

Course Name	Legal Study on Internet Issues
Course No.	01MB103
Credits	2.0Credits
Timetable	FallAB Tue5,6
Grade	1, 2Year
Instructor	Kaori Ishii
Course Overview	Students will look into various laws regarding the internet and legal issues emerging from today's network society. The course will provide an overview of some internet laws and related topics in Japan. They include the Copyright Act, the Unfair Competition Prevention Act, rights to information privacy, the Personal Information Protection Act, confidentiality of communication, and cyber crime. Students will be expected to study the legal aspects of these issues and give a presentation.
Remarks	Open in Every Odd Years in English Lecture
Objectives	The main aim of this class is for the students to learn various problems in our network society from legal viewpoints while acquiring basic knowledge for safe and secure use of internet. Their presentations will help them think about their own responses to specific problems through legal approaches as well as technical and self-regulatory means.
Schedule	I ' m going to pick up some topics and give lectures on them. Students who enroll in this class are expected to choose one which draws your interest, explore it on your own and give a presentation at least once in the term. The class will begin with introduction and proceed with the legal subjects such as: <ul style="list-style-type: none"> • introduction • Japanese legal system • legal issues surrounding the Civil Law and the internet • rights infringement on the internet and liabilities of internet providers • Act on the Protection of Personal Information • cyber crimes • the Copyright Act • recent case studies regarding legal problems on the internet
Grading	Grade will be evaluated by the person's presentation, report, participation in class.
Text	Particular text is not designated. Students can collect information in the library, internet and the rest.
References	
Office Hours	kaoriish at slis.tsukuba.ac.jp
Remarks	

Course Name	History of Libraries and Communication Media
Course No.	01MB105
Credits	2.0Credits
Timetable	SprAB Thu1,2
Grade	1, 2Year
Instructor	Saori Donkai,Yoshihiro Goto
Course Overview	This course will provide an overview of a history of libraries as a knowledge resource and a history of books as an information media from earliest times through the 20th century. We will particularly focus on Japan, Britain and North America about the development of the libraries.
Remarks	Open in Every Even Years in English Lecture
Objectives	The course learning objectives are: 1) to introduce students to the history of the books in its a lot of forms and libraries 2) to place the books and libraries within the broad context of human communication, culture and education 3) to enhance the ability of thinking of the libraries and information media in the future through learning their histories.
Schedule	Lesson 1: Introduction Lesson 2: Significance of history of libraries and information media Lesson 3~4: Transformation of information media Lesson 5~6: Birth and development of modern libraries in North America and United Kingdom Lesson 7~8: Birth and development of modern libraries in Japan Lesson 9-10: Presentation by students[Individual or Group work]
Grading	Research Paper and Presentation: 70% participation to the class: 30%
Text	
References	
Office Hours	Saori Donkai donkai at slis.tsukuba.ac.jp Yoshihiro Goto ygoto at slis.tsukuba.ac.jp http://www.slis.tsukuba.ac.jp/~ygoto/index.html
Remarks	

Course Name	Information Seeking and Retrieval
Course No.	01MB106
Credits	2.0Credits
Timetable	SprAB Thu1,2
Grade	1, 2Year
Instructor	Hideo Joho
Course Overview	In this course, students will gain the basic understanding of information seeking and retrieval with the focus on interaction between users and information retrieval (IR) systems. Students will be given opportunities to critically think about the relationship between system aspects such as search engine architecture and search interfaces, and user aspects such as query formulation and relevance judgements. This course also discusses both system-oriented and user-oriented approaches to evaluation of information retrieval. Finally, advanced topics and latest research trends will be introduced.
Remarks	Open in Every Odd Years in English Lecture
Objectives	Students can explain search engine architecture and evaluation methods. Students can explain searching behaviour using major models. Students can discuss the relationship between searching behaviour and IR systems. Students can device a new IR system design and make its evaluation design.
Schedule	1)Course guidance 2)Search engine architecture 3)Test collections 4)Searching behaviour 5)Relevance 6)Query formulation methods 7)Search results presentation methods 8)Search process management 9>User studies 10)Advanced topics and latest research trends
Grading	Lecture reports (x9): 70% Term-end report (x1): 30%
Text	No textbook. Learning materials will be provided in lectures. Students must read relevant materials in the reading list before classes.
References	1. Case, D. O. (2012) Looking for Information: A Survey of Research on Information Seeking, Needs, and Behavior (3rd Ed.). Emerald Group Publishing. 2. Hearst, M. A. (2009) Search User Interfaces. MIT Press. 3. Kelly, D. (2009) Methods for evaluating interactive information retrieval with users. Now Publishers. 4. Ruthven, I. and Kelly, D. (Eds.)(2011) Interactive Information Seeking, Behaviour and Retrieval. Facet Publishing.

Office Hours	Thu 4 and 5th Period 7D408 hideo at slis.tsukuba.ac.jp http://www.slis.tsukuba.ac.jp/~hideo/
Remarks	

Course Name	Natural Language Processing
Course No.	01MB202
Credits	2.0Credits
Timetable	SprAB Fri5,6
Grade	1, 2Year
Instructor	Yohei Seki,Kei Wakabayashi
Course Overview	This course is intended for people who want to learn Natural Language Processing technologies (e.g., Part of Speech tagging, syntactic analysis, machine learning, or term clustering) using Python programming and basic theories to analyze written language in newspapers or web corpora to implement information access technologies such as information extraction, text classification, automatic summarization, and sentiment analysis.
Remarks	Open in Every Even Years in English Lecture
Objectives	Student should learn about NLP technologies to implement your NLP applications.
Schedule	Please bring your laptop PC and install NLTK and Python environments, and implement your NLP application through lecture and practice. 1)Introduction 2)Language Processing and Python 3)Accessing Text Corpora 4)Processing Raw Text 5)Project Presentation (1): NLP application design 6)Text Classification 7)Information Extraction 8)Syntactic Parsing 9)Project Presentation (2): NLP application implementation 10)Final Report
Grading	Your grade should reflect your two times presentations and one final report. Copying or paraphrasing someone's work (code included), or permitting your own work to be copied or paraphrased, even if only in part, is not allowed, and will result in an automatic grade of 0 for the entire assignment. However, you could consult your colleagues or advisors about your assignments.
Text	1. Steven Bird, Ewan Klein, Edward Loper: Natural Language Processing with Python O ' Reilly & Associates Inc (2009/6/30)
References	
Office Hours	
Remarks	Class website: http://cu.slis.tsukuba.ac.jp/class/nlp2014

Course Name	Speech and Audio Processing
Course No.	01MB208
Credits	2.0Credits
Timetable	FallAB Thu1,2
Grade	1, 2Year
Instructor	Hiroko Terasawa
Course Overview	Students will explore the various research fields in music and audio technology and deepen the knowledge in a selected field, through lectures, guided reading, and discussions. Research areas are, including but not limited to, audio engineering, sound synthesis/design/sonification, psychoacoustics/music psychology, musical acoustics, and computer music.
Remarks	Open in Every Even Years in English Lecture
Objectives	The goal of this class is (1) to explore the broad research fields in music and audio technology, and (2) to deepen the knowledge of a selected research field of student ' s own interest.
Schedule	<p>In the first half of the term, we will survey the various research fields, including but not limited to, audio engineering, sound synthesis/design/sonification, psychoacoustics/music psychology, musical acoustics, computer music, through structured lectures and guided, interactive discussions.</p> <p>In the later weeks, the class will be designed by students ' own interests and needs. We will focus the literature survey and independent research projects.</p> <p>Academic year 2014: taught in English. AY 2015: taught in Japanese.</p> <p>The instructor is fluent both in English and Japanese, and ready to provide language support in class.</p> <p>2014 年度は英語,2015 年度は日本語での授業となります。当該言語が苦手な場合, 必要に応じて補足説明等を行います。</p>
Grading	Evaluations are made by attendance, participation to the discussion, class contribution, final project (research paper and presentation).
Text	
References	Reading materials, selected by instructor and the students, will be provided in the class.
Office Hours	
Remarks	

Course Name	Digital Archiving
Course No.	01MB304
Credits	2.0Credits
Timetable	FallAB Fri3,4
Grade	1, 2Year
Instructor	Tetsuo Sakaguchi,Tetsuya Shirai,Eiji Mizushima
Course Overview	Today, in the beginning of 21st century, there is tremendous interest in how people, information, and technology can work together to enhance the Museums, Libraries, Archives (MLA) experience for cultural institutions professionals, visitors, and all users of cultural information resources. That so many interested in this topic is due in no small part to contributions of several books covering different aspects of cultural institutions and information technology. This lectures focus on the methodology of digital archiving from MLA resources for public use.
Remarks	Open in Every Odd Years in English Lecture
Objectives	Understanding the history and current state of digital archiving of MLA from multidisciplinary views.
Schedule	1)Introduction 2)Archival practices and their theoretical foundations: historical development and cultural diversities 3)New technologies and evolution of archival theory and practice: Towards metadata approach 4)Archives in Information Age and their future: Professional Debates 5)Cultural Heritage and Digital Archiving : how to document 6)Record Heritage and Collection Management 7)e-Catalogue for museums and libraries 8)Long time preservation of digital data: bit preservation and logical preservation 9)Methods for preservation: migration, emulation, and so on 10)Preservation metadata and discussions Each topic is not corresponding to week. Some topics will run for more than one week.
Grading	Reports
Text	
References	
Office Hours	Tetsuo Sakaguchi Tuesday, 13:45-15:00 7D312 saka at slis.tsukuba.ac.jp http://www.sakalab.org/ Eiji Mizushima Monday, 15:15-18:00 7D303 mizushima at slis.tsukuba.ac.jp
Remarks	

Course Name	Organization of Information and Resources
Course No.	01MB306
Credits	2.0Credits
Timetable	FallAB Thu1,2
Grade	1, 2Year
Instructor	Eiji Mizushima
Course Overview	This course covers the principles and features of organizing information and resources. The topics of this course are: 1) principles and basic concepts of information/resource organization, including organization in different contexts like libraries, archives; 2) metadata design and management, embracing (a) conceptual modeling of resources, and other metadata design process, and (b) current situation of metadata creation; 3) subject analysis, vocabulary control, and classification. Class sessions will be a combination of lectures and discussions. Student 's presentation on a related topic is usually required at every class.
Remarks	Open in Every Odd Years in English Lecture
Objectives	This course covers the principles and features of organizing information and resources. The topics of this course are 1) a framework for the theory and practice of organizing that integrates information organization and information retrieval, bridging the disciplinary chasms between library and information sciences and computer science. The students have to prepare summery as a homework (reading the textbook) for a class.
Schedule	1)Foundations for Organizing Systems 2)Activities in Organizing Systems 3)Resources in Organizing Systems 4)Resource Description and Metadata 5)Describing Relationships and Structures 6)Catagorization: Describing Resources Classes and Types 7)Classification: Assiging Resources to Categories 8)The Forms of Descriptions 9)Interactions with Resources 10)The Organizing System Roadmap
Grading	
Text	1. The Discipline of Organizing, edited by Robert J.Glushko, MIT Press, 2013
References	
Office Hours	Office hour : Thursday 13:45 15:00 7D303 mizushima@slis.tsukuba.ac.jp Monday, 15:15-18:00 7D303 mizushima at slis.tsukuba.ac.jp
Remarks	

Course Name	Metadata
Course No.	01MB307
Credits	2.0Credits
Timetable	FallAB Mon5,6
Grade	1, 2Year
Instructor	Shigeo Sugimoto
Course Overview	<p>Basic concepts and models of metadata oriented to networked information environment are presented and discussed in this class. The followings are the main topics of this class. *</p> <p>Basic concepts of metadata in the networked information environment and digital libraries.</p> <p>* Major metadata standards used in networked information environment - Dublin Core, MODS, etc. * Model and description scheme of metadata and schemes for the Web - Resource Description Framework and Linked Open Data * Issues for metadata interoperability, primarily based on Dublin Core and Semantic Web</p>
Remarks	<p>Open in Every Even Years in English</p> <p>Lecture</p>
Objectives	The goal of this class for students is to understand basic concepts and models of metadata for networked information environment and metadata technologies to support digital libraries and archives.
Schedule	<p>The first half of the class will cover general issues on metadata in the networked information environment and digital libraries. The second half of the class will include assigned readings by students, focusing on specific topics of metadata which will be determined in accordance with the students enrolled in the class.</p> <p>1)Week 1) Introduction - general introduction of metadata in the context of Internet and Digital Archives/Libraries</p> <p>2)Week 2-3) General description about digital libraries and archives - some example services and discussions about them</p> <p>3)Week 4-8) Description about metadata</p> <p>Metadata Standards - Dublin Core, FRBR, OAIS, METS, etc.</p> <p>Semantic Web Resource Description Framework and related issues</p> <p>4)Weeks 9-10) Assigned readings and discussion</p>
Grading	<p>Reports and presentations.</p> <p>Active participation and engagement in the discussions at the class is required.</p>
Text	<p>No textbook will be used.</p> <p>Class materials will be handed at the class</p>
References	<p>Reading materials and references will be given during the class.</p> <p>Viewing and using Digital Archives/Libraris on the Web by yourself in advance to this class is strongly suggested.</p> <p>Specifications and reports available at Dublin Core Metadata Initiative (http://dublincore.org/), Semantic Web and Data Activity at World Wide Web Consortium (http://www.w3.org/2013/data/) are referred in the class.</p>

Office Hours	By request sugimoto at slis.tsukuba.ac.jp
Remarks	It is not required but strongly suggested for students to have basic knowledge about technologies for XML and Web in advance.

Course Name	Library and Information Services in Culturally Diverse Communities
Course No.	01MB310
Credits	2.0Credits
Timetable	SprAB Mon3,4
Grade	1, 2Year
Instructor	Yuko Yoshida
Course Overview	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 that are traditionally underrepresented. Firstly, this course examines particular cases in Japan, North America and Scandinavian countries. Secondly, the course examines challenges and problems of library and information services to diverse library users. Thirdly, the course deals with 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. Lastly, the course provides the skills of evaluating programs for diverse library users.
Remarks	Open in Every Odd Years in English Lecture
Objectives	Through the course, students will be able to: -identify the needs of diverse user groups -understand the theory and concepts of library and information services for diverse users -appreciate the complexity of library and information services for diverse users -point out the challenges and limitations of library and information services for diverse users -evaluate diversity programs for a special group
Schedule	1)Introduction 2)Cultural diversity and library services: Philosophy 3)Cultural diversity and library services in Japan 4)Cultural diversity and library services in North America- 1 5)Cultural diversity and library services in North America- 2 6)Cultural diversity and library services in Scandinavian countries- 1 7)Cultural diversity and library services in Scandinavian countries- 2 8)Appropriate services according to the cultural characteristics of communities- library services for sexual minorities 9)Appropriate services according to the cultural characteristics of communities- indigenous librarianship 10)Conclusion
Grading	Attendance (20%), first presentation (30%), second presentation (30%), discussion (20%)
Text	None
References	Other reading materials will be introduced by the instructor.
Office Hours	yyoshida at slis.tsukuba.ac.jp http://www.slis.tsukuba.ac.jp/~yyoshida/
Remarks	

Course Name	Management of Libraries
Course No.	01MB311
Credits	2.0Credits
Timetable	SprAB Mon3,4
Grade	1, 2Year
Instructor	Ichiro Ohba
Course Overview	This course introduces theories, principles and techniques in Management Science and their application to libraries and information services. Topics to be studied include libraries; roles, types, systems, management, organizational structures, service design, and human resource management. In particular, the present situation of human resource management, social needs, and training and staff development are examined.
Remarks	Open in Every Even Years in English Lecture
Objectives	<ul style="list-style-type: none"> • Students will understand theories, principles and techniques in Management Science and their application to libraries and information services. • Students will have knowledge on organizational structures and information services based on the Management Science. • Students will have knowledge on making their master thesis (reading manner, making summary and description techniques of cited literatures).
Schedule	<p>In this class, using literatures of 15-20 papers, lecture will be made, and students are requested to make presentation and discussion. Students are, every week, requested to read assigned literatures, and to make a report. Method to make report will be explained at the first class time. The class planned is as follows.</p> <ol style="list-style-type: none"> 1)Orientation 2)An Introduction to Management 3)Planning in Libraries and Information Services 4)Organizational Design 5)Stakeholder Management 6)Human Resources Management 7)Communication and Team Work 8)Leadership and Organizational Change 9)Financial Management 10)Marketing and Promotion 11)Report / Test
Grading	Assessment will be made with following three points, attendance and activity in class (presentation and discussion) (ca.30%), reports on literatures (ca.35%), report or test (with no text) (ca.35%). However, if one of three marks is extremely low, total assessment will be lowered.
Text	At the first class time, textbooks (ca. three books) and assigned literatures will be announced (students should buy the textbooks).
References	
Office Hours	iohba at slis.tsukuba.ac.jp
Remarks	<ul style="list-style-type: none"> • Students who want to join the class, are registered to make application using TWINS sooner. • On the materials to be used at the first class time, they will be noticed on a board until the first week in April. Please join the class with them. • At the first lecture, outline of the course will be explained. As the class is planned based on full participation for the class, if you miss any of the class, you will have disadvantage. • In each class, new theme will be set, if you miss the class, you will have trouble to understand successive lectures. So, you need to join the class with a mind of full participation.

Course Name	Media Education
Course No.	01MB312
Credits	2.0Credits
Timetable	FallAB Tue1,2
Grade	1, 2Year
Instructor	Kanae Suzuki
Course Overview	The course will introduce you to media literacy and the current state of media education in Japan and foreign countries. The future issues related to media education will be discussed, along with the course contents. The course also includes content analysis of media messages and educational programs to deepen the comprehension of media and media education and consider the advanced programs.
Remarks	Open in Every Even Years in English Lecture 01MB522 との重複履修不可
Objectives	The goals of this course are to understand <ul style="list-style-type: none"> - the recent media environment surrounding children - the concept of media literacy - the media effect and related theories - the way to analyze media messages - the history and the current state of media education - the way to analyze various practices and programs of media education - the future issues related to media education and their resolutions
Schedule	1)Introduction 2)The concept of media literacy and the recent media environment 3)The effect of various media and the theories 4)The effect of various media and the theories 5)Analysis of media messages 6)The practices of media education in Japan and overseas 7)The practices of media education in Japan and overseas 8)The practices of media education in Japan and overseas 9)Analysis of media educational programs 10)The future issues related to media education
Grading	Participation, short reports and oral presentations, and final examination
Text	Printed material will be distributed and reference books will be introduced in classes.
References	
Office Hours	
Remarks	

Course Name	Higher Education and Information Professionals
Course No.	01MB314
Credits	2.0Credits
Timetable	FallAB Fri3,4
Grade	1, 2Year
Instructor	Chieko Mizoue
Course Overview	This course will give students a chance to explore the university setting, as the environment in which librarians and other professionals receive their training and as an example of an academic workplace for information professionals. Students will come to an understanding of the purposes/goals and management of higher education institutions from a theoretical perspective. Furthermore, students will gain insight into the system of professional education through an analysis of education of librarians and information professionals.
Remarks	Open in Every Even Years in English Lecture
Objectives	* The students will be able to understand a meaning of education and a history of higher education in North America and Japan. * The students will be able to understand the problems of professional education.
Schedule	This course covers the followings; 1)Guidance 2)Meaning of education 3)History of higher education 4)Organization of higher education North America and Japan 5)Degree and curriculum - North America and Japan 6)Accreditation - USA 7)University extension movement UK and USA 8)Continuing education - Japan 9)Professional School and Information professionals - North America and Japan 10)Students ' presentation
Grading	Grading is based on class reports (70%) and end-term presentation (30%).
Text	No text. The students have to read the reading assignments which are provided by the lecture at the first week.
References	
Office Hours	
Remarks	

Course Name	Academic Libraries and Information Infrastructure
Course No.	01MB315
Credits	2.0Credits
Timetable	FallAB Mon3,4
Grade	1, 2Year
Instructor	Hiroshi Itsumura
Course Overview	This course is designed to prepare students to function effectively in academic libraries and information infrastructure. Students will study a wide variety of governance, principles, problems, and trends, relating to academic librarianship.
Remarks	Open in Every Odd Years in English Lecture 01MB501 との重複履修不可
Objectives	1) Understand history and evolution of higher education in Japan and the transformation of scholarship, all of which shaped the development of academic libraries. 2) Understand the service, collecting, preservation, organization, and access functions of academic libraries. 3) Understand the governance issues of academic libraries.
Schedule	1)History of academic libraries and information infrastructure in Japan. 2)Governance of academic libraries and information infrastructure. 3)History of Higher education. 4)Transformation of scholarship. 5)Service, collecting, preservation, organization, and access functions of academic libraries. 6)Electronic Journal 7)Open access, institutional repository and consortia. 8)Learning and academic libraries. 9)Digital archives 10)Where we go from here
Grading	Report, essay, and examination.
Text	1. 逸村裕, 竹内比呂也共編. 変わりゆく大学図書館. 勁草書房. 2005.
References	
Office Hours	hits at slis.tsukuba.ac.jp
Remarks	

Course Name	Research Methods in Informatics
Course No.	01MB401
Credits	2.0Credits
Timetable	FallAB Mon1,2
Grade	1Year
Instructor	Tetsuya Maeshiro,Hideo Joho
Course Overview	This course provides an overview on research goal settings and research methodologies practiced in Informatics, focusing on the properties inherent in those research methods. Namely, we will address methods to extract information and knowledge represented in varied conformations, procedures to study them, and analytical techniques to interpret the results. Individual research methods are treated through case studies.
Remarks	Lecture
Objectives	Be able to describe what is informatics Know when, why, and for what specific research methodologies are being used
Schedule	1)Quantification, mathematical modeling 2)Case study A-1. Individual similarity, homology extraction 3)Case study A-2 4)Case study A-3 5)Case study B-1. Pattern extraction, clustering 6)Case study B-2 7)Case study B-3 8)Case study C-1. Simulation, statistical analysis, network analysis 9)Case study C-2 10)Case study C-3
Grading	Based on the achievement of problem sets and analysis project
Text	Indicated on the need basis
References	
Office Hours	Tetsuya Maeshiro maeshiro at slis.tsukuba.ac.jp Hideo Joho Thu 4 and 5th Period 7D408 hideo at slis.tsukuba.ac.jp http://www.slis.tsukuba.ac.jp/~hideo/
Remarks	Have to complete all problem sets and analysis project tasks. Active participation is mandatory.

Course Name	Introduction to Library and Information Science
Course No.	01MB402
Credits	2.0Credits
Timetable	FallAB Wed1,2
Grade	1, 2Year
Instructor	Lo, Patrick
Course Overview	This course provides an overview of the library and information science profession. Students will obtain an understanding of the nature and core functions of the library and information profession(s) under different settings. In addition, students will acquire an appreciation and understanding of the professional contributions librarians make, and how libraries/information centres function in societies past, present, and future, etc.
Remarks	Lecture
Objectives	<p>This course introduces concepts of library organization, types of libraries, library terminologies, duties of library personnel, developments and history of libraries, current issues library services, as well as different challenges faced by librarians/information professionals today, etc. At the conclusion of this course, students will be able to: Become acquainted with a variety of aspects of their chosen profession, and identify specific areas of interest within the library and information profession.</p> <ol style="list-style-type: none"> 1. Understand the history, philosophy, principles, and policies of library and information science, etc. 2. Familiarize with the various practices and operations, as well as the possible range of services offered by different types of libraries, e.g., academic, public, school, special, law, medical, art, music, museum, and archive, etc. 3. Understand the organization, operations and management of libraries, as well as the duties of different library personnel.
Schedule	<ol style="list-style-type: none"> 1)Course Guidance & Overview of Library and Information Science Professions 2)History of Libraries & Librarianship: Past to the 21st Century 3)Types of Libraries; Changing Roles of Libraries and Librarians and their Social Functions 4)Functions and Social Roles of the City, State, National and Government Libraries 5)Libraries as Complex, and User-Centred Institutions & Organizations 6)Collection Development and Resources Management 7)Information and User Education, and Other Public Services to Clients 8)Digital Libraries, Information Systems and Other Automations their Impacts on both Libraries & Librarianship 9)Library and Information Professions: Education and Training for Library Professionals and Paraprofessionals ; Career Developments/Opportunities and Job Interviews, etc. 10)Student Presentations of Term-End Reports ; Wrap-up: Summary and Q&A
Grading	Small assignments/lecture reports (50%) ; Term-end report (40%) ; Attendance and participation (10%)
Text	None. Relevant course materials will be provided at each lecture.
References	1. Fourie, Denise K.& David R. Dowell. (2009) Libraries in the Information Age: an Introduction and Career Exploration. 2nd ed. Santa Varbara, Calif. : Libraries Unlimited.
Office Hours	

Remarks	
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Course Name	Special Topics 2
Course No.	01MB404
Credits	2.0Credits
Timetable	Spr Vac Intensive
Grade	1, 2Year
Instructor	Hiroshi Itsumura
Course Overview	This is an advanced seminar class conducted in English. Each week we will examine a major area of information, media, and library science. The conceptual frameworks in these fields are undergoing upheaval due to active research, new technologies, societal changes, and increasing inter-disciplinary interaction.
Remarks	Lectures are conducted in English. Not open in 2015. Lecture
Objectives	At the end of this course, the students should have a broad but integrated view of the field of information, media, and library science. They, should also be able to discuss topics from each week ' s sessions.
Schedule	1)Introduction a.Representations b.Human information interaction c.Libraries vs. archives vs. museums d.Entertainment informatics 2)Information Organization a.Documents, hypertexts, metadata, and markup b.Classification theory c.Data models and AI data structures d.Events and time e.Internet of Things 3)Human Language and Language Technologies a.Linguistics b.Question asking and answering c.Language processing and search d.Speech and gesture processing. 4)Tasks, Activities, Organizations, System Analysis and Requirements a.Service science b.Problem solving and planning c.Requirements and software development d.Learning and machine learning e.Design 5)Social Networks and Collaborative Work a.Conversation b.Coordination theory. c.Social media and search d.Agents and simulations e.Situated learning

	6)New Modes of User Interaction a.Interface engineering b.Multimodal interaction (Google Glass, iPhone Siri) c.Games as interaction d.Affective computing e.Education and tutoring 7)Organizations and Communities a.Economics and entrepreneurship b.Knowledge Management c.Innovation d.Social decision processes 8)eScience and Data Management a.Semantic publishing b.Sensor information integration c.Managing data sets d.Persistence e.What is data science, facilitating data sharing 9)Digital Humanities a.Mass digitization and culturnomics b.Community models c.Causation in social interaction d.Archives and preservation 10)Information Assurance, Literacies, and Intellectual Property a.Business models for providing information b.Recommender systems and personalized relevance c.Security, adversarial strategies d.Patents, copyright, trademarks 11)Exam week (no exam scheduled)
Grading	Grading is based on one class presentation (20%), two written reaction papers (2 x 20%), and a final paper. (40%).
Text	A survey paper and several research papers will be assigned each week for the students to read and discuss.
References	
Office Hours	
Remarks	This is a special topics course. The course will be taught in English but an effort will be made to support participants who are not highly-fluent in English. A limited number of auditors are welcome with the permission of the instructor. Instructor: Chieko Mizoue, Robert Allen,Ph.D. (http://boballen.info/)

Course Name	Practical Seminar A
Course No.	01MB451
Credits	2.0Credits
Timetable	FallAB Fri5,6
Grade	1Year
Instructor	Lo, Patrick
Course Overview	This course provides students with opportunities to deepen the knowledge of cultural and organizational aspects of Library and Information Science such as the history, management and services of the library and information center. Students will carry out an extensive literature survey on a relevant topic and give a presentation to report and discuss the main findings.
Remarks	Seminar
Objectives	Through the course, students will be able to: - understand the history, management and services of the library and information center - identify a appropriate literature for a relevant topic - understand how to make a bibliography - develop skills of critical discussions
Schedule	1)Introduction 2)Overview of the history of the library and information centers 3)Overview of the management of the library and information centers 4)Overview of the services of the library and information centers 5)Presentation procedures / Selection of materials for presentations 6)Presentation and discussion 1 7)Presentation and discussion 2 8)Presentation and discussion 3 9)Presentation and discussion 4 10)Conclusion
Grading	attendance (20%), first presentation (30%), second presentation (30%), discussion (20%)
Text	None. Other reading materials will be introduced by the instructor.
References	
Office Hours	Wed 1-2 7D315
Remarks	

Course Name	Practical Seminar B
Course No.	01MB452
Credits	2.0Credits
Timetable	SprAB Mon5,6
Grade	1Year
Instructor	Yuzuru Hiraga,Tomoo Inoue
Course Overview	This course provides students with opportunities to deepen the knowledge of technological and cognitive aspects of Library and Information Science such as programming, multimedia data, and knowledge representation. Students will develop and evaluate a prototype or mockup system using a relevant technology and give a presentation to report and discuss the main findings.
Remarks	Seminar
Objectives	Through the course, students will be able to: - understand the history, management and services of the library and information center - identify a appropriate literature for a relevant topic - understand how to make a bibliography - develop skills of critical discussions
Schedule	1)Introduction 2)Philosophy of librarianship 3)Service and access 1 4)Service and access 2 5)Service and access 3 6)Service and access 4 7)Social responsibility 8)Intellectual freedom 9)Privacy protection 10)Conclusion
Grading	attendance (20%),presentation (60%), discussion (20%)
Text	Materials will be introduced by the instructor.
References	
Office Hours	
Remarks	In this course, the following formal languages will be used for exercises: - Computer programming: Ruby, and - Markup: XML and HTML. The latest information of this course will be presented on the web page http://www.sakalab.org/lectures/ .

Course Name	Practical Seminar C
Course No.	01MB453
Credits	2.0Credits
Timetable	SprAB Fri3,4
Grade	1Year
Instructor	Shigeo Sugimoto,Kanae Suzuki
Course Overview	This course provides students with opportunities to deepen the knowledge of social and governance aspects of Library and Information Science such as the Intellectual Property Law, Patent Act, and Copyright Act. Students will carry out an extensive literature survey on a relevant topic and give a presentation to report and discuss the main findings.
Remarks	Lectures are conducted in English. Seminar
Objectives	Through the course, students will be able to: - understand the overview of the Intellectual property Law and &c. - find out appropriate cases for relevant topics - understand how to make presentation documents - develop skills of critical discussions
Schedule	1)Introduction of the Intellectual Property Law 2)Overview of the Patent Act 3)Overview of the Copy right Act 1 4)Overview of the Copy right Act 2 5)Presentation procedures / Selection of materials for presentations 6)Presentation and discussion 1 7)Presentation and discussion 2 8)Presentation and discussion 3 9)Presentation and discussion 4 10)Conclusion
Grading	Reports and presentations
Text	None. Other reading materials will be introduced by the instructor.
References	
Office Hours	
Remarks	

Course Name	Synthetic Seminar on MSc Research
Course No.	01MB454
Credits	4.0Credits
Timetable	SprC, FallABC by appointment
Grade	2Year
Instructor	Academic advisors for master theses of the English LIS program
Course Overview	In this course, students will synthetically develop professional practice, practical research methods and techniques, effective writing styles, and presentation skills based on the process of authoring a Master's thesis.
Remarks	Seminar
Objectives	Through the course, students will be able to: -understand the academic writing for various disciplines -appreciate the methodology of the research subjects -develop the academic writing skills
Schedule	1)Introduction - What is an academic dissertation? /Overview of the master thesis process 2)Preliminary work - Defining a research topic / Formulating the research question and hypothesis / Setting up a theoretical framework 3)Data gathering - Bibliographic research / Making a bibliography / Planning and conducting surveys / Performing experiments 4)Writing the thesis - Making an outline / Writing the thesis / Supporting arguments with evidence 5)Research ethics - Avoiding plagiarism 6)Presentations and discussions 7)Presentations and discussions 8)Presentations and discussions 9)Presentations and discussions 10)Presentations and discussions Each student will be given more than one chance to make presentations their research topics, the research methodology and the research questions. The presentations should be related to the students' master theses.
Grading	presentations (70%) , class discussions (30%)
Text	None. Other reading materials will be introduced by the instructor.
References	
Office Hours	
Remarks	