

Master of Library and Information Science (MLISc)

One Year Programme of Two Semesters

FIRST SEMESTER

Course Code	Course Title	Theory/ Practical	Credits	Internal Marks	Exam Marks	Total
ML-101	Knowledge & Communication	Theory	4	25	75	100
ML-102	Information Processing and Retrieval	Theory	4	25	75	100
ML-103	Marketing of Information Product and Services	Theory	4	25	75	100
ML-104	Information System and Programme	Theory	4	25	75	100
ML-105	Knowledge Organization and Information processing: Practice-I (AACR-2)	Practice	4	25	75	100
ML-106(a) ML-106(b) ML-106(c)	Elective Paper: Digital Library Information literacy Intellectual Property Right	Theory	4	25	75	100
	Maximum marks of I semester		24	150	450	600

SECOND SEMESTER

Course Code	Course Title	Theory/ Practical	Credits	Internal Marks	Exam Marks	Total
ML-201	Application of Information Technology	Theory	4	25	75	100
ML-202	Application of Information Technology	Practice	4	25	75	100
ML-203	Research Methods and Statistical Techniques	Theory	4	25	75	100
ML-204	Informatics and Scientometrics	Theory	4	25	75	100
ML-205	Knowledge Organization and Information Processing :Practice II (UDC 3 rd Ed.1961)	Practice	4	25	75	100
ML-206	Internship**			25	75	100
	Maximum Marks of II Semester		20	150	450	600
	Total marks of I & II Semester			300	900	1200

**As per the ordinance of Library and Information Science of the University of CSJM, Kanpur, each student shall have to undergo an internship of 30 days immediately after the second semester examination. The original certificate of such training has to be submitted to the concerned college /university(where student is enrolled) for Final Result. A viva voce and report based on training will be evaluated by the internal and external examiner appointed by the university.

Note: Only paper (ML-202) Information Technology will be evaluated by Internal and external Examiner appointed by the university.

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Master of Library and Information Science (MLISc)

Program Outcome: After studying this PG program in the field of library and Information science, the student shall be able:

- 1- To work as a library professional in different libraries of national and international repute.
- 2- They will be equipped with technical knowledge of this field.
- 3- The students will be trained to handle fully computerized library.
- 4- The students will be provided a detailed knowledge and training of Library management Software.
- 5- Program will help to crack UGC-NET and SET examinations conducted by different States.
- 6- Demonstrate skills in providing various library services such as document circulation, reference and information services, Internet and database searching.

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Program: MLISc	Year I	Semester I
Course Code : ML-101	Course Title: Knowledge and Communication	
Course Outcome: After studying this course student shall be able to know about the concept of information its attributes, information generation. They will be known about Communication process its different models and channels. The students shall be able to know the concept Knowledge Management and its different models. They will be able to extend their knowledge about role of nation in information policies		
Credit :4	Core: Compulsory	
Max. Marks :25+75	Min. Passing Marks:10+30	
Number of Lecture (per Week) :		4 Hours
Unit	Topic	No.of Lectures 15
I	Information Nature and attribute. Information: Nature, Properties, Types and Scope. Conceptual difference between Data, Information and Knowledge. Information Generation: Modes and forms, Information Theory, Information Diffusion Process.	15
II	Knowledge Management Knowledge Management: Definition, concept, need, and models. Components and process of Knowledge Management, Types of Knowledge ,Information Management Vs Knowledge Management	15
III	Communication Process Communication: Genesis and Characteristics Communication Process, Types and Media Communication Channels and Models Communication of Information and Barriers to I.C.	15
IV	Information Policies: National Program and Polices National Information Policy (NIP) National Mission on Libraries(NML) National Knowledge Commission (NKC) Changing role of Library and Information Centre in modern Information Society.	15

Suggested Reading:

- 1- Khan, M.T.M. (1998). Information organization and communication. New Delhi: Ess Ess Publications.
- 2- Parashar, R.G. (2003). Information and its communication. New Delhi: Medallion Press.
- 3- Rakowski, R.(2007). Knowledge Management: Social, cultural and theoretical perspective. U.K.: Chandos Publishing
- 4- Sharma, S. & Gopal S. (2011). Applications of Knowledge Management in digital era. New Delhi: GNOSIS

Suggestive Digital Platform Web links:

1. <http://lisstudymaterial.wordpress.com>
2. <http://inlibnet.ac.in>
3. [http:// library.soup-blogspot.com](http://library.soup-blogspot.com)

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Course Code : ML-102	Course Title: Information Processing and Retrieval (Theory)
Course Outcome: To go with this course student shall be able to know about the different Techniques of retrieval, Indexing service which help his/her in different library services. It also focuses on modern IRS techniques. ISBD, MARC, CCF are also a part of study.	
Credit :4	Core: Compulsory
Max. Marks :25+75	Min. Passing Marks:10+30
Number of Lecture (per Week) :	4 Hours

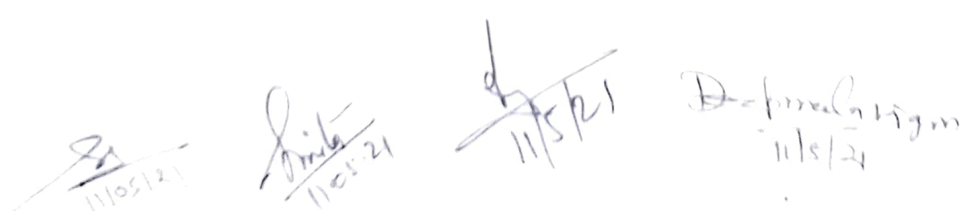
Unit	Topic	No of Lectures
I	Information retrieval IRS: concept and definition objectives operation and design of information retrieval system. IRS evaluation: precision, recall, vector scale, response time. IR Model: General Introduction, probabilistic, algebraic and logical model, information theoretic model	15
II	Standard in Bibliographic Record format & description ISBD, MARC 21, CCF, FRBR, Bib frame, Dublin core Standard for bibliographic information exchange and Communication: ISO - 2709, Z39.50, Z39.71	15
III	Indexing: Specific Aspects Indexing: Concept, definitions, functions. Citation Indexing: concept definitions: SCI and SSCI. Thesaurus Construction	15
IV	Search Techniques Search Strategy: Concept . Meaning ,Preparation of search strategy Search Techniques: Boolean operator, Fuzzy searching, Case sensitive searching, Truncation, proximity.	15

Suggested Readings:

- 1- Chowdhury, G.G. (2010). Introduction to model information retrieval system (3rded.). London: Facet Publishing.
- 2- Lancaster, F.W. (2003). Indexing and abstracting in theory and practice. Urbana: University of Illinois.
- 3- Rajan, T.M. (1981). Indexing Systems: concepts, models and techniques. Calcutta: IASLIC.
- 4- Salton G. & McGill, M.J. (1983). Introduction to modern information retrieval. New York: McGraw-Hill.
- 5- Chu.Heting (2003)Information Representation and Retrieval in Digital age .-2nd edition [s.l.]:Information Today

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Course Code : ML-103 | **Course Title:** Marketing of Information Products and Services
Course Outcome: After studying the course students shall be able to understand the concept and scope of principles and functions of library marketing. Develop an understanding of the concept of marketing, E- marketing and strategy and economics of information product. This course will make the students able to manage library and information centre for providing quality service to the users , efficiently carry out various functions of library and information centers.

Credit : 4 | **Core:** Compulsory

Max. Marks : 25+75 | **Min. Passing Marks:** 10+30

Number of Lecture (per Week) : 4 Hours

Unit	Topic	No. of Lectures
I	Marketing concept and information Product Marketing: Concept, Definitions, Need, Functions Information Products: News Letter, House Journal, Technical Digest, State of Art Report .Packaging and Repackaging of Information	15
II	Marketing Strategy Distribution Channels .Marketing Mix .Marketing Strategy: SWOT Analysis, PERT/CPM ,Six Sigma. Content Analysis: Techniques , Methods and Purpose	15
III	Information Analysis and Consolidation centre Referral Centre: Need & functions .Data Centre: Concept, Definitions, types and functions. Information Analysis Centre (IAC) Types and their organization. Planning and Organization of Information Analysis and Consolidation Centre	15
IV	E –Marketing Information as a Marketable Commodity .Distribution and Marketing of Information , E-Marketing: Concept, strategies, Use, Advantages , Information Audit: Role. Scope, Methodology, Market Segmentation. Electronic Content Creation	15

Suggested Reading:

1. Gupta, D. K., et al.(2006). Marketing Library and Information service: International perspectives. Munich: K. G. Saur.
2. Kotter, Philip.(2002). Marketing Management. Delhi: Prentice Hall.
3. Chopra, H.S.(1996). Information marketing. Jaipur: Rawat Pub.
4. Jain, Abhinandan K,et.al.(1999). Marketing information products and services: A primer for libraries and information professionals. New Delhi: Tata Mcgraw Hill.

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Course Code : ML-104		Course Title: Information Systems and Programme	
Course Outcome: After studying this course, students shall be able to provide the services to the users by using national and international information centers and system. They will be able to use national and International information system and services rendered by prestigious institute.			
Credit :4		Core: Compulsory	
Max. Marks :25+75		Min. Passing Marks:10+30	
Number of Lecture (per Week) :		4 Hours	
Unit	Topic	No.of lectures	
I	Information System Information Systems: Concept, Definition, Characteristics, Objectives, Types and constraints .Information centre: Data Banks, Clearing Houses	15	
II	National organization and Programme Planning and Designing of National Information System National Information System in India: NASSDOC, NISCAIR, NISSAT, ENVIS, DESIDOC ,SENDOC	15	
III	Information System & organizations INFLIBNET , DELNET , ICAR, ICMR, CSIR. E-Shodhsindhu, NKRC (National knowledge Resource consortia.)	15	
IV	International organizations and Programme MEDLARS, AGRIS, INIS ,INSPEC	15	
Suggested Reading:			
1- Grassian, E.S. (2005). Learning to lead and manage information literacy instruction. New York: Schuman Publishers. 2- Vickery, B.C. (1987). Information Systems Washington: Butterworths. 3- Baman, P.(1993).Studies on Information Systems, Services and Programmes in India and abroad. Delhi: Ajnata. 4- Atherton, Pauline.(1997). Handbook of Information System and Services. Paris: UNESCO			
Suggestive Digital Platform Web links:			
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Course Code : ML-105	Course Title: Knowledge Organization and Information processing: Practice-I (AACR-2)	
Course Outcome: This is a practical course .After practicing students will be able to catalog the reading material as books and periodical according to AACR-2. Besides they will be abreast to catalog non book material. The modern technology of Machine readable catalog (MARC -21) will be focused.		
Credit :4	Core: Compulsory	
Max. Marks :25+75	Min. Passing Marks:10+30	
Number of Lecture (per Week) :	4 Hours	
Unit	Topic	No. of Lectures
I	Cataloguing of Multi Volume Books .Cataloguing of Composite Books - With collective Title (Ordinary Composite books) - Without Collective Title (Artificial Composite books)	15
II	Cataloguing of documents related to corporate authorship - Government Publications - Institution publications - Conference /congress/seminar /Workshop Publications	15
III	Cataloguing of serial/ journal Publication Complex problem of serial Publication, Introduction to MARC -21	15
IV	Cataloguing of Non –Book Materials - Cartographic Materials - Manuscripts - Sound Recordings - Motion Pictures and Video recordings – Microforms.	15
Note: Library of Congress List of Subject Headings will be followed.		
Suggested Reading:		
<ol style="list-style-type: none"> 1. AACR-2 Ed 1988 2. Krishan Kumar. An Introduction to Cataloguing Practice. New Delhi: Vikas Publishing 3. Nigam , Deepmala. "Cataloguing Practice: CCC and AACR-2R" Ess Ess Publication, New Delhi,2019 		
Suggested Continuous Evaluation Methods: Internal Evaluation 25 Marks: 20 Marks (2 Tests –10 Marks each) 05 Marks (Assignment) External Evaluation 75 Marks.		
The paper will be divided into Three Sections A, B and C.		
Section. A will consist of 3 Titles Type. Out of which only 2 titles examinee will attempt.		
Section B will consist of 3 Titles from Periodical and Corporate Bodies, out of which only 2titles examinee will attempt. Section C will consist of 2 Titles from, one from Non-Book Material and one from MARC 21. Out of which only 1 title examinee will attempt .Each Title carries 15 marks.		

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Course Code : ML-106(a)		Course Title: Digital Library
Course Outcome: After studying this course the students will be abreast the techniques of digitization of the reading material .The modern concept of converting traditional library into Digital library will help the students to a great extent. The Students will be able to use software of digital library.		
Credit :4		Core: Elective
Max. Marks :25+75		Min. Passing Marks:10+30
Unit	Topic	No. of. Lecturer
I	Digitization Concept and meaning Digitization Concept, meaning, Need. Selection of material for digitations. Steps of digitization: Scanning, indexing, storing, and retrieving. Tools of digitization: Scanners, type of scanners: Flatbed scanners, Sheet feed scanner. Drum scanners etc	15
II	Technology of digitization: Technology of digitization: Bit depth, Resolution, threshold, Image enhancement Compression: loose less compression and lossy compression, Compression Protocol.OCR Technology, File format and media types.	15
III	Digital Library Digital library: Concept and meaning, history ,need and purpose Features, Advantages and Challenges of Digital Library. Impact of Digital library on the Society.	15
IV	Software Digital Library Software: DSPACE and E-PRINTS Digital Rights and Digital Rights Management. National Digital Library and World Digital Library: Overview	15
Suggestive Reading: IGNOU Study material		
<p>Web link : 1-www.researchget.net article of Arora, Jagdish, "Building Digital Libraries: An Overview" Published in DESIDOC Bulletin of Information Technology</p> <p>2- DSpace Manual, Release 1.6.2. http://www.dspace.org/1_6_2Documentation/DSpace-Manual.pdf</p> <p>3- DSpace Release 1.6.2 Notes. https://wiki.duraspace.org/display/DSPACE/DSpace+Release+1.6.2+Notes</p> <p>3-Singh ,Rajesh Kumar " Digital Libraries : Methods and Applications (eBook)at Bibliotex.com</p> <p>4-"Illustrated Hand Book of Digital Libraries" by editorial Board Available on Internet and CD-Rom</p> <p>5-Angelique P, Gonzalez "Digital Libraries :Methods and Applications" eBook.</p>		

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Course Code : ML-206(b)		Course Title: Intellectual Property rights
Course Outcome: After studying this course the students will have the knowledge of Intellectual property Right, its meaning, objectives and historical growth.		
IPR relation with trade mark Patents, Copyrights etc.		
Credit :4		Core : Elective
Max. Marks :25+75		Min. Passing Marks:10+30
Unit	Topic	No. of Lectures
I	IPR: Basics of intellectual property meaning and definition need. Product under IPR: Patent ,Trademarks, Copy right ,Industrial design right	15
II	IPR Infringement – Patent, copyright, trademark. Intangible Economy. Copyright: History and Indian copyright Act with amendments. Information Technology Act and its amendments.	15
III	IP users: Inventors , organizations. Authors. Musical and sound recorder etc WIPO, Berne Convention, Paris convention	15
IV	Plagiarism :Plagiarism: Concept and meaning, History Plagiarism checking Software: Free and proprietary Software Turnitin , URKUND Information Technology Act, 2000 and amendments .	15
<p>Suggested reading:</p> <p>1-Cornish, William(2010) “Intellectual Property: Patents,copy right , Trademark and allied rights</p> <p>2-Chawla, Alka (2013) “Law of copy right: Comparative Perspective</p> <p>3-Ahuja, V.K. (2015) “Law of copyright and neighboring rights: National and International Perspectives.</p> <p>4-Aplin ,Tanya (2005) “Copyright law in the Digital Society: The challenges of Multimedia”</p> <p>5-Kanvaria, V. (2015). Plagiarism, Citation and Referencing: issues and styles. USA: Vinod Kanvaria.</p> <p>6- Anil Kumar H S & Ramakrishna B. (2017).Fundamentals of Intellectual Property Rights: For Students, Industrialist and Patent Lawyers. Chennai: Notion</p> <p>6- Journal of Intellectual Property Right. BI-monthly. New Delhi: NISCAIR.</p> <p>Web link:</p> <p>1 www.orkund.com</p> <p>2.www.turnitin.com</p>		

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Course Code : ML-106 Course Title: (c) Information Literacy

Course Outcome : After studying this course the students shall be able to understand the concept of information literacy, its models, literacy programme and also web based information literacy techniques.

Credit : 4

Core: ~~Compulsory~~ Elective

Max. Marks : 25+75

Min. Passing Marks: 10+30

Number of Lecture (per Week) :

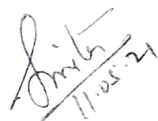
4 Hours

Unit	Topic	No. of lectures
I	Fundamental of information literacy: Concept, Need and Objectives Areas of Information Literacy. Standard and Models in information Literacy. role of Institution in information Literacy	15
II	Methodology of information literacy : Information Literacy Products: Library Brochure, Database Brochure, Web-based Access Instructions, Information Bulletin Designing of Information Literacy Programme Implementation of Information Literacy Programmes	15
III	Application of information literacy in library and information centres: Information Literacy for Users, Information Literacy for Professionals, Information Literacy for Research and Development.	15
IV	Trends in information literacy: Web based Information Literacy System OPAC Information Literacy System, Life Long Learning System	15

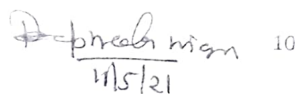
Suggested Reading:

1. American association of school librarians and associations for educational communications and technology. Information Standards for Student Learning. (1998) American Library Association, Chicago.
2. American library association. Information Literacy: a position paper on information problem solving (2000). available at : www.ala.org/assl.positions/PS_infolit.html (accessed 21 July 2003)
3. Association of college and research libraries. Objectives for Information Literacy Instruction: A Model Statement for Academic Librarians. (2001). ACRL. available at : www.ala.org/acrl/guides/objinfolit.html (accessed 21 July 2003)
4. Baldwin (v a). Information Literacy in Science & Technology Disciplines. Library Conference Presentation and Speech. (2005). University of Nebraska, Lincoln. http://digitalcommons.unl.edu/library_talks/11
5. Delcourt (M) and HIGGINS (C A). Computer technologies in teacher education: the measurement of attitudes and self-efficacy. Journal of Research and Development in Education. (1993). 27: 31-7.
6. Eisenberg (M B) et al. Information Literacy: Essential Skills for the Information Age. 2nd ed. (2004), Libraries Unlimited, Westport.

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7. Grassian (E S). Learning to lead and manage information literacy instruction.(2005) Neil Schuman Publishers. New York.
8. Grassin (E S) and KAPLOWITZ (J R). Information Literacy Instruction: Theory and Practice. (2001). Neal Schuman: New York.
9. Smith (S). Web-based Instruction. A Guide for Libraries. (2001). American Library Association:Chicago.
10. Tight (M).Lifelong Learning: Opportunity or Compulsion?. British Journal of Education Studies.Vol. 46: 3 September 1998: 251-263.

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SECOND SEMESTER

Master of Library & Information Science

Course Code : ML-201		Course Title: Application of Information Technology
Course Outcome: After going through this course students shall be able to know about electronic publishing, its usefulness .He or She shall be able to know about different modules of Koha library software. Besides, the Course offers the knowledge of information technology describe how the information, communicate over the network environment, Working of Internet, protocols ,different databases in the different subject field .		
Credit :4	Core: Compulsory	
Max. Marks :25+75	Min. Passing Marks:10+30	
Number of Lecture (per Week) :		4 Hours
Unit	Topic	No.of Lectures
I	Information Technology: Genesis, definition, need and objectives. Number system. Electronic Publishing: E-Journals, E- Books. Open source software v/s proprietary software Opensource Software: KOHA etc	15
II	Transmission Transmission media: Twisted pair, Coaxial cable, optical fiber, Microwave Communication, Satellite. Switching Techniques: Circuit switching, Messageswitching, Packet switching. Open system interconnection (OSI) model of networking	15
III	Internet and Its services Internet: Origin , meaning , development and services .Internet Protocols : Meaning, Different protocols-TCP/IP;FTP;HTTP; Z39.50 Internet working tools: Bridges, Routers, Gateways, Web BrowsersSearch Engines, meta search engine.	15
IV	Database Concept , meaning , features, Database architecture DBMS: meaning Types, merit & demerits . Databases in LIS: Web of Science, Google scholar, SCOPUS .	15

Suggested Readings:

1. Brown, Christopher & Bell, Suzanne (2018). Librarian's guide to online searching: cultivating databaseskills for research and instruction. 5th ed. London: Libraries Unlimited
2. Clayton, Marlene (2018). Managing library automation. 2nd ed. London: Routledge.
3. Markey, Karen (2019). Online searching: A guide to finding quality information efficiently and effectively. 2nd ed. Lanham, Maryland: Rowman & Littlefield Publishers.
4. Marmel, Elaine (2015). Office 2016 Simplified. Hoboken. New Jersey: John Wiley & Sons.
5. Mishra, Vinod Kumar (2016). Basics of library automation, Koha library management software and data migration: Challenges with case studies. New Delhi: EssEss Publications
6. Singh, Prem and Khanna, J K.(1994). Information technology in the Libraries. Delhi: Pragati Publication.
7. Frye, Curtis. (2002). Microsoft Access Version 2002.Delhi: Prentice Hall.
8. Parashar, R.G.(1991). Indian Library in IT environment. Ludhiana: Medallian press.
9. Blake,U. Computer network: protocols. standard and interfaces 2ndedition. New Delhi: Prentice hall
- 10-Ackermann (Ernest). Learning to use the Internet: An introduction with examples and experiences. BPB.

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3. [http:// library.soup-blogspot.com](http://library.soup-blogspot.com) .

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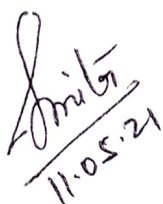
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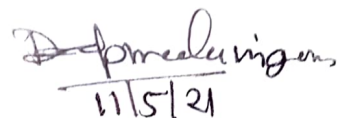
Course Code : ML-202		Course Title: Application of Information Technology(Practice)	
Course Outcome: After Practicing this course, the students student shall be able to implement library software in the library, besides he/she will be able to design website also using HTML technology. The practical knowledge of Advanced search techniques is another benefit of this course.			
Credit :4		Core: Compulsory	
Max. Marks :25+75		Min. Passing Marks:10+30	
Number of Lecture (per week) :		4 Hours	
Unit	Topic		No. of Lectures
I	HTML programming: Web Page Creation		15
II	Joomla: Content Management System		15
III	Library Automation Software : KOHA		15
IV	Online Advance Search		15

Note: Only paper (ML-202) Information Technology (Practice) of 75 marks will be evaluated by internal and external Examiner appointed by the university.


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Course Code : ML-203

Course title: Research Methods and Statistical Technique

Course Outcome: After studying this course the students will be abreast the techniques of research, different types of research, how to prepare questionnaire, what is literature search how it is performed. Besides, these statistical techniques also left a great impact on students teaching and learning in research oriented environment.

Credit :4

Core: Compulsory.

Max. Marks :25+75

Min. Passing Marks:10+30

Number of Lecture (per Week) :

4 Hours

Unit	Topic	No.of Lecture
I	Introduction to Research Concept, meaning, need and process of Research , Ethical aspect of research , Types of research: Fundamental & Applied , Research Problem and Research Design ,Hypothesis: Definition, Types, Sources and Functions , Literature search : Print & Non-Print	15
II	Research Methods: Scientific Method (Spiral of Scientific Method), Historical Method, Descriptive Methods(Survey and Case Study Methods), Experimental method , Research Techniques & Tools : Questionnaire, Schedule, Interview, Observation, Scales and check lists . Sociometric Techniques , Sampling Techniques	15
III	Data Analysis and Interpretation : Descriptive Statistics :Measures of central tendency- mean, median, mode , Tabulation and Generalization . Measures of dispersion, Standard Deviation . Graphical presentation of data – bar, pie, line graph, histograms Inferential statistics: Correlation, Regression- linear & non linear, chi-square test, Statistical package: SPSS	15
IV	Research Reporting & Style Manuals : Structure, Style, contents, guidelines for research reporting , Style Manuals: Chicago, MLA, APA	15

Suggested Readings:

1. Andres,A.(2009). Measuring Academic Research. how to undertake a bibliometric study. Oxford:
2. Chandos. Cameron. D. & Ostapowicz. L. (Eds.). (2015). Research Methods in Library and Information Science. Oakville, Canada:
3. Delve. Connaway. L.S. & Radford. M.L. (2016). Research Methods in Library and Information Science. (6th Ed.). Englewood: Libraries Unlimited
4. Creswell,J.W.(2009). Research Design: qualitative, quantitative and mixed methods approach. (3rd Ed.). New Delhi: Sage.
5. Creswell,J. W. (2014). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. (4th Ed.). New Delhi: Sage
6. Dane, F.C. (2017). Evaluating Research: methodology for people who need to read research. (2nd Ed.). New Delhi: Sage
7. Alvesson, M & Skoldberg, K. (2009). Reflection Methodology: new vistas in qualitative research (2nd rev. ed.). London: Sage Publications.
8. Devrajan, G. (2011). Prolegomena to Research Methodology. New Delhi: Es, Es, Publishing
9. Das S. (2012). Research Methodology: methods, tools & examples. Jaipur: Yking books.

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10. Sharma, C.K. & Jain, M.K. (2009). Research Methodology. New Delhi: Shree Publishers.
 11. Saravanel (P)(1997) Research and Report Writing.
 12. Krishan kumar (1992) Research Methods in Library and Information Science .New Delhi: VikasPublishing House.

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3. [http:// library.soup-blogspot.com](http://library.soup-blogspot.com)

Course Code : ML-204 **Course Title: Informetrics and Scientometrics**

Course Outcome: The courses focuses new trends in research perspective as Journal Impact factor, utility of bibliometrics, informetrics laws,cybermetrics laws. Information science and its features and relation with other subjects.

Credit :4 **Core: Compulsory**

Max. Marks :25+75 **Min. Passing Marks:10+30**

Number of Lecture (per Week) : **4 Hours**

Unit	Topic	No.ofLecturer
I	Information Science Information Science : Definition scope and objective ,Information Science, Historical Background and Relationship with other Subject, Information Industry : General Introduction	15
II	Bibliometrics Laws and citation Analysis Bibliometrics: Concept and definition Scope and purpose Bibliometrics Laws : Bradford, Lotka, Ziph laws and their utility and application , Citation analysis, E- Citation, Bibliographic Coupling	15
III	Informetrics Informetrics : Definition Scope & Evaluation Webometrics & Cyber metrics ,Scientometrics: Overview	15
IV	Metrics Journal Impact Factor H Index , Index I10	15

Suggested Reading:

1. Dhawan, K.S. (2001). Reading in Library Science. New Delhi: Commonwealth.
2. Sardana, J.L.,Ed. (2002). Libraries and information studies in retrospect and prospect: Essay in Honour of D. R. Kalia. New Delhi: Concept publishing company.
3. Baruah, A. (2004). Library Science: Prospects in 21st century. New Delhi: Kilaro Books.
4. McIntosh, J. (Ed.). Library and Information Sciences: Parameters and Perspectives. Canada: Apple Academic Press.
5. Kawatra, P.S. (2000). Textbook of Information Science. New Delhi: A.P.H. Publishing

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Course Code : ML-205	Course Title: Knowledge Organization and Information processing: Practice II (UDC 3 rd Ed.1961)
Course Outcome: After learning this practice paper students shall be able to classify depth subject in special libraries and institute by using universal Decimal classification This scheme.course will also make them efficient, to use and classify complex subject.	
Credit :4	Core: Compulsory
Max. Marks :25+75	Min. Passing Marks:10+30
Number of Lecture (per Week) :	4Hours
Classification by Universal Decimal Classification Scheme (3 rd Abridged Ed.1961)	
<ul style="list-style-type: none"> • Introduction of scheme: History, Structure, Principles • Introduction to common Auxiliaries and Special Auxiliaries • Adequate Number of titles from all Disciplines • Use of common and special Auxiliaries 	
Candidates will be required to Classify 15 titles in all Note: The written Paper will be of 75 Marks.	
Course Code : ML-206	Course Title: Internship
As per the ordinance of Library and Information Science of the University of CSJM, Kanpur, each student shall have to undergo an internship of 30 days immediately after the second semester examination. The original certificate of such training has to be submitted to college / university for final result.	

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