

**al-Farabi Kazakh National University
al-Farabi Library**

**SYLLABUS
MODULE 5, INNOVATIVE
ONLINE LIBRARY SERVICES FOR 21ST CENTURY
LIBRARIANS
09.03-22.06.2018**

Participants	Contact hours	Self study	Number of credits
1. Kobegenova K. 2. Rafkatova L. 3. Zhakupov A. 4. Tleumuratov Zh. 5. Dengelbaeva N. 6. Saparov E. 7. Sadykova S. 8. Arekenova Zh. 9. Beisenbekov A. 10. Ospanova M.	24	12	2
Lecturer	Tuenbaeva K.	Days and time of the course 01.03-30.06.2018	
e-mail	kalima.tuenbaeva@kaznu.kz		
Discipline description	This Module is aimed at studying modern aspects of library services and improving the competence of library staff, in particular, improving the proficiency in professional English, working with international databases, new software and hardware.		
The aim of the course	The aim of the course is to increase the information literacy of librarians, to teach the understanding of innovative methods of modern library services, to familiarize librarians with the peculiarities of working with new software products for library maintenance (library website, OPAC, lib.guides), to assimilate and further apply practical skills of working with modern technologies, databases, IBA, the implementation of various types of information retrieval, etc.		
The outcome of the course	A student who has completed the course must remember the basics of the importance of developing information processes in order to acquire knowledge that will allow us to provide quality library services, understand the need to improve the skills of using databases, IBA, and information retrieval. At the end of the course, the student should be able to apply the acquired knowledge in practice, develop independently, be able to analyze information and evaluate it, and create a positive library's image.		
Literature resources and	1. Воройский Ф.С. Основы проектирования автоматизированных библиотечно-информационных систем.: М.: ГПНТБ России, 2002. — 389 с. 2. http://openbooks.ifmo.ru/ru/file/4085/4085.pdf 3. Сборник научных статей XIX Объединенной конференции «Интернет и современное общество» IMS-2016, Санкт-Петербург, 22 - 24 июня 2016 г. с.24-39. И.Ф. Богданова, Н.Ф. Богданова. Онлайн-сервисы современных библиотек. Проанализированы технологии разработки веб-сайтов и онлайн-сервисов современных библиотек. 4. Библиотека будущего: 7 технологий, которые нам хотелось бы увидеть... https://www.livelib.ru/translations/post/15144-biblioteka-buduschego-7-tehnologij-kotorye-nam-hotelos-by-uidet		

5. Клаус Шваб. Четвертая промышленная революция. Четвертая промышленная революция / К. Шваб — «Эксмо», 2016 — (Top Business Awards)
- Клаус Шваб., Николас Дэвис. Технологии Четвертой промышленной революции / Бомбора, 2018 г.
6. Мобильные библиотеки. Мобильные библиотечные онлайн-услуги: сб. публ. / под ред. Дж. Нидхем, М. Элли, Я.Л. Шрайберг. – Спб. Профессия, 2012. 368с.
7. Туенбаева К.Т. Проект автоматизации библиотеки аль-Фараби. – Алматы, 2016
- Schnapp, Jeffrey T. The Library Beyond the Book [Text] : [monograph] / J. T. Schnapp, M. Battles, 2014. - 167 p.
8. Маршак М.Б., Информационно-поисковые системы Интернета и систем автоматизации библиотек: точки соприкосновения и принципиальные различия. / <http://www.gpntb.ru/win/inter-events/crimea2003/trud/tom1/sec/Doc68.HTML>
9. Мировые информационные ресурсы. Интернет: практикум / кол. авторов; под. общ. редак. П.В. Акинина – М: КНОРУС, 2008 – 256 с.
10. Рахматуллаев М. А. Мировые информационные ресурсы. (Методическое пособие). – Т.: «Fan va texnologiya», - 2017, 196 с.
11. Джон В. Ричардсон. Англо-русский словарь по библиотечной и информационной деятельности. – Лос-Анджелес, Калифорния. ITA Press. 2013.
12. Жабко Е.Д. Справочное обслуживание в сетевой среде: от локального обслуживания к национальным корпоративным службам // Библиотечные компьютерные сети: Россия и Запад. М., 2003. Вып. 2. С. 147-158.
13. Использование научных исследований для продвижения грамотности и чтения в библиотеках/ Lesley Farmer and Ivanka Stricevic The Hague, IFLA Headquarters, 2011. –33р. 30 см. – (IFLA Professional Reports : 128) (Russian translation of IFLA Professional Report 125) ISBN 978-90-77897-51-5 ISSN 0168-1931
14. Ричард Сайерс. Принципы формирования для достижения информационной грамотности, учебный пример. / ЮНЕСКО, 2009. Перевод: Людмила Фунсо
15. Хлыстова, А. И. Продвижение научных журналов открытого доступа в международные базы данных на примере DOAJ = Promoting open access scientific journals to global databases on the example of DOAJ / А. И. Хлыстова, М. И. Митрофанов, А. В. Скалабан // Материалы Третьего Международного профессионального форума «Книга. Культура. Образование. Инновации» (“Крым-2017”), 3-11 июня 2017 г., Судак, Республика Крым, Россия [Электронный ресурс] / ГПНТБ России : Ассоц. ЭБНИТ. - Москва, 2017.
16. Мировые информационные ресурсы [Электронный ресурс] / Блюмин А.М. - М. : Дашков и К, 2010. - <http://www.studentlibrary.ru/book/ISBN9785394009600.html>
17. В.М. Московкин. Базы данных научной информации и онлайн-поисковые инструменты: использование для управления знаниями.
18. Хесус Лау. Руководство по информационной грамотности для образования на протяжении всей жизни. <https://www.ifap.ru/library/book101.pdf>
19. Corral S., Kennan M. A., Afzal W. (2013) Bibliometrics and Research Data Management Services: Emerging Trends in Library Support for Research / Library Trends. Volume 61, Number 3, pp. 636-674, - 2013.

Course organization	Al-Farabi Library, Kazakh National University al-Faraby University (Almaty, Kazakhstan)	
Course requirements	Academic honesty and integrity: independence of making all of tasks; inadmissibility of plagiarism, forgery, use of cribs, cheating at all stages of knowledge control, cheating the teacher and disrespectful attitude towards him.	
Evaluation policy	Work description	Assignments weights Course outcome
	Attending a lecture Participation in a seminar Independent work Examination	10% 10% 20% 60%
Discipline policy	Obligatory attendance in the classroom, inadmissibility of late arrivals. Absence and delay in classes without prior warning of the teacher are estimated at 0 points. Obligatory observance of the terms of fulfillment and delivery of assignments (on IWS, midterm control, laboratory, project, etc.), projects, examinations. In case of violation of the deadlines, the task is evaluated taking into account the deduction of penalty points.	

COURSE SCHEDULE

Week	Topic	Hours	Grade
1 09.03. 2018	<p>Lesson 1. <i>Designing library web sites and online platforms and portals</i></p> <p>AIMS</p> <ul style="list-style-type: none"> - to know the role and objectives of a library website; - to know how to structure the library website; - to have a deep insight into the library blog and use of social networks; - to know what software to use when creating library websites, online-platforms and portals. <p>ACHIEVED AIMS: Participants get acquainted with the role and objectives of a library website, determine the most efficient structure of the library website, learn about the use of library blogs and use of social networks, and get acquainted with the software used for library websites creation. Participants also familiarize themselves with the specific features of creation websites accessible for visually impaired people.</p> <p>Module Materials: 1. Воройский Ф.С. Основы проектирования автоматизированных библиотечно-информационных систем.: М.: ГПНТБ России, 2002. — 389 с. [1. Voroysky FS. Fundamentals of designing automated library and information systems.: М.: State Public Scientific Library of Russia] 2. http://openbooks.ifmo.ru/ru/file/4085/4085.pdf Сборник научных статей XIX Объединенной конференции «Интернет и современное общество» IMS-2016, Санкт-Петербург, 22 - 24 июня 2016 г. с.24-39. И.Ф. Богданова, Н.Ф. Богданова. Онлайн-сервисы современных библиотек. Проанализированы технологии разработки веб-сайтов и онлайн-сервисов современных библиотек. [Collection of</p>	1	1%

	scientific articles of the XIX Joint Conference "Internet and Contemporary Society" I.F. Bogdanova, N.F. Bogdanova. Online services of modern libraries. Technologies of development of web sites and online services of modern libraries are analyzed].		
	Practical lesson 1. To study the structure of the websites of the library of different universities.	1	1%
	Independent study 1. Self-study of individual topics of the theoretical course. The library websites of different universities should be analyzed and, based on the analysis carried out, the structure of the updated website of the Al-Farabi Library should be proposed, taking into account the needs of people with poor eyesight.	1	2%
2 16.03. 2018	<p>Lesson 2. Online Public Access Catalogues</p> <p>AIMS:</p> <ul style="list-style-type: none"> - to know about Online Public Access Catalogues (OPAC); - to have a deep insight into the ILS and LMS; - to learn main features of Corporate Catalogue Systems. <p>ACHIEVED AIMS:</p> <p>Participants get acquainted with the fundamentals of Online Public Access Catalogues; study the specifics of ILS and LMS as well as corporate catalogue systems. Participants also get an insight into the biggest world and Kazakhstan library catalogues and learn how to use such catalogues on the example of the online library catalogue of the Home University.</p> <p>Module Materials:</p> <ol style="list-style-type: none"> 1. Библиотека будущего: 7 технологий, которые нам хотелось бы увидеть... [Library of the Future: 7 Technologies We Want to See] https://www.livelib.ru/translations/post/15144-biblioteka-budushego-7-tehnologij-kotorye-nam-hotelos-by-uidet 2. Клаус Шваб. Четвертая промышленная революция. Четвертая промышленная революция / К. Шваб — «Эксмо», 2016 — (Top Business Awards) [Klaus Schwab. The Fourth Industrial Revolution. Fourth Industrial Revolution / K. Schwab - "Ехмо" 2016] 3. Клаус Шваб., Николас Дэвис. Технологии Четвертой промышленной революции / Бомбора, 2018 г. [Klaus Schwab., Nicholas Davis. Technology of the Fourth Industrial Revolution / Bombor, 2018]. 	1	1%
	Practical lesson 2. To search, select and systematize online libraries of general access for librarians and in the areas of science.	1	1%
	Independent study 2. Self-study of individual topics of the theoretical course. Provide an analytical overview of online libraries on the topic with their findings.	1	2%
3 30.03. 2018	<p>Lesson 3. Web 2.0 Technologies and Social Media for libraries</p> <p>AIMS:</p> <ul style="list-style-type: none"> to know main principles and aims of the Web 2.0 instruments use in libraries; to learn about social media and their role in Web 2.0 operation; to learn about the use of RSS for Web 2.0. <p>ACHIEVED AIMS:</p> <p>Participants learn main principles and aims of Web 2.0 instruments as well as the role of social media in operation of the Library 2.0.</p>	1	1%

	<p>Participants get acquainted with the use of RSS for Web 2.0. They also receive life hacks on the use and operation of Library 2.0.</p> <p>Module Materials:</p> <ol style="list-style-type: none"> 1. Мобильные библиотеки. Мобильные библиотечные онлайн-услуги: сб.публ. / под ред. Дж.Нидхем, М. Элли, Я.Л. Шрайберг. – Спб. Профессия, 2012. 368с. [Mobile libraries. Mobile library online services: a collection of publications / ed. J. Nidham, M. Elli, J.L. Schreiber. - St. Petersburg. Profession, 2012. 368s.] 2. Туенбаева К.Т. Проект автоматизации библиотеки аль-Фараби. – Алматы, 2016 [Tuenbaeva K.T. Project automation of al-Farabi library. - Almaty] 3. Schnapp, Jeffrey T. The Library Beyond the Book [Text] : [monograph] / J. T. Schnapp, M. Battles, 2014. - 167 p. 		
	Practical lesson 3. Network services for creating and storing resources.	1	1%
	Independent study 3. The study of theoretical material. Prepare a presentation on the possibilities of using Web 2.0 tools in the library area.	1	2%
4 06.04. 2018	<p>Lesson 4. Library Mobile Apps (“M-libraries”)</p> <p>AIMS:</p> <ul style="list-style-type: none"> - to know the types of mobile apps; - to learn about the role of the Library Mobile Apps; - to practice the use of Library Mobile Apps. <p>ACHIEVED AIMS:</p> <p>Participants know main types of mobile applications (especially those used for library purposes) and are able to use them efficiently</p> <p>Module Materials:</p> <ol style="list-style-type: none"> 1. Маршак М.Б., Информационно-поисковые системы Интернета и систем автоматизации библиотек: точки соприкосновения и принципиальные различия. [Marshak MB, Information retrieval systems of the Internet and library automation systems: points of contact and principal differences]/ http://www.gpntb.ru/win/inter-events/crimea2003/trud/tom1/sec/Doc68.HTML 2. Мировые информационные ресурсы. Интернет: практикум / кол.авторов; под.общ.редак.П.В. Акинина – М: КНОРУС, 2008 – 256 с. [World information resources. Internet: Workshop / Coll. under. Akinina - M: Knorus, 2008 - 256 p.] 	1	1%
	Practical task 3. To study mobile applications for libraries and their main services.	1	1%
	Independent study 3. The study of theoretical material. Prepare a presentation on the possibilities of using Web 2.0 tools in the library area.	1	2%
5 13.04. 2018	<p>Lesson 5. Virtual Reference and Ask a Librarian Services</p> <p>AIMS:</p> <ul style="list-style-type: none"> - to know the types of Virtual (Digital) Reference Services; - to know the main advantages of Virtual (Digital) Reference Services; - to get acquainted with the Ask a Librarian Service. <p>ACHIEVED AIMS:</p>	1	1%

	<p>Participants get to know about the Virtual Reference and Ask a Librarian Services and come up with the ideas of improvement of such services in the libraries of their Home Universities.</p> <p>Module Materials:</p> <p>1. Джон В. Ричардсон. Англо-русский словарь по библиотечной и информационной деятельности. – Лос-Анджелес, Калифорния. ITA Press. 2013 [John V. Richardson. English-Russian Dictionary of Library and Information Activities. - Los Angeles, California. ITA Press. 2013]</p> <p>2. Жабко Е.Д. Справочное обслуживание в сетевой среде: от локального обслуживания к национальным корпоративным службам // Библиотечные компьютерные сети: Россия и Запад. М., 2003. Вып. 2. С. 147-158. [Zhabko E.D. Reference service in a networked environment: from local services to national corporate services // Library computer networks: Russia and the West. M., 2003. Issue. 2. P. 147-158.]</p>		
	<p>Practical assignment 4. Virtual reference service of libraries. Virtual services of libraries: "Virtual reference", "Electronic delivery of documents", etc.</p>	1	1%
	<p>Independent study 5. To study the experience of foreign countries in providing virtual library services and to offer suggestions for developing new services.</p>	1	2%
<p>6</p> <p>20.04. 2018</p>	<p>Lesson 6. <i>Electronic Documents Delivery and Inter Library Loans</i></p> <p>AIMS:</p> <ul style="list-style-type: none"> - to know now the main features of Electronic Documents Delivery and Inter Library Loans and main differences between them; - to discuss and come to a conclusion: which of these two services would be the priority one in future; - to find out which of the data-passing formats is technically more justified for the Electronic Documents Delivery; - to learn about the copyright issues acute for the Electronic Documents Delivery. <p>ACHIEVED AIMS:</p> <p>Participants differentiate between the Electronic Documents Delivery and Inter Library Loans. They are able to use these services and have practical experience of searching within major scientific data bases. Participants also get an insight into the copyright issues and familiarize themselves with the basic agreement templates for provision of library services.</p> <p>Module Materials:</p> <p>1. Использование научных исследований для продвижения грамотности и чтения в библиотеках/ Lesley Farmer and Ivanka Stricevic The Hague, IFLA Headquarters, 2011. –33p. 30 cm. – (IFLA Professional Reports : 128) (Russian translation of IFLA Professional Report 125) ISBN 978-90-77897-51-5 ISSN 0168-1931.</p> <p>2. Ричард Сайерс. Принципы формирования для достижения информационной грамотности, учебный пример. / ЮНЕСКО, 2009. Перевод: Людмила Фунсо [Richard Sayers. Principles of formation to achieve information literacy, a case study. / UNESCO, 2009. Translation: Lyudmila Funso]</p> <p>Topic 7. Federated Search: new options for libraries in the Digital Age.</p>	1	1%

	Practical task 6. Make a list of normative documents of libraries. To study the normative documents on copyrights.	1	1%
	Independent study 6. The study of theoretical material on the topic. Give a proposal for the development of an internal provision for the delivery of documents.	1	2%
7 27.04. 2018	<p>Lesson 7. <i>Federated Search: new options for libraries in the Digital Age</i></p> <p>AIMS:</p> <ul style="list-style-type: none"> - to learn the main features of Federated Search: its pros and cons; - to discuss and reveal the advantage of Federated Search over Discovery Service; - to get familiarized with the practical use of Federated Search: compare it with Discovery Service in terms of relevance and validity of entries; - to learn about “Library of the Future” and Federated Search as a new option for libraries in the Digital Age; - to learn about various Federated Search Tools. <p>ACHIEVED AIMS: Participants acquire profound knowledge of the Federated Search operation and learn to use various Federated Search Tools.</p> <p>Module Materials: 1. Хлыстова, А. И. Продвижение научных журналов открытого доступа в международные базы данных на примере DOAJ = Promoting open access scientific journals to global databases on the example of DOAJ / А. И. Хлыстова, М. И. Митрофанов, А. В. Скалабан // Материалы Третьего Международного профессионального форума «Книга. Культура. Образование. Инновации» (“Крым-2017”), 3-11 июня 2017 г., Судак, Республика Крым, Россия [Электронный ресурс] / ГПНТБ России : Ассоц. ЭБНИТ. - Москва, 2017. [Materials of the Third International Professional Forum "Book. Culture. Education. Innovations" ("Crimea-2017"), June 3-11, 2017, Sudak, Republic of Crimea, Russia [Electronic resource] / Russian National Public Library for Science and Technology: Assoc. ELNIT. - Moscow, 2017.]</p>	1	1%
	Practical task 7. Search for information in reference and bibliographic sources. Thematic search for information on the Internet.	1	1%
	Independent study 7. Prepare a presentation about the tools for finding documents and introduce it in class on information literacy for first-year students.	1	2%
8 04.05. 2018	<p>Lesson 8. <i>Using LibGuides for Library research and Information Literacy</i></p> <p>AIMS:</p> <ul style="list-style-type: none"> - to learn about E-Resources – Catalogues – LibGuide; - to get familiarized with the structure and content of LibGuide; - to discuss practical implementation of LibGuide tools; - to get to know how to use LibGuide for the purpose of finding relevant references and materials in the field of research. <p>ACHIEVED AIMS: Participants have a deep insight into the essence and use of LibGuide, learn to work with it, find the relation between the LibGuide and IL</p>	1	1%

	<p>as well as come up with the suggestions of LibGuide improvement for their Home University Libraries.</p> <p>Module Materials:</p> <p>1. В.М. Московкин. Базы данных научной информации и онлайн-поисковые инструменты: использование для управления знаниями. [1. V.M. Moskovkin. Scientific information databases and online search tools: use for knowledge management.]</p> <p>2. Хесус Лау. Руководство по информационной грамотности для образования на протяжении всей жизни. [Jesus Lau. A guide to information literacy for lifelong learning.] https://www.ifap.ru/library/book101.pdf.</p>		
	Practical 8. Use LibGuide to find relevant references and materials in the field of research.	1	1%
	Independent study 8. To study a theoretical material on a subject. Strengthen the skills of using LibGuide to find relevant references and materials in the field of research.	1	2%
9 11.05. 2018	<p>Lesson 9. Introduction to Open Access and Open Source for Information Literacy</p> <p>AIMS:</p> <ul style="list-style-type: none"> - to learn about Open Access and Open Sources; - to be able to differentiate between Information and Computer Literacy; - to discuss Open Access: its types and specifics; - to get familiarized with copyright and its impact on Open Access; - to learn about anti-plagiarism and its impact on Open Access; - to get deep insight into Open Access and Open Sources for the purpose of studying and research. <p>ACHIEVED AIMS:</p> <p>Participants get acquainted with the Open Access and Open Sources, learn essentials of the copyright and anti-plagiarism and their influence on Open Access, learn to use Open Access and Open Sources for study and research purposes.</p> <p>Module Materials:</p> <p>1. Рахматуллаев М. А. Мировые информационные ресурсы. (Методическое пособие). – Т.: «Fanvatechnologiya», - 2017, 196 с. [Rakhmatullaev M. A. World Information Resources. - T.: "Fanvatechnologiya", - 2017, 196p.]</p> <p>2. А.М. Блюмин. Мировые информационные ресурсы. – Москва, 2013. [A.M. Blyumin. World information resources. - Moscow, 2013].</p>	1	1%
	Practical lesson 9. Review of scientific resources of open access.	1	1%
	Independent study 9. Prepare a presentation on examples of using open access materials in scientific work.	1	2%
10 18.05. 2018	<p>Lesson 10. Getting the most from Institutional Repositories</p> <p>AIMS:</p> <ul style="list-style-type: none"> - to learn about databases: their aims and types; - to get familiarized with the structure and main goals of Institutional Repositories; - to discuss main features of Institutional Repositories and their practical implementation; - to learn about Metadata in Repositories: its benefits; 	1	1%

	<p>- to get to know how to use Institutional Repository for research and study.</p> <p>ACHIEVED AIMS: Participants get familiarized with various types of databases, and specifically with the Institutional Repositories. They learn about their structure and aims, as well as become capable to use them and teach customers to use them for data mining. Participants also get an insight into the University Repositories containing Metadata that can be used for research and study. As a result they are able to design a University Repository based on customer-oriented concept of usability.</p> <p>Module Materials: 1. A Guide to Using Web 2.0 in Libraries / Scottish Library and Information Council (SLIC), from http://www.slainte.org.uk/files/pdf/web2/Web2GuidelinesFinal.pdf 2. Jasek, C. (2004). How to Design Library Web Sites to Maximize Usability. – ELSEVIER, from http://digital.csic.es/bitstream/10261/2926/1/howtodesign%5B1%5D.pdf</p>		
	Practical assignment 10. To study the repository and access to research information of libraries.	1	1%
	Independent study 10. Prepare a presentation about university repositories and give suggestions for improving the use of KazNU repositories.	1	2%
25.05, 01.06 2018	Consultation	2	
15.06, 22.06 2018	Examination	4	60%
	Total grading of the course (including home assesments)	36	100%