerical computation methods based on the Mathematical procedure. This course targets Numerical Processing algorithms used in many research fields and discusses the applications to High Performance Computing environments based on their theoretical backgrounds. Students are required to understand relevant knowledge about fair comparison of implemented algorithms and to evaluate them by using comparing points defined by themselves. This lecture covers topics on algorithms in the Numerical Linear Algebra such as Direct method for the solution of the system of Linear Equations, Iterative method for the solution of the system of Linear Equations, Eigenvalue Analysis, and analysis of Singular Value Decomposition, and so on. The computing environment includes serial processing, shared memory Parallel Processing with OpenMP, distributed memory Parallel Processing with MPI, and Co-processor such as GPU, and so on.	Lectures are conducted in Japanese.
02MA508	Computer Algebra Systems	1	2.0	1 - 3	FallAB	Tue5,6		Shuichi Moritsugu	We study the future development of mathematical software as a fundamental component of information media systems. To expand the present computer algebra systems, the development of new efficient algorithms will be discussed.	Lectures are conducted in Japanese.
02MA509	Studies of Systems for Information Sharing and Communication	1	2.0	1 - 3	FallAB	Tue5,6		Tetsuo Sakaguchi	情報のディジタル的取得,加工,蓄積,伝達,提示のための各種メディア技術とその統合方式について論究する.ネットワーク環境に親和性のあるディジタルメディア技術,各種メディアの統合と役割分担について考究する.	
02MA510	Knowledge and Information Space	1	2.0	1 - 3	SprAB	Thu1,2		Norihiko Uda	In this course, we research on knowledge and information space that includes human knowledge and recorded knowledge.	
02MA511	Structured Document Processing Technology	1	2.0	1 - 3	SprAB	Thu3,4		Nobutaka Suzuki	This course discusses formal descriptions and its expressiveness of schema definition languages, query languages, and transformation languages of structured documents such as XML. This course also discusses the computational complexity of major problems such as XSLT typechekikng problem and XPath satisfiability problem.	
02MA515	Exploratory Search Systems	1	2.0	1 - 3	FallAB	Mon5,6		Masao Takaku	This course gives lectures on the state of the art of researches in the field of exploratory search systems.	Instructor's office
02MA516	Study on Data Analysis	1	2.0	1 - 3	SprAB	Tue3,4		Taro Teduka	Data analysis algorithms using machine learning and statistics will be developed and evaluated through application to real data. Theoretical analysis will be conducted if necessary.	
02MA517	Computational Linguistics	1	2.0	1 - 3	SprAB	Tue3,4		Yohei Seki	In this class, we will learn statistical natural language processing technology. We will study language model as a basis, then topic model and distributed representation as a new NLP technologies. Finally, we will study NLP applications framework such as machine translation or sentiment analysis, etc. based on new NLP technologies.	
02MA702	Cognitive Information Processing	1	2.0	1 - 3	FallAB	Thu3,4		Yuzuru Hiraga	Lecture and discussion on studies on Human Cognitive Activities (e.g. reasoning, language, perception, emotion) will be given, focused mainly on computational approaches and how cognitive capabilities can be realized on computers. Typical topics are computational modeling of structural cognition including music cognition, language understanding and logical inference.	
02MA705	Technologies for Contents Sharing Infrastructure	1	2.0	1 - 3	SprAB	Mon5,6		Shigeo Sugimoto	Discussion on digital libraries, digital archives in the networked information environment, mainly from the viewpoint of metadata.	

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02MA706	Network Communication Fundamentals	1	2.0	1 - 3					In this lecture, we explore significant technical paradigm shift that occurred in the past 20 years in information communication network, and analyze their impact to the network society. Key words are the Internet, mobile, ubiquitous and cloud. The process of changes are explored from various literatures and case studies.	Not open in 2017.
02MA707	Advanced Design of Digital Content	1	2.0	1 - 3	SprAB	Tue4,5		Teiichi Nishioka	This course deals with the concept and meaning of the content. And also deals with production techniques of digital content.	Lectures are conducted in Japanese.
02MA711	Study of Intelligent Systems	1	2.0	1 - 3	SprAB	Mon3,4		Masahiko Mikawa	知能ロボットをはじめとする知能システムに関する要素技術,システム構築のための理論,応用例等,最新動向を交えながら解説・議論する.	Lectures are conducted in Japanese.
02MA712	Information Design Expression Research	1	2.0	1 - 3	FallAB	Tue3,4		Sangtae Kim	In this lecture, to learn the historical flow of computer graphics. And to understand the basic principles of CG technology in light of the position. Consider the expression technique and utilization by taking advantage of it. In addition, to understand the latest technology trends, learn about the use of CG in the art and design field with ideas deployment of a new representation method in the graphics design field.	Lectures are conducted in Japanese.
02MA716	Researches on Visual Media Application Basis	1	2.0	1 - 3						Not open in 2017. Lectures are conducted in Japanese.
02MA717	Technical Study for Information Expression System	1	2.0	1 - 3	FallAB	by appointment		Keiji Ogawa		Lectures are conducted in Japanese.
02MA718	Cultural Research on Printing Media Expression	1	2.0	1 - 3	FallAB	by appointment		Izumi Munemura		Lectures are conducted in Japanese.
02MA719	Technologies for Content Management Infrastructure	1	2.0	1 - 3	SprAB	Wed6,7		Atsuyuki Morishima		Instructor's office
02MA720	Study of Communication and Collaboration Support System	1	2.0	1 - 3	FallAB	Mon3,4		Tomoo Inoue	Human communication have been expanding its environment, which includes the use of various electronic devices and computer networks. The environment affects communication and resulting collaborative activity themselves. This course provides viewpoint and discussion on this communication and collaboration environment through latest research papers of the HCI and CSCW fields.	Instructor's office
02MA722	Research in Cognitive Psychology	1	2.0	1 - 3	FallAB	Fri3,4		Hiromi Morita	In this course you will learn the basics and recent studies in cognitive psychology by reading journal articles, and acquire the skill of taking up a question from everyday life, making a cognitive psychological hypothesis, and conducting research using empirical methods.	at the professor&amp;amp;#039;s office, in Japanese Lectures are conducted in Japanese.

Seminars

Course Number	Course Name	授業方法	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Classroom	Instructor	Course Overview	Remarks
02MA200	Advanced Seminar in Information Media Studies Ia	2	1.0	1	SprABC	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		

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02MA220	Advanced Seminar in Information Media Studies Ib	2	1.0	1	FallABC	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		
02MA400	Advanced Seminar in Information Media Studies IIa	2	1.0	2	SprABC	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		
02MA420	Advanced Seminar in Information Media Studies IIa	2	1.0	2	FallABC	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		
02MA600	Advanced Seminar in Information Media Studies IIb	2	1.0	2	SprABC	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		
02MA620	Advanced Seminar in Information Media Studies IIb	2	1.0	2	FallABC	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		
02MA800	Advanced Seminar in Information Media Studies IIIa	2	1.0	3	SprABC	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		
02MA810	Advanced Seminar in Information Media Studies IIIa	2	1.0	3	Sum Vac	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		早期修了予定者のみ受講可
02MA820	Advanced Seminar in Information Media Studies IIIb	2	1.0	3	FallABC	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		
02MA830	Advanced Seminar in Information Media Studies IIIb	2	1.0	3	Spr Vac	by appointment		Academic Advisers in Doctoral Program in Library, Information and Media Studies		早期修了予定者のみ受講可