SWAYAM Courses: At a Glance

FREE ONLINE EDUCATION
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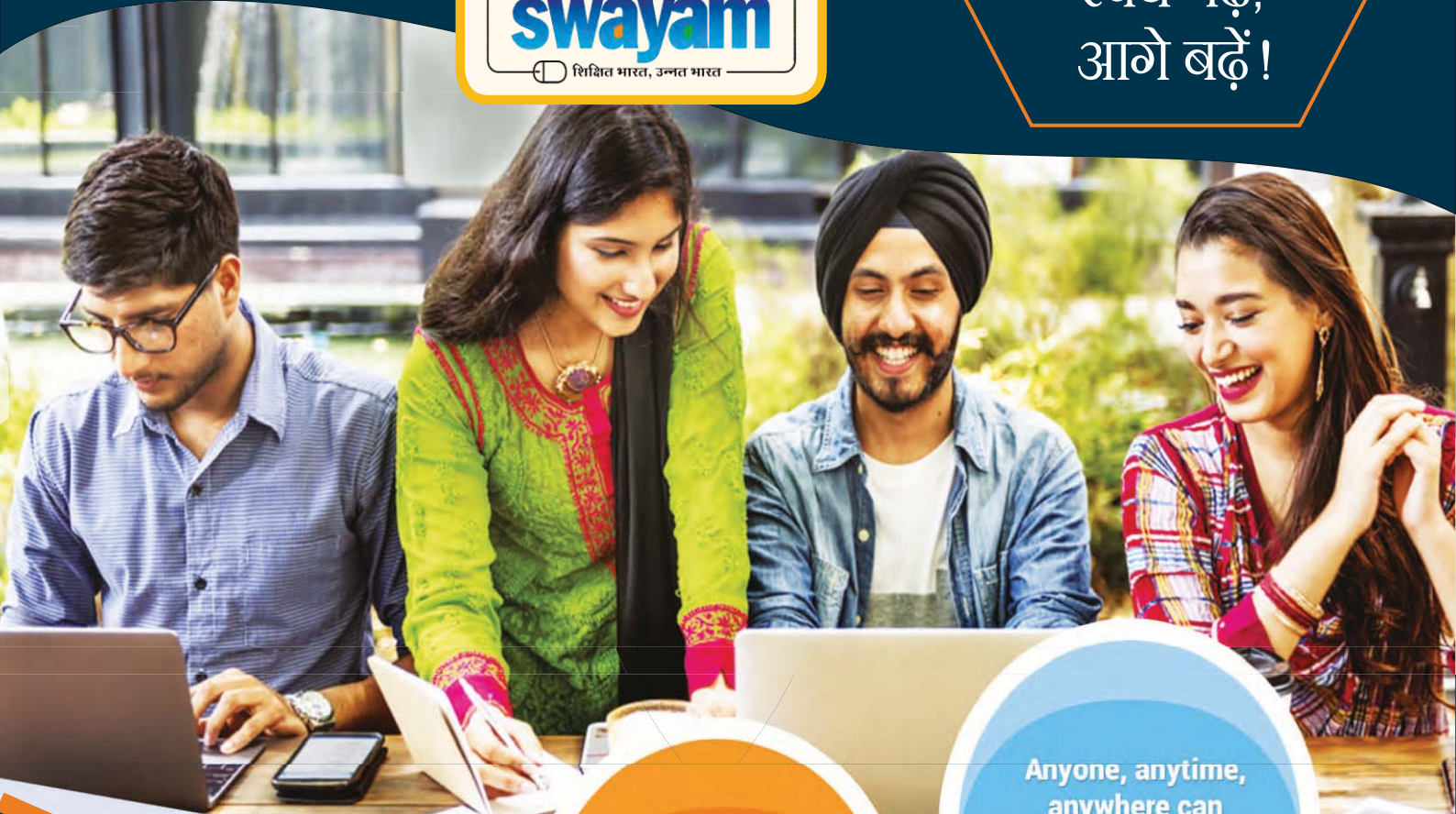
स्वयं पढ़ें,
आगे बढ़ें !

Thousands of Massive Open Online Courses available by best teachers from top institutions.

Anyone, anytime, anywhere can learn through mobile or laptop absolutely free.

Ministry of Human Resource Development
Government of India

July 2018

Message of the Chairman

The Indian higher education system is one of the oldest and largest in the world with 903 universities including Instituions of National Importance, 41, 012 colleges, 3.66 crore students and 12.84 lakh teachers. This massification of higher education brings along with it many issues which confront the higher education of our country today like, the issues of access, equity, relevance, quality, management and financing.

The ICT plays a major role in addressing these issues. In this context, Massive Open online courses are very successfully bridging the digital divide as through these courses quality education can be brought at the doorstep of every learner at virtually no cost. I congratulate the Ministry of Human Resource Development for this noble initiative which will bring a marked improvement in the quality of education being imparted in our country.The project would also help the students and teachers to update their knowledge and skills especially for those located in rural/backward/remote areas and would help the nation move towards an information-rich society.

I congratulate, Prof Rajnish Jain, Secretary, UGC, Dr(Mrs) Pankaj Mittal, Additional Secretary, UGC and her team in bringing out this document which will be very handy information booklet for our Vice Chancellors.

Wishing you all the best.

Prof. D P Singh

Chairman, UGC

Foreword

The phenomenal growth of ICT in the education system has had a tremendous impact globally. India has been quick enough to leverage technology for teaching learning processes as ICT has facilitated the accessibility to education andpromoting quality teaching and learning to learners of all age groups across the length and breadth of the country. Taking cognizance of such advancements , the Ministry of Human Resource Development, Government of India launched SWAYAM (Study Webs ofActive Learning for Young Aspiring Minds),   an indigenously developed platform aimed at providing learningopportunities to the learners through MOOCs (Massive Open Online Course) free of cost in a structured manner.

MHRD has identified nine National Coordinators for developing MOOCs from School to PG level on the platform , namely-NCERT for school education from 9th to 12th; NIOS for out of school children from 9th to 12th; Consortium for Educational Communication(CEC), an IUC of UGC, for Non-technology UG programmes; UGC for Non-technology PG programmes; IGNOU for Diploma and Certificate programmes; NPTEL for Technical/ Engineering UG & PG degree programmes; IIM for management programmes, NITTR, Chennai for Teacher Training programmes and AICTE for self paced programmes.

The MOOCS courses on Swayam being run by these National Coordinators (except for NPTEL) in the coming semester beginning from July, 2018 arecompiled in this document for easy reference of the Vice Chancellors and academicians.

I compliment my colleagues, Dr(Mrs) Pankaj Mittal, Additional Secretary, UGC and Dr Diksha Rajput, Publication Officer and her team in editing and compiling this document which will work as a ready reckoner for our users.

My Good Wishes for all.

Prof Rajnish Jain
Secretary, UGC

The MOOCs on the SWAYAM are high quality, curriculum-based, interactive content in different subjects across disciplines of social sciences, arts, fine arts, humanities, natural & mathematical sciences, linguistics, languages, technology, management, teacher training   and skill sector. These courses are developed by the best faculty of the country carefully chosen from various educational institutions across the country   from Secondary till Post-Graduation level. The basic philosophy of MOOCS on SWAYAM is free learning for Any one,   Any time, Any where (AAA) with the facility of credit transfer for upto 20% of the courses in a programme.

The MOOCS on SWAYAM follow a Four Quadrant Approach   comprising of Quadrant-I - e-Tutorial, which contains Video and Audio Content in an organised form, Animation, Simulations, video demonstrations, Virtual Labs, etc. , Quadrant-II - e-Content, which contains PDF, Text, e-Books, illustrations, video demonstrations, documents and Interactive simulations; Quadrant-III - Web Resources,   Open source Content on Internet, Case Studies, books including e-books, research papers & journals, Articles, etc. and Quadrant-IV - Self-Assessment, which contains Problems and Solutions, which could be in the form of Multiple Choice Questions, Fill in the blanks, Matching Questions, Short Answer Questions, Long Answer Questions, Quizzes, Assignments and solutions, Discussion forum topics and setting up the FAQs, Clarifications on general misconceptions etc.

This document   SWAYAM Courses : At a Glance " is a compilation of the Courses   developed by the Course Coordinators/Instructors of   eight National Coordinators and gives a bird's eye view of the Course objectives, learning outcomes, course duration,   credits and profile of the course coordinator for the learner. It is hoped that this document will enable learners and institutions to make informed choices about the MOOCS courses to be pursued in the coming semester, commencing from July, 2018.

The compilation and production of this document would not have been possible without the active support of   my colleagues in UGC, Dr Diksha Rajput, Mr Abhishek Anand and in INFLIBNET, Dr Jagdish Arora and Dr Abhishek Kumar. I am grateful to them for their support.

Wishing you a happy learning.

Dr(Mrs) Pankaj Mittal
Additional Secretary, UGC

**University Grants Commission
New Delhi**

Non-Technology Post Graduate Courses

MHRD

Non-Technology Post Graduate Courses

Contents

Non-Technology Post Graduate Courses

PROF. BHUSHAN TRIVEDI, PH.D.

Dean, Faculty of Computer Technology, GLS University,
Ahmedabad

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TYPE OF COURSE	:	UG as well as PG	**COURSE DURATION** :	15 weeks (15/08/2018 to 15/12/2018)
INTENDED AUDIENCE :		UG as well as PG	**EXAM DATE** :	15/12/18 to 15/01/19
			NO OF CREDITS :	4

PRE-REQUISITES : Preliminary Maths, Data Structures, introduction to any programming language

OBJECTIVE OF COURSE

Introduce the idea of how computers and other devices can be made to act like humans and solve problems with techniques different than conventional methods of solving problems.

LEARNING OUTCOME

• Describe what state space search is, convert a given problem in state space form, devise a solution
• Differentiate heuristic methods to solve AI based problems, judge the method needed to solve a typical problem.
• Narrate problems in using guided search and find solutions to those problems
• List and judge different search methods and their usage in different cases
• Use AI in Game Playing, Planning, solving constraint satisfaction problems, and other related problems
• List different knowledge representation techniques, judge most suitable technique
• Describe characteristics of and differentiate conventional system from an Expert system.
• Generate algorithms reasoning with uncertain and incomplete information
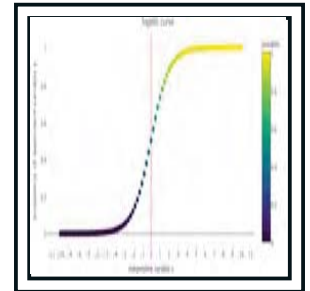
COURSE PLAN

W01:- Introduction to AI and State space search

W02:- Introduction to unguided and guided search

W03:- problems in search and solutions, Genetic algorithms

W04:- Neural Networks, BPNN, learning process in BPNN

W05:- Some other search methods and Admissibility

W06:- Planning

W08:- Game Playing

W09:- Minimax and other game playing algorithms

W10:- Using predicate logic for Knowledge Representation

W11:- reasoning using Resolution and non-monotonic reasoning

W12:- Fuzzy logic and CD to represent knowledge in a stronger way

W13:- Scripts and Introduction to Expert systems

W14:- Developing expert systems and Machine learning

ABOUT INSTRUCTOR

Prof. Trivedi has 4 patents, 96 papers and 3 books all published by Oxford University Press. He has 29 years of experience in teaching at post graduate level. Nine of his students received a Ph. D. degree and 5 more are perusing. He has written two EPG Pathshala courses out of which one is repurposed to MOOC. One more of his course proposal is accepted for the next cycle. He has conducted 25 workshops on effective teaching and a few other on research related topics across India.

PROF. DEEPAK H. KANNAL
Former Head & Dean, Faculty of Fine Arts, M.S. University, Baroda

TYPE OF COURSE : UG/PG
INTENDED AUDIENCE : UG/PG

COURSE DURATION : 15 weeks (2nd July'2018 to 13th Oct.'2018)
EXAM DATE : 15th Week of the course i.e 8thto13th Oct.2018
NO OF CREDITS : 4

PRE-REQUISITES : The learners are expected to have completed Graduation in any discipline and have knowledge about theoretical aspect of Art and Art History

OBJECTIVE OF COURSE

The main objectives of this course are –
- to discuss the problems pertaining to aesthetics, which is also called philosophy of art.
- to understand the theoretical aspect of art. Every civilization whether it is western or Indian has given a thought to the problems of art and from that thought the aesthetic theories have emerged.
- to discuss the western theories as well as the Indian theories and comparative study of it.
- to understand the similarities between the two and also the differences and also trace their evolution independently and collectively.
- -to give a thought to the differences between the aesthetic thought and the critical theories.

LEARNING OUTCOME

This Course will help to develop the understanding of philosophy of art and theoretical aspect of art. Every civilization whether it is western or Indian has given a thought to the problems of art and from that thought the aesthetic theories have emerged. The learner will understand the western theories as well as the Indian theories and comparative study of it.

COURSE PLAN

Week 01:- 1. Aesthetics: A Comparative Study, 2. Evolution of Aesthetic Theorization in India. 3. Bharata and his Natyasastra

Week 02:- 4. Theory of Rasa and its later exponents – I, 5. Theory of Rasa and its later exponents – II, 6. Vritti, Riti and style

Week 03:- 7. Alamkara : The Embellishment, 8. Chitrasutra of Vishnudhar mottara, 9. Theory of Dhvani – Bhartrihari

Week 04:- 10. Dhvani- Lakshana, 11. Dhvani– Vyanjana and Anandavardhana, 12. Shadanga : the Six Principles of Painting

Week 05:- 13. The Talamana : Iconometry, 14. The Medieval Shilpa texts in India, 15. Plato and the theory of Mimesis

Week 06:-16. Aristotle and the theory of Catharsis, 17. Horace and Longinus, 18. Medieval European Aesthetics

Week 07:- Assignment Week

Week 08:- 19. Renaissance Aesthetics, 20. Absolute Idealism, 21. Emanuel Kant and the Notion of Beauty

Week 09:- 1. Croce and Art as Intuition, 2. Sigmund Freud and Psychoanalysis I, 3. Sigmund Freud and Psychoanalysis II

Week 10:- 4. Psychoanalysis: Later Developments , 5. Formalism – Roger Fry and Clive Bell

Week 11: 6. Susanne Langer, 7. Feminist Aesthetics

Week 12:- 8. Sublime- Rediscovery, 9. Sublime- Post Modern view – Lyotard

Week 13 :- 10. Structuralism I, 11. Structuralism II, 12. Post-structuralism

Week 14 :- 13. Deconstruction, 14. Marxist Theories.

Week 15 :- Final Exam

ABOUT INSTRUCTOR

Prof. (Dr.) Deepak Kannal is a practicing sculptor and an Art Historian. He has a number of National level awards, scholarships and distinctions including the 'Charles Wallace fellowship' for his post doctoral project at Cambridge, UK, The National Lalit Kala commendation, Gujarat Lalitkala awards for sculpture, A.P. Council Biennale award and the Gujarat Gaurav as well as the Raja Ravi Verma Puraskar. He has curated sculpture shows in India and US and has participated in several important shows.

He taught in the Dept. of Art History and Aesthetics and also was the Head of the department, coordinator, UGC DSA program and the Dean of the Faculty of Fine Arts, Maharaja Sayajirao University of Baroda. He has worked on several prestigious bodies and committees of various institutions, Govt. Of India, University Grants Commission and a number of Universities. He is engaged in active research in Art History and Aesthetics and

PROF. I K RAVICHANDRA RAO
### Retd Professor, Documentation Research and Training Centre, Bangalore

TYPE OF COURSE	:	PG	**COURSE DURATION** :	10 weeks (13th Aug to 28st Oct, 2018)
INTENDED AUDIENCE :		UG/PG Students of Library & Information Science	**EXAM DATE** :	Date to be announced in December 2018
			NO OF CREDITS :	3

PRE-REQUISITES : **The learner should have basic knowledge of computers, acquaintance with traditional libraries using manual processes as well as computerized library operations and services offered by both types of libraries.**

OBJECTIVE OF COURSE

The objective of the course is to impart in-depth knowledge on Bibliometrics and Scientometrics including its scope and definition, computational aspects, parameters and indicators. Another objective of the course is to instil skills in learners that would enable them to collect and analyse Bibliometrics and Scientometrics data. This course will help learners to read and understand the scientific literature in the field of Scientometrics.

LEARNING OUTCOME

After successful completion of the course, learners would gain in-depth knowledge about bibliometrics and scientometrics. Learners will develop skills to collect, analyse and evaluate bibliometric scientometric data. Learners will be able to read understand bibliometric scientometric literature; and to carry out research in Scientometrics.
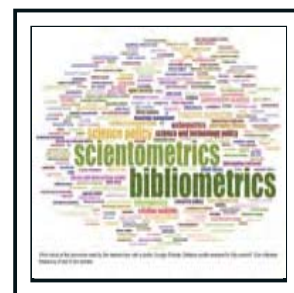
COURSE PLAN

Week 1: Introduction to Scientometrics

Week 2: Classical Laws of Bibliometrics

Week 3: Use Studies

Week 4: Obsolescence of Literature

Week 5: Growth of Literature

Week 6: Scientometric Indicators

Week 7: Citation Analysis and Collaboration in Science

Week 8: National Mapping and Role of Scientometrics in Science Policy

Week 9: Research Methodology

Week 10: Testing of Hypotheses

ABOUT INSTRUCTOR

After completing BSc. in Mathematics and Statistics from the Mahatma Gandhi Memorial College, Udupi in 1968, Prof. Rao obtained his Master's degree in Statistics (M.Stat) and Diploma in Computer Science from Indian Statistical Institute, Kolkata in 1970. He also completed the Associateship in Documentation (1975) course from DRTC of the Indian Statistical Institute. He received his Ph.D. degree from the University of Western Ontario, Canada, in 1981. He joined Documentation Research and Training Centre (DRTC) of the Indian Statistical Institute (ISI) in Oct. 1970. Since June 1987, he was working as Professor at DRTC.   Prof. Rao is also the Chief Editor and the Editor of the COLLNET Journal of Scientometrics and Information Management and SRELS Journal of Information Management respectively.   He is a Fellow of the Society for Information Science, New Delhi.

DR. DHANESWAR HARICHANDAN
**Professor cum Director Incharge, University of Mumbai,
Institute of Distance and Open Learning.**

TYPE OF COURSE : PG Certificate	**COURSE DURATION** : 15 weeks (1st Aug to 10th Nov,2018)
INTENDED AUDIENCE : UG/PG	**EXAM DATE** : 10th November 2018
	NO OF CREDITS : 4

PRE-REQUISITES : Graduates/Post Graduates in any discipline especially students and teachers of B.Ed./ D.El.Ed./M.Ed./M.A. Education.

OBJECTIVE OF COURSE

The broad objective of this Massive Open Online Course is to acquaint the learners with the idea of online learning at anytime, anywhere and any place. The learners will be exposed to the various facets of communication technologies used in education and elsewhere.

LEARNING OUTCOME

- After going through this course learners will be able to understand the Concept, Processes, Models and Media of Communication.
- Learners will also know about the Concept of Technology e-learning Legal concept of technology and ICT in Education
- The learners will be exposed to contemporary technologies such as Spoken Tutorials, OER, MOOCs etc.
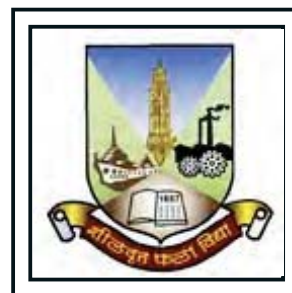
COURSE PLAN

Week 1: Basics of Communication

Week 2: Process of communication

Week 3: Communication Skill

Week 4: Concept of Technology of Education

Week 5: Trends and Methods in Communication

Week 6: Technical Aspects of Networking

Week 7: Role & Legal Aspects of Technology

Week 8: ICT in Education

Week 9: Technology for Development

Week 10: E-Learning

Week 11: Learning Management Systems

Week 12: Contemporary Technologies

Week 13: Open Education

Week 14: Use of Tutorials

Week 15: Role of National Bodies

ABOUT INSTRUCTOR

Dhaneswar Harichandan (born on 11th October, 1960) is Professor cum Director Incharge, Institute of Distance and Open Learning, University of Mumbai. He holds a Ph.D. degree in Distance Education from YCMOU, Nashik. He has more than three decades of experience as a teacher educator in face-to-face classroom teaching as well as distance education mode and has guided 7 students at M.Phil. and 6 students at Ph.D. level. He has published 5 books, edited 14 Self Learning Materials, 4 chapters in edited books, 24 articles and research papers in National and International journals and has organised, participated and contributed papers in workshops, seminars & conferences. He is an Ambassador for advocacy of OER by ICDE Norway, Oslo.

DR. JAGDISH ARORA

Director, Information and Library Network Centre, (INFLIBNET)

TYPE OF COURSE	: PG	**COURSE DURATION**	: 15 weeks (13th Aug to 26th Nov, 2018)
INTENDED AUDIENCE	: LIS Students at PG/UG level	**EXAM DATE**	: Date to be announced in December 2018
	Lifelong learning	**NO OF CREDITS**	: 5

PRE-REQUISITES : **The learner should have basic knowledge of computers, acquaintance with traditional libraries using manual processes as well as computerised library operations and services offered by both types of libraries.**

OBJECTIVE OF COURSE

The objective of the course is to impart in-depth knowledge on digital libraries, their characteristics, components, standards and protocols, IPR and legal issues, digital rights and access management, planning and evaluation. The ultimate aim of the course is to instil skills in learners that would enable them to evaluate commercially available digital libraries before subscribing them for their institutions as well as to set-up their own institutional digital library with all intermediate steps involved in it from planning to offering digital library services.

LEARNING OUTCOME

After completing the course, the learner would gain in-depth knowledge about digital libraries, their characteristics and major components. The course elaborates on technology, processes and steps involved in digitization and digital preservation. It enunciates on applications and services offered by digital library and its relationship with semantic web. It delves into the process of planning, implementation, marketing, promotion and evaluation of digital libraries. Learners would have insights into various aspects of digital rights and access management and its applications in digital libraries. The course also elaborates on examples of open access digital libraries and backend technologies used.

COURSE PLAN

Week 1: Digital Library: Overview

Week 2: Major Components of Digital Library - 1

Week 3: Major Components of Digital Library – 2

Week 4: Major Components of Digital Library – 3

Week 5: Digital Libraries: Planning, Implementation, Marketing and Promotion

Week 6: Digital Library: Standards, IPR and Legal Issues

Week 7: Major Projects in Digital Libraries

Week 8: Digital Library Initiatives in India

Week 9: Open Access and Digital Library

Week 10: Digitization

Week 11: Digital Library Services and Semantic Web

Week 12: Digital Rights Management / Access Management

Week 13: Digital Preservation

Week 14: Case Studies in Digital Library

Week 15: Evaluation of Digital Library

ABOUT INSTRUCTOR

Dr. Jagdish Arora, is the Director of Information and Library Network (INFLIBNET) Centre from August, 2007 onwards. Prior to his present assignment, Dr. Arora has worked as the Librarian at the Indian Institute of Technology Delhi from Sept. 2003 to August 2007. Dr. Arora is recipient of Fulbright Professional Fellowship in Library and Information Science (1997- 98), Dr. Arora was presented a Citation and Memento for his Commendable Contribution to Digital Initiatives for Higher Education, by the Honourable Shri Pranab Mukherjee, Govt. of India on 9th July 2017 at Vigyan Bhawan, New Delhi. He was also recipient of Librarian's Choice Award for Life Time Achievement instituted by the Royal Society of Chemistry for the year 2017. He was awarded NDLTD Leadership Award for the year 2017 for Shodhganga Scheme of the INFLIBNET Centre during 20th International Symposium on Electronic Theses and Dissertations held in Washington, D.C., USA from August 7 to 9, 2017. Dr. Arora was the Principal Investigator for several projects sponsored by agencies like AICTE, Deptt. of Biotechnology (DBT), Ministry of Information Technology (MIT), Ministry of Human Resource Development (MHRD), etc. He was a member of the delegation that visited selected libraries and library science schools in Germany in 2002.

PROF. AMARENDRA P.BEHERA
Joint Director, CIET-NCERT, New Delhi

DR. AERUM KHAN
Assistant Professor, CIET-NCERT, New Delhi

PROF. P.K. SAHOO
Professor, University of Allahabad, Allahabad

DR. SURINDAR PAL KAUR DHILLAN
Principal, Khalsa College of Education, Amritsar

TYPE OF COURSE : PG	**COURSE DURATION** : 35 weeks (2 July 2018 – 3 March 2019)
INTENDED AUDIENCE : PG	**EXAM DATE** : After completion of course in March 2019, to be organised Jointly by University of Allahabad and CIET-NCERT
PRE-REQUISITES : Basic understanding of the management process, administration structure, leadership patterns of school education.	**NO OF CREDITS** : 4

OBJECTIVE OF COURSE

After completing this course the learners will be able to:
- Discuss the meaning/concept and common features of Educational Administration, Management and Governance, and leadership.
- Describe the history of educational administration, educational management and leadership.
- Elaborate the functions and approaches of Educational Administration, educational management and leadership.
- Describe the academic support structures like NUEPA, NCERT, SCERT, SIEMAT, DIETs.
- List the role of research and evaluation in Educational Administration Management and Governance.
- Discuss the issues and trends in Educational Administration Management and Governance.
- Enumerate the challenges in Educational Administration Management and Governance.

LEARNING OUTCOME

- This course is intended to apprise the students about
- The meaning/concept and common features of Educational Administration, Management and Governance, and leadership.
- The History of educational administration, educational management and leadership.
- The functions and approaches of Educational Administration, educational management and leadership.
- The institutions related to Educational Administration Management and Governance.
- Academic support structures like NUEPA, NCERT, SCERT, SIEMAT, DIETs.
- Role of research and evaluation in Educational Administration Management and Governance.
- Issues and trends in Educational Administration Management and Governance.
- Challenges in Educational Administration Management and Governance.

COURSE PLAN

Week 1: Concept and approaches to educational administration, management and governance
Week 2: Theories of educational administration
Week 3: Federalism and Decentralization in educational administration and management
Week 4: Multi-level system of educational administration, management and governance
Week 5: Comparative study of multi-level systems of educational administration among some developed and some developing countries
Week 6: Development of educational administration in India in Pre-British era- A historical perspective
Week 7: History and structure of educational administration during British period
Week 8: Assignment 1
Week 9: Landmarks in the development of educational administration in India after independence, Constitutional provisions governing educational administration in India- sharing of powers
Week 10: State acts and rules related to educational administration in India- A critical appraisal
Week 11: Educational administration: structure, function and processes at the central government level
Week 12: Educational administration: structure, function and processes at the state government level
Week 13: Educational administration: structure, function and processes at the district and sub-district levels
Week 14: Administration and management of centrally sponsored programmes and schemes for improvement of school education- A critical analysis
Week 15: Assignment 2
Week 16: Principles and practices of supervision and monitoring of education system in India, School Supervision: Concept and Theories
Week 17: School standards and their evaluation
Week 18: Regulations and accountability mechanisms, regulatory bodies guiding the education system
Week 19: Code of conduct of teachers and professional ethics
Week 20: Academic support structures like NUEPA, NCERT, SCERT, SIEMAT, DIET
Week 21: Resource centres at block and cluster levels- structure and appraisal
Week 22: Programme evalualtion
Week 23: Decentralizattion, local management and governance in education
Week 24: Decentralized and participatory school governance- what and why?
Week 25: Assignment 3
Week 26: Constitutional provisions and policy framework for decentralized educational governance in India, Role of Panchayati Raj institutions in management of education
Week 27: Community based structures for school governance
Week 28: Role of Civil society organizations in governance of education
Week 29: NGO's and community based organizations in school governance
Week 30: Emerging issues and problems of educational administration
Week 31: Human resource management in education, Teacher management and development issues
Week 32: Issues relating to management of continuing professional development of teachers
Week 33: Need and importance of research in Educational Administration
Week 34: Trend of research in Educational Administration: Gaps and priorities, Issues relating to management of public institutions
Week 35: Assignment 4

ABOUT INSTRUCTOR

Prof. A.P. Behera is the Joint Director of CIET-NCERT. A Ph.D. in Education, he is working in NCERT since 1996 on various assignments, like Curriculum Development, ET and ICTs in Education, Development of e-Contents, Training of Teachers and Educators on ICTs in Education. Also involved in various research studies on ICT in Karnataka, Chandigarh, KVS and RCI. He has worked on piloting of UNESCOs General Education Quality Analysis Framework (GEQAF) in India.

Dr. Aerum Khan has been working in CIET-NCERT, New Delhi for more than 5 years. She has Ph.D. degrees in Botany and Education and teaching experience of more than 12 years. Her profile includes development and management of the National Repository of Open Educational Resources, providing training to teachers across the levels for ICT interventions, and academic coordination of ePGPathshala for the subject of 'Education' at CIET-NCERT. She has also developed 2 MOOCs in Chemistry for Sr. Secondary level at CIET-NCERT; these courses are available on SWAYAM.

Prof. P.K. Sahoo is from the Dept. of Education, Allahabad University, Allahabad. He is the Principal Investigator of the ePGPathshala for the subject of 'Education'.

Dr. Surinder Pal Kaur Dhillon is the Principal of Khalsa College of Education, Ranjit Avenue, Amritsar.

DR. JAVAHAR LAL

Associate Professor, Department of Sarva Darshan, Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha, New Delhi

TYPE OF COURSE	: PG/ACHARYA	**COURSE DURATION**	: 15 weeks (01/08/2018 to 31/12/2018)
INTENDED AUDIENCE	: UG/PG/Diploma	**EXAM DATE**	: Jan 2019
		NO OF CREDITS	: 4

PRE-REQUISITES : 1. सस्कृत का सामान्य ज्ञान होना चाहिये। 2. सामान्यरूप से दर्शन शास्त्र का परिचय होना चाहिये। 3. स्नातक उपाधि धारक होना चाहिये

OBJECTIVE OF COURSE

भारतीय दर्शनम्:-एकः परिचयः इति मूल विषय मधिकृत्य पञ्चदशसप्ताहेषु चत्वारिंशत्पाठानाम् अध्ययनव्यवस्थानिर्मिता वर्तते। तत्र दर्शनमिति शब्दः नाम दशिर् प्रेक्षणे इति धातोः भावे ल्युट् प्रत्यये सति निष्पन्नः यस्यार्थः भवति आत्मसाक्षात्कारः । आत्मसाक्षात्कारसाधनप्रतिपादनम् एतेषां दर्शनशास्त्राणां मुख्यमुद्देश्यंभवति।

तच्च दर्शनं भारतीय परम्परायां मुख्यतः वैदिका वैदिक भेदेनद्विविधं भवति।वैदिकदर्शनंतावद्न्याय-वैशेषिक-सांख्य-योग-पूर्वमीमांसा-उत्तरमीमांसाभेदेनषड्विधं भवति। अवैदिकदर्शनञ्च चार्वाक-जैन-बौद्धदर्शनभेदेन त्रिविधं तत्रापि बौद्धानां चत्वारः सम्प्रदायाः सौत्रान्तिक-वैभाषिक-माध्यमिक-योगाचारभेदेन सन्ति । तेनअवैदिकदर्शनमपि षड्विधंभवति। अस्मिन् पाठ्यक्रमे एतेषां द्वादशदर्शनानां विषये भवन्तः पठिष्यन्ति।अस्य दर्शनशास्त्रस्य उद्देश्यं किम् इति विषये अत्र एतदेव वक्तुं शक्यते यत् प्रथमतः दर्शनशास्त्रं लोकशास्त्रं वर्तते । लोके अस्माभिः यदपि आचरते तत् सर्वं दर्शनमेव। अहिंसा-सत्य-अस्तेयादीनामाचरणं तावत् दर्शनमेव। अतः एतेषां दर्शनशास्त्राणां प्रतिपाद्यविषयाणां सम्यक् ज्ञानं सर्वेभ्यः एव भवेत् । एतदर्थम् अयं पाठ्यक्रमः भवतां समक्षं समुपस्थाप्यते।

LEARNING OUTCOME

1. छात्राः दर्शनशास्त्रस्य विविधशाखानां परिचयात्मकं ज्ञानं करिष्यन्ति।

2. तत्तत् दर्शनस्य, आचार्याणां तेषां च दार्शनिकसिद्धान्तानाम् ऐतिहासिकं विवरणं, तत् सम्बद्धानां दार्शनिकपदपदार्थानां च ज्ञानं प्राप्स्यन्ति ।

3. अयं पाठ्यक्रमः नैकेषां प्रतियोगितापरीक्षाणां कृते उपयोगी भविष्यति।

COURSE PLAN

SAN_C3_M1_W1_Vचार्वाकदर्शनस्य परिचयः

SAN_C3_M2_W1_Vचार्वाकदर्शनम्

SAN_C3_M3_W1_Vचार्वाकदर्शनम्

SAN_C3_M4_W2_Vबौद्धदर्शनस्य उद्भवः विकासश्च

SAN_C3_M5_W2_Vबौद्धदर्शनस्य वैशिष्ट्यम्

SAN_C3_M6_W2_Vचार्वाकदर्शने प्रमाणमनुमानस्य खण्डनञ्च

SAN_C3_M7_W3_Vबौद्धजैनदर्शनस्य आचार्याः तत्कृतयश्च

SAN_C3_M8_W3_Vसर्वदर्शनसंग्रहः – चार्वाकमतस्य खण्डनम्, अनुमानस्य प्रामाण्यव्यवस्थापनञ्च

SAN_C3_M9_W3_Vबौद्धतन्त्ववाङ्मयस्येतिहासः

SAN_C3_M10_W4_Vप्रतीत्यसमुत्पादवादः

SAN_C3_M11_W4_Vहीनयानस्य सम्प्रदायः स्थविरवादः– एकः परिचयः

SAN_C3_M12_W4_Vशून्यवादः

SAN_C3_M13_W5_V

SAN_C3_M14_W5_V

SAN_C3_M15_W5_Vक्षणिकत्वपक्षे जैनबौद्धाभिमतविमर्शः

SAN_C3_M16_W6_Vजैनदर्शनस्य उद्भवः विकासश्च

SAN_C3_M17_W6_Vजैनदर्शनस्य सारः

SAN_C3_M18_W6_Vअर्हतः स्वरूपनिर्देशः

SAN_C3_M19_W7_Vरत्नत्रयधर्मः

SAN_C3_M20_W7_Vजीवाजीवतत्त्वद्वयम्

SAN_C3_M21_W7_Vजीवाजीवद्रव्याणि

31/10/2016

SAN_C3_M22_W9_Vसप्ततत्त्वानि

SAN_C3_M23_W9_Vसप्तभङ्गीनयविमर्शः

SAN_C3_M24_W9_Vजिनदत्तसूरिनिर्दिष्टं किञ्चित्

SAN_C3_M25_W10_Vन्यायदर्शनस्य उद्भवः विकासश्च

SAN_C3_M26_W10_Vन्यायदर्शनस्य परिचयः

SAN_C3_M27_W10_Vअक्षपाददर्शनस्य परिचयः

SAN_C3_M28_W11_Vआह्निकानां प्रकरणानाञ्च परिचयः

SAN_C3_M29_W11_Vप्रमाणादिपदार्थनवक निरूपणम्

SAN_C3_M30_W11_Vवादादिपदार्थसप्तकनिरूपणम्

SAN_C3_M31_W12_Vअपवर्गनिरूपणम्।

SAN_C3_M32_W12_Vईश्वरसिद्धिः

SAN_C3_M33_W12_Vवैशेषिकदर्शनस्य उद्भवः विकासश्च

SAN_C3_M34_W12_Vवैशेषिकदर्शनस्य परिचयः

SAN_C3_M35_W13_Vसांख्यदर्शनस्य उद्भवः विकासश्च

SAN_C3_M36_W13_Vयोगदर्शनस्य उद्भवः विकासश्च

SAN_C3_M37_W13_Vसाङ्ख्ययोगदर्शनयोः परिचयो

SAN_C3_M38_W14_Vमीमांसादर्शनस्य उद्भवः विकासश्च

SAN_C3_M39_W14_Vवेदान्तदर्शनस्य उद्भवः विकासश्च

SAN_C3_M40_W14_Vमीमांसावेदान्तदर्शनयोः परिचयं

ABOUT INSTRUCTOR

Dr. Jawahar lal is working as assistant professor in the Department of Sarvadarshan at shri Lal Bahadur Shastri Rastriya Sanskrit Vidyapeeth, Qutub Institutional Area, New Delhi, 110016, since 2004. He has received his Bachelors degree and Post graduate degree from the Banaras Hindu University, Varanasi. He has completed his Ph.D in the subject 'दार्शनिक दृष्टि से सृष्टि एवं प्रलय सिद्धान्त की समीक्षा from the Department of vaidic darshan, faculty of Sanskrit vidya dharma vigyan samkay, Banaras Hindu university, Varanasi. He has published thirty research articles/book chapters and a book.

PROF. DEVIKA P MADALLI
Professor at Indian Statistical Institute Bangalore Centre

TYPE OF COURSE : PG

INTENDED AUDIENCE : LIS Students at PG/UG level
Lifelong learning

PRE-REQUISITES : The learner should have basic knowledge of computers, acquaintance with traditional libraries using manual processes as well as computerized library operations and services offered by both types of libraries.

COURSE DURATION : 11 weeks (13th Aug to 29th Oct, 2018)

EXAM DATE : Date to be announced in December 2018

NO OF CREDITS : 3

OBJECTIVE OF COURSE

The objective of the course is to impart in-depth knowledge on information storage and retrieval, right from foundational definitions, components of multimedia resource retrieval systems, functions and design of ISAR systems, evaluation and advanced topics such as natural language processing and semantic web in information retrieval. Topics of information extraction and statistical methods in IR will be covered. The ultimate aim of the course is to instil skills in learners that make them aware of the importance of information storage and retrieval in the information profession and to learn methods of IR, systems, querying and query processing. Knowledge of ISAR will empower the students to handle and manage ISAR systems efficiently and effectively.

LEARNING OUTCOME

The course is designed for the students of library and information science as well as for professionals working in library and information centres. Other learners interested in digital libraries may also take up the course. The course imparts in-depth knowledge on Information Storage and Retrieval. It provide insights on query formulation and querying of information in the Information Storage and Retrieval.

COURSE PLAN

Week 01: Introduction and Basic Concepts and Components of IR Systems

Week 02: Database Management Systems, the Physical Organization of Data

Week 03: Querying of the Information Retrieval System

Week 04: ISAR Systems: Functions and Design, ISAR Models

Week 05: Evaluation and Measurement of Information Retrieval System

Week 06: Multimedia Information Retrieval

Week 07: Users of Information Retrieval

Week 08: Evolutions in Information Retrieval

Week 09: Advanced Course in ISAR

Week 10: Statistical Methods in IR

Week 11: Information Extraction

ABOUT INSTRUCTOR

Prof. Devika P Madalli is a Professor at the Documentation Research and Training Centre, Indian Statistical Institute, India and Adjunct faculty, DISI, University of Trento, Italy. Her interest is in the area of knowledge organization and application of facetization in information systems, information infrastructures, digital libraries, semantic web technologies, faceted ontologies, content management system, multilingual information services and e-learning. She served as a member of Evaluation Committee of UNFAO statistical database and information services, FAOSTAT. She is a member of the Karnataka Evaluation Authority. She contributed to UNESCO's Global Open Access Portal (GOAP). She is on the Advisory Board of Universal Decimal Classification. She is also a member of the G8+05 Data Infrastructures Working Group. She is co-chair of the Interest Group on Agricultural Data at the Research Data Alliance.

DR USHA MUNSHI
Librarian, Indian Institute of Public
Administration, New Delhi

TYPE OF COURSE : PG
INTENDED AUDIENCE : LIS Students at PG/UG level
Lifelong learning
PRE-REQUISITES : The learner should have basic knowledge of computers and acquaintance information and communication tools and it uses in the automated library environment.

COURSE DURATION : 15 weeks (13th Aug to 26th Nov, 2018)
EXAM DATE : Date to be announced in December 2018
NO OF CREDITS : 5

OBJECTIVE OF COURSE

The objective of the course is to impart in-depth knowledge on use of information and communication technology in libraries and to prepare students either to work in a fully automated library that subscribes to resources in print as well as in electronic format or to set-up a modern library on their own. The aim of this course is to inculcate in-depth knowledge on use of information and communication technologies in libraries.

LEARNING OUTCOME

After completing the course, the learner would gain in-depth knowledge on basic concepts and scope of ICT, its associated technologies and their evolution. It deals with functional units of computers and computer software including operating system, system software and application software including word processing, spreadsheet and database management system. The course also elaborates on various contemporary programming languages and their levels. During the course a learner will gain knowledge about library automation, integrated library management software packages and its functional modules including acquisition, cataloguing, circulation, serials control and OPAC.

COURSE PLAN

Week 1: Basics of ICTs and Functional Units of Computers

Week 2: Computer Software: Operating System, Application Software and Programming Languages

Week 3: Basics of Computer Network: Types, Topologies, Switching Techniques, Media and Devices, Network Protocols

Week 4: Data Network and Network Security

Week 5: Basics of Internet and Search Engines

Week 6: Web 2.0 and Semantic Web

Week 7: Library Automation: Concept, Acquisition, Cataloging, Retro-conversion of Bibliographic Records

Week 8: Library Automation: Circulation, Serial Control, OPAC and Library Security Technology

Week 9: Library Automation: Case Studies using SOUL, Koha and LibSys

Week 10: Open Source Library Software and Library Standards MARC and Dublin Core

Week 11: Library Networks in India: INFLIBNET & DELNET

Week 12: Case Studies: Library Network in UK and USA

Week 13: Academic Library Consortia

Week 14: Library Consortium: UGC-INFONET Digital Library Consortium, INDEST-AICTE Consortium, e-Shodh Sindhu

Week 15: Open Data, Crowd Sourcing, Cloud Computing and Ethics in Cyberspace - Plagiarism

ABOUT INSTRUCTOR

Dr.Usha Mujoo Munshi, a Fulbright scholar, is currently with Indian Institute of Public Administration (IIPA) as head of its library. She has over 155 research publications and a few books to her credit. Recipient of several national and international awards which include Raizada Memorial Award, for Young Information Scientist of the Society of Information Science (SIS); SIS Fellowship; Fulbright Fellowship; ASSIST International Best Paper Award by ASSIST, USA. Recently she has been elected as a member of Data Policy Committee of CODATA, International Council for Science (ICSU).

MRS. RENU ARORA
Former Head, Education and Training, NISCAIR, New Delhi

TYPE OF COURSE	: PG	**COURSE DURATION** :	15 weeks (13th Aug to 26th Nov, 2018)
INTENDED AUDIENCE :	LIS Students at PG/UG level	**EXAM DATE** :	Date to be announced in December 2018
	Lifelong learning	**NO OF CREDITS** :	5

PRE-REQUISITES : **The learner should have basic knowledge of Information, characteristics of information sources, library services, information institutions and role of library and information professionals in dissemination of information.**

OBJECTIVE OF COURSE

Objective of course is to impart in-depth knowledge to the learners on the concept and need for information and to identify information sources best suited for specific information needs; to acquaint the learners with various reference, information and computerised services as these keep the information seekers up-to-date in their field of interest or specialization by providing timely information; and to identify organisations at national and international level and systems including library/information organisations and to explain the programmes and activities being undertaken by such organizations in promotion, coordination and development of library and information activities.

LEARNING OUTCOME

After successful completion of the course, learners will gain in-depth knowledge about 'Information Sources, Systems and Services'. He/she will develop skills to identify sources of information, viz. Documentary, non-documentary or current source of information'; various kinds of information services – anticipatory or responsive; and national and international level organisations and systems including library/information organisations that are engaged in promotion, coordination and development of library and information activities. In addition, learners would have also gained skills to set-up information sources/resources in their own institution by planning information services required by the users of the institution.

COURSE PLAN

Week 1: Information Sources, Systems and Services: Concept and Need for Information

Week 2: Types of Information Sources: Documentary, Non-Documentary and Sources for Current Information

Week 3: Reference Sources: Use and Evaluation Criteria, e-Information Sources

Week 4: Reference Sources: Dictionaries, Encyclopaedias, Handbooks and Yearbooks: Use and Evaluation

Week 5: Reference Sources: Geographical, Biographical, Bibliographical and other sources: Use and Evaluation

Week 6: Indexing & Abstracting Sources: Use and Evaluation

Week 7: Information Products: Types of information Products

Week 8: Information Users and User Studies

Week 9: Reference and Information Services

Week 10: Reference Interview, Literature Search & Search Techniques

Week 11: Role of various professionals in providing information services

Week 12: Information services

Week 13: Organisation of National and International Information Systems and Programmes

Week 14: International Information Systems: Services & Products: INIS, AGRIS and MEDLARS / MEDLINE

Week 15: National Information Systems and Programmes in Social Sciences and Humanities

ABOUT INSTRUCTOR

Mrs. Renu Arora has been working for over 38 years in the field of Library and Information Science. Her last appointment was as Head, Education & Training Division, CSIR-NISCAIR, New Delhi. She was Editor, Annals of Library and Information Studies, a quarterly journal of NISCAIR, and Coordinator, IGNOU Study Centre, NISCAIR, New Delhi. She has over 35 years of teaching experience in Library & Information Science; over 21 years of working experience in the area of technical editing, proof reading and technical communication. She conducted several training programmes in the field of library science.

DR. AJMER SINGH MALIK
Professor, Dept. of Public Administration, Kurukshetra University
Kurukshetra, Haryana

TYPE OF COURSE	: PG	**COURSE DURATION**	: 15 weeks (6th Aug to 18th Nov, 2018)
INTENDED AUDIENCE	: Enrolled in PG Courses/ Civil Service Aspirants/In- Service Officers	**EXAM DATE**	: 18th November, 2018
		NO OF CREDITS	: 4
PRE-REQUISITES	: The learners are expected to have completed Graduation in any discipline.		

OBJECTIVES OF COURSE

This course is prepared to acquaint the learners with the developments in the discipline which will help the learners to know its evolution and current status. After completing the course, the learner will be able to: understand the basic principles of an organization; familiarize with various approaches to the discipline of Public Administration; and also articulates the changes and impact of Globalization, ICT, etc. on the structure and functioning of administrative systems.

LEARNING OUTCOME

This Course will help to develop a basic understanding of the principles and issues of public administration which is essential to understand more complex issues concerning governance and administrative system and public well-being in general.

COURSE PLAN

WEEK-1 :

Public Administration: Meaning, Nature and Scope
Evolution of Public Administration

WEEK-2

New Public Administration
Globalization and Public Administration

WEEK-3

Approaches to Public Administration- Classical, Scientific and Bureaucratic
Human Relations Approach
Behavioural Approach

WEEK-4

Hierarchy
Unity of Command

WEEK-5

Span of Control
Control and Supervision

WEEK-6

Authority, Power and Responsibility
Centralization and Decentralization

WEEK-7

Delegation and Deconcentration
Line, Staff and Auxiliary Agencies

WEEK-8

Coordination
Coordination – A Case Study

WEEK-9

9th WEEK FOR REVISION / PREPARING ASSIGNMENT

WEEK-10

Communication
Decision Making

WEEK-11

Public Interest
Ethics in Administration

WEEK-12

Paradigm Shift from Government to Governance
Public Accountability

WEEK-13

Project Work

WEEK-14

REVISION

WEEK-15

EXAMINATION

ABOUT INSTRUCTOR

Dr A S Malik, Professor at Kurukshetra University Kurukshetra Haryana (India) teaching Public Administration to PG students and guiding research students since 1991. He has been the Chairman, Department of Public Administration and also the Coordinator, Special Assistance Programme (2011-16) sanctioned by University Grant Commission New Delhi. He is editing a bi-annual journal titled Public Affairs & Governance. At present he is also the President of Indian Public Administration Association.
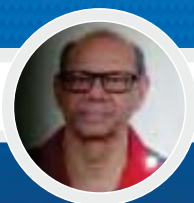
PROF. K. S. RAGHAVAN

Visiting Scientist, Centre for Knowledge Analytics and Ontological
Engineering, PES Institute of Technology, Bangalore

TYPE OF COURSE : PG

INTENDED AUDIENCE : LIS Students at PG/UG level
Lifelong learning

COURSE DURATION : 15 weeks (13th Aug to 26th Nov, 2018)

EXAM DATE : Date to be announced in December 2018

NO OF CREDITS : 3

PRE-REQUISITES : **There are no specific pre-requisites for registering for this course. However, it is expected that the learner has a clear understanding of the functions of libraries and information centres, and of library and information science as a discipline.**

OBJECTIVE OF COURSE

The objective of the course is to provide the students with an understanding of the characteristics of knowledge societies, the major factors affecting transition to a knowledge society and the issues in and implications of knowledge society with focus on libraries and information centres. On completing the course a learner would be in a position to have an idea of the changing dimensions of information disciplines as a consequence of developments in the information / knowledge environment.

LEARNING OUTCOME

On completing the course, students will understand the notion and characteristics of knowledge societies and how they differ from information societies. Students will also have a clear understanding of the various dimensions of knowledge society and their implications for libraries and information centres.

COURSE PLAN

Week 1: Data, Information and Knowledge

Week 2: Communication

Week 3: Knowledge Society

Week 4: Digital Divide

Week 5: Copyright

Week 6: Intellectual Property Rights: Patents

Week 7: Right to Information and Censorship

Week 8: Information Security

Week 9: National Information Infrastructure (India)

Week 10: E-Commerce and E-Governance

Week 11: Social Media and Content Management Systems in Libraries

Week 12: Economics of Information

Week 13: Knowledge Management

Week 14: The Information Disciplines

Week 15: Information Society Vs. Knowledge Society

ABOUT INSTRUCTOR

Prof. Raghavan taught at Madras University from 1977 to 2005 at Dept. of Library & Information Science. He retired as Dean (Academic) of the University and Professor & Head of the Dept. of Library & Information Science. He was Professor at DRTC from 2005 to 2013. He was visiting Scientist, Centre for Knowledge Analytics and Ontological Engineering, a World Bank funded project at PES Institute of Technology, Bangalore, 2013-2016. He was Senior Fulbright Scholar at UCLAin 1987. He also served as Visiting Professor,Federal University of Minas Gerais, Belo Horizonte, Brazil in 2003 and at Nanyang Technological University, Singapore in 2015. He is editor of SRELS Journal of Information Management and on the editorial board of Knowledge Organization.He guided 12 PhD students at Madras University.

PROF. RAGINI ROY
Professor & Head, Dept. of Drawing & Painting, Dayalbagh Educational Institute (Deemed University), Dayalbagh, Agra

TYPE OF COURSE : UG/PG

INTENDED AUDIENCE : It is expected that aspirants, desirous of joining this programme as a whole or selecting some courses as a part of one's PG Programme of Studies in any other institution, should have the minimum knowledge of Visual Arts equivalent to that of graduation degree in any other subject or equivalent qualification from a recognized academic institution.

COURSE DURATION : 15 weeks (2nd July to 13th Oct.'2018)

EXAM DATE : 15th Week of the course i.e.8th to13th Oct 2018

NO OF CREDITS : 4

PRE-REQUISITES : Students are required to go through the weekly planning carefully and, as far as possible, observe the works, as cited under demonstrations. All reading material are enlisted by modules in Quadrant 03. Wherever possible web links are indicated for an easy access of the learners.
The course is ideally meant for PG course in Visual Arts and for those teachers of the subject who may wish to register and audit the course for additional information.
Apart from the above, one who has the adequate proficiency in the field of visual arts, who may neither be a student nor a teacher, are also welcome to register themselves to enhance knowledge.

OBJECTIVE OF COURSE

The objectives are to impart knowledge in the discipline at post-graduation level. Landscape paintings refer to the depiction of natural scenery, such as bodies of water, mountains, forests and valleys. The sky is usually a main element, and weather often plays a key role in the overall total composition. The course manifests all these aspects gradually through its content. The main emphasis is placed on learning through various mediums like Pencil, Charcoal, Dry Pastel, Oil Pastel, Watercolour, Gouache, Oil colour, Acrylic and Mix Media in different techniques. The main emphasis is placed on the enhancement of observation skill of the students. Care has been taken to present the content in a gradual manner to instil confidence in the minds of the students. The course has been designed to have parity with syllabi to be at par with those at national and international levels.

LEARNING OUTCOME

Students having completed the course are not only expected to be skilled in the taught visual art, but should also be able to develop an analytical mind to critically examine works of other artists, which are covered under the syllabus and also be able to understand those, which may have been suggested additionally in the assignment sections

COURSE PLAN

Week 01:- 1. Learning to see, 2. Warm & Cool colours, 3. Angles & Perspectives

Week 02:- 4. Scribbling, 5. Flower, Shrubs and Bushes, 6. Tree

Week 03:- 7. Snow, Water & Mountain, 8. Pencil Live, 9. Pencil Imagination

Week 04:- 10. Charcoal Live, 11. Charcoal Imagination, 12. Dry Pastel Live

Week 05:- 13. Dry Pastel Imagination, 14. Monochrome, 15. Watercolour Live

Week 06:- 16. Watercolor Imagination, 17. Watercolor opaque technique, 18. Wet on Wet

Week 07:- Assignment Week

Week 08:- 19. Gouache imagination, 20. Gouache on tinted paper, 21. Oil Pastel Live

Week 09:- 22. Oil Pastel Imagination, 23. Oil paint Live, 24. Oil paint imagination

Week 10:- 25. Impasto (Acrylic Live), 26. Acrylic Imagination, 27. Mix Media

Week 11:- 28. Stippling, 29. Glazing

Week 12:- 30. Sponge, 31. Moonlight

Week 13:- 32. Night Landscape, 33. Working with Complimentary Color

Week 14:- 34. From Photograph, 35. Final Landscape

Week 15:- Final Exam

ABOUT INSTRUCTOR

Professor Ragini Roy is an artist and senior teaching faculty. Since 1984, she has been affiliated with the Department of Drawing & Painting at the Faculty of Arts, Dayalbagh Educational Institute (Deemed University), Dayalbagh, Agra. Having obtained her Masters in Drawing & Painting and while working on her Ph.D. from Kanpur University in 1981, she taught there for a year.

She is a Professor since 2008, at the Department of Drawing & Painting, DEI. Her major contribution has been in the fields of Painting, Mural and History of Indian Art. She designed all courses for UG, PG and Doctoral Levels at her parent University and the same for many other institutions in the country too.
A recipient of National Kalidas Award for her contribution in the field of Painting, she has remained chairperson of BOS, member of Faculty Board, Academic Council, Primary Body, Governing Body, Committee Social Welfare Scholarships (GN), Life Member of Rock Art Society of India, Life Member of All India Oriental Conference-Pune; All India Women's Conference and lately the Principal Investigator of e-PG Pathshala: Visual Arts and MOOCs.

Prof. Roy has to her credit the organization of a number of national seminars, workshops, group shows, exhibitions and artist camps. She has a good number of quality publications, paintings, murals and books to her credit also.

PROF. DINESH K. GUPTA
Professor, V M Open University, Kota, Rajasthan

TYPE OF COURSE	: PG	**COURSE DURATION** :	15 weeks (13th Aug to 25th Nov, 2018)
INTENDED AUDIENCE :	LIS Students at PG/UG level	**EXAM DATE** :	Date to be announced in December 2018
	Lifelong learning	**NO OF CREDITS** :	5
PRE-REQUISITES :	The learner should have the foundational knowledge or working experience of libraries and information centres.		

OBJECTIVE OF COURSE

- To make learners aware about the concept of management, management theories and application of management in libraries and information centres;
- To familiarize learners with management techniques applied to libraries and information centres and knowledge centres; and
- To acquainted learners with the newer areas and techniques of library and information centres management.

LEARNING OUTCOME

On Successful completion of the course, a learner would be acquainted with Knowledge on following aspects:

- Meaning and scope of management in daily operations of libraries and information centres and also about the long term managerial implications;
- The evolution of management theories and its application to current practice in library and information centres;
- About the strategic planning, problem-solving and decision-making skills as applied to actual library and/or information services management;
- Articulating the mission and other drivers of a library and information centre in relation to the users they served;
- Utilizing appropriate theory and skills to create an environment of excellence within the library and information services; and
- Dealing with aspects of financial planning and management for library and information centres.

COURSE PLAN

Week 1: Concept of Management, Principles and Application in L& Centres, and Management Thoughts

Week 2: Change Management and Strategic Planning

Week 3: Operations Research and Planning

Week 4: Total Quality Management and Marketing

Week 5: Governance, Organizational Structure and Different Sections of a Modern Library

Week 6: House Keeping Operations: Selection, Acquisition and Technical Processing

Week 7: House Keeping Operations: Care, Preservation and digitization

Week 8: Human Resources Planning and Development

Week 9: Managerial Roles and Team Management

Week 10: Performance Analysis and Motivation

Week 11: Self Management and Communication

Week 12: Financial Planning and Management

Week 13: Statistics, Reporting and Management Information Systems

Week 14: Space, Event and Disaster Planning

Week 15: Management of Technologies

ABOUT INSTRUCTOR

Dinesh K. Gupta is Professor of Library & Information Sc. at Vardhaman Mahaveer Open University, Kota. He served as Member of Standing Committee of IFLA Education & Training Section, 2011-2015, IFLA Management and Marketing Section, 2003-2007 and 2007-2011 and also served as the Chair of the Jury of 'IFLA International Marketing Award' in 2009-2013. He served as a Member of the Selection Committee of South Asia LIS Award, 2012-2014. He has published three IFLA books by official publisher K. G. Saur/ De Gruyter Saur (Munich, Germany).

PROF. BAGIRATHI NANDA

Prof. Bhagirathi Nanda, Professor & HOD Department of Sahitya, Shri Lal Bahadur Shastri Rastriya Sanskrit Vidyapeetha, Qutub Institutional Area, New Delhi-16

TYPE OF COURSE : **PG/ACHARYA**
INTENDED AUDIENCE : **PG**

COURSE DURATION : **15 weeks (01/08/2018 to 31/12/2018)**
EXAM DATE : **04/01/2019**
NO OF CREDITS : **6**

PRE-REQUISITES : संस्कृतभाषां पठितुम्, अवगन्तुं, लिखितुं च सामर्थ्यम्

OBJECTIVE OF COURSE

अस्य पाठ्यपत्रस्य नाम "साहित्यशास्त्रं सौन्दर्यशास्त्रञ्च "इति। अत्र चत्वारिंशत् पाठाः सन्ति। अस्मिन् पत्रे नाट्यशास्त्रम्, दशरूपकम्, काव्यालङ्कारः, काव्यालङ्कारसूत्रवृत्तिः, काव्यादर्शः, ध्वन्यालोकः, काव्यप्रकाशः, साहित्यदर्पणम् इति एभ्यः ग्रन्थेभ्यः पाठाः संकलिताः सन्ति। तत्र नाट्यशास्त्रात् प्रथमाध्यायः, दशरूपकस्य प्रथमाध्यायः, काव्यालङ्कारस्य प्रथमपरिच्छेदः, काव्यालङ्कारसूत्रवृत्तेः प्रथमाधिकरणम्, काव्यादर्शस्य प्रथमाध्यायः, ध्वन्यालोकस्य प्रथममाननम्, काव्यप्रकाशस्य प्रथमोल्लासः, साहित्यदर्पणस्य प्रथमः परिच्छेदः च इति पत्रेऽस्मिन् विषयाः संकलिताः सन्ति। तत्रापि नाट्यशास्त्रस्य चत्वारः, दशरूपकस्य चत्वारः, काव्यालङ्कारस्य चत्वारः, काव्यालङ्कारसूत्रवृत्तेः चत्वारः, काव्यादर्शस्य अष्टौ, ध्वन्यालोकस्य अष्टौ, काव्यप्रकाशस्य चत्वारः, साहित्यदर्पणस्य च चत्वारः पाठाः पाठ्यक्रमेऽस्मिन् सन्निहिताः सन्ति। काव्यनाट्ययोः सम्यक् परिचयार्थं पाठोऽयम् उपकल्पितो वर्तते, येन नाट्यशास्त्रकाव्यशास्त्रप्रवेशार्थं

LEARNING OUTCOME

अनेन पाठ्यांशमाध्यमेन :

१.अध्येतारः साहित्यशास्त्रवाङ्मयेन सह परिचिताः भवितुमर्हन्ति।

२.साहित्यशास्त्रे वर्णितानां विविधवैज्ञानिक-कला-सौन्दर्य-पक्षाणाम् अवगाहनञ्च कर्तुं समर्थाः भविष्यन्ति।

3.पाठ्यक्रमोऽयं विविधासु प्रायोगिकपरीक्षासु साफल्यमवाप्तये च उपकारको भविष्यतीति।

COURSE PLAN

Week 01:- नाट्यशास्त्रम् (परिचयः)
Week 02:- नाट्यशास्त्रम् (प्रथमाध्यायः)
Week 03:- दशरूपकम्
Week 04:- काव्यालङ्कारः
Week 05:- काव्यालङ्कारसूत्रवृत्तिः
Week 06:- काव्यादर्शः (काव्यादर्शप्रस्तावना)
Week 07:- काव्यादर्शः (काव्यमार्गः)
Week 08:- Assignment-I
Week 09:- काव्यादर्शः (काव्यगुणाः)
Week 10:- ध्वन्यालोकः (ध्वन्यालोकस्य परिचयः)
Week 11:- ध्वन्यालोकः (काव्यात्मनोःध्वनितत्त्वस्य पारम्पर्यम्)
Week 12:- ध्वन्यालोकः (अर्थानन्त्यं संवादश्च)
Week 13:- काव्यप्रकाशः
Week 14:- साहित्यदर्पणम्
Week 15 :- Assignment-II

ABOUT INSTRUCTOR

Prof. Bhagirathi Nanda, HOD Department of Sahitya, Shri Lal Bahadur Shastri Rastriya Sanskrit Vidyapeetha, Qutub Institutional Area, New Delhi-16
Teaching Experience- 24 Years (UG & PG Level)
Email: ibnanda2@gmail.com
Mob- 9911333950, Off. 011-46060624

PROF. ZAHOOR AHMAD ZARGAR
Ex-Dean, Faculty of Fine Arts, Jamia Millia Islamia, New Delhi

TYPE OF COURSE : UG/PG

INTENDED AUDIENCE : UG/PG

COURSE DURATION : 15 weeks (02/07/2018 to 13/10/2018)

EXAM DATE : November/December, 2018

NO OF CREDITS : 4

PRE-REQUISITES : Students are required to go through the weekly planning carefully and, as far as possible, observe the works, as cited under demonstrations. All reading material are enlisted by modules in Quadrant 03. Wherever possible web links are indicated for an easy access of the learners. The course is ideally meant for PG Course in Visual Arts and for those teachers of the subject who may wish to register and audit the course for additional information.

Apart from the above, one who has the adequate proficiency in the field of visual arts, who may neither be a student nor a teacher, are also welcome to register themselves to enhance knowledge.

OBJECTIVE OF COURSE

The objectives are to impart knowledge in the discipline at post-graduation level. Portrait painting has been one of the important aspects of painting throughout the history of art in the world. Human portrait reflects the temporary feeling which roughly demonstrates one's individual personality and manners, besides the beautiful coordination of forms, colours and variety of moods. The course manifests all these aspects gradually through its content. The main emphasis is placed on the enhancement of observation skill of the students. Care has been taken to present the content in a gradual manner to instil confidence in the minds of the students. The course has been designed to have parity with syllabi to be at par with those at national and international levels.

LEARNING OUTCOME

Students having completed the course are not only expected to be skilled in the taught visual art, but should also be able to develop an analytical mind to critically examine works of other artists, which are covered under the syllabus and also be able to understand those, which may have been suggested additionally in the assignment sections.

COURSE PLAN

Week 01:- M1. The Head Learning to See, M2.Seeing and Interpreting Shapes, M3.Scribbling

Week 02:- M4.Sketching, M5.Structure of the Skull Drawing the Basic Shapes of the Head, M6.Positioning the Facial Features & Line of Expression

Week 03:- M7.The Head from Different Viewpoint and Major Planes of the Head, M8.Making the Head Look Three Dimensional and Features in an Inverted Triangle, M9.Using Tone to Create Three Dimension

Week 04:- M10.Measurement and Proportion, M11.The Facial Features-Eyes, M12.Nose and Ears

Week 05:- M13.Mouth and Chin, M14.Hair, M15.Method and Material

Week 06:- M16.Working with Complementary Color, M17.Warm & Cool Colors, M18.Light and Dark Colors

Week 07:- Assignment Week

Week 08:- M19.Quick Portrait Sketches in Pencil, M20.Portrait in Charcoal (Imagination), M21.Portrait in Charcoal (Live)

Week 09:- M22.Wet on Wet, M23.Allaprima, M24.Portrait in Dry Pastel (Imagination)

Week 10:- M25.Portrait in Dry Pastel (Live Model), M26.Portrait in Oil Pastel, M27.Portrait in Oil Paint (Realistic Portrait L)

Week 11:- M28.Portrait in Oil Paint (Impressionist Portrait L), M29.Portrait in Gouache

Week 12:- M30.Portrait in Acrylic, M31.Portrait in Mixed Media

Week 13:- M32.Glazing, M33.Final Touching

Week 14:- M34.Final Portrait (Part_1), M35.Final Portrait (Part_2)

Week 15:- Final Exam

ABOUT INSTRUCTOR

Prof. Zargar Zahoor was born in the blessed vale of Kashmir. Zahoor's talent manifested itself when he was still a boy, and by 1971 he decided to be an artist. In that year he was admitted to the prestigious M.S. University of Baroda. Prodigiously gifted as indeed he was, Zahoor had the fortune to work under the stalwarts of Indian art in Baroda including Ghulam Mohammad Sheikh, Jeram Patel, K.G. Subramanyam and others.

He is recipient of innumerable national and international awards and honours, Prof. Zahoor joined Jamia Millia Islamia, New Delhi in 1985 and rendered his services with full devotion till his retirement as Professor and Head of the Department of Applied Art in the year 2015. In the enormous range of his work and in its intrinsic qualities, Prof. Zargar Zahoor has, beyond doubt, achieved mastery in Landscape Painting and Portrait Painting as well as in Applied Art.

He has designed many books and given various special lectures at many places in India and abroad. Prof. Zahoor has to his credit many solo exhibitions and group shows. He was invited to many workshops as expert for awards and scholarships. His collection of paintings is spread all around the world.

In fact there is a strong consistency about the evolution of his work throughout his unremitting painting life. As a painter he is happy with the fleeting aspect of weather, avalanches and deluges. Of course they are not the only aspects of nature with which he is happy, nor is he obsessed with them. In fact, his refined brushstrokes can magically convey in paint a sense of enchanted serenity and tranquility at large. His scrutiny of nature composes a picture almost from the start but he could grow trees and rocks within. His innovation in technique enables him to create brilliant light by a harmony of light tones instead of by a contrast of light with dark tones. It is a simple impressionistic innovation but a revolutionary one.

VEDIC LANGUAGE AND LITERATURE

DR. SUNDAR NARAYAN JHA
Assistant Professor, Department of Veda, Shri Lal Bahadur Shastri Rastriya Sanskrit Vidyapeetha, Qutub Institutional Area, New Delhi-16

TYPE OF COURSE : PG/ACHARYA
INTENDED AUDIENCE : UG/PG/Diploma

COURSE DURATION : 15 weeks (01/08/2018 to 13/10/2018)
EXAM DATE : 10/12/2018
NO OF CREDITS : 6

PRE-REQUISITES : अत्र पाठ्यक्रमे सर्वेषामपि अवकाशोऽस्ति । वैदिकसाहित्यानामवगाहनाय ये प्रयत्नशीलाः सन्ति, ये च वेदज्ञानपिपासवः, संस्कृतानुरागिणः, एम् ए विकल्पाधारित क्रेडिट् प्रणाल्यां क्रेडिट् प्राप्तुमिच्छुकाश्च सन्ति ते सर्वे अत्र प्रवेष्टुमर्हाः । अन्ये ये खलु सेवानिवृत्ताः तेप्यत्र प्रवेशं लब्धुमर्हन्ति । अस्मिन् पाठ्यक्रमे सर्वेऽपि पाठाः संस्कृतभाषामाध्यमेनैव पाठयिष्यन्ते। तस्मात् कारणात् संस्कृतं ये अवगच्छन्ति त एवात्र प्रवेशं स्वीकुर्वन्तु । अत्र सरलया संस्कृतगिरा एव पाठयितुं विद्वद्भिः प्रयासः कृतोऽस्ति इति तु महान् सन्तोषस्य विषयः ।

OBJECTIVE OF COURSE

वैदिकभाषा-वाङ्मयञ्च इति शीर्षकान्विते पाठ्यक्रमेऽस्मिन् भवन्तः ऋग्वेद-यजुर्वेद-सामवेद-अथर्ववेद-ब्राह्मण-उपनिषद्-निरुक्त-प्रातिशाख्यादीन् विषयान् पठिष्यन्ति। विदन्त्येव भवन्तो यत् विश्वस्य समस्तेष्वपि वाङ्मयेषु वैदिकवाङ्मयं समुद्रवदगाधम् अपारं गम्भीरञ्चास्ति । अत्र समस्तमपि ज्ञानविज्ञानात्मकं सूत्रं क्वचित् सूक्ष्मेन क्वचिच्च स्थूलरूपेण वर्णितमस्ति, अत एवोक्तं भगवता मनुना "सर्वज्ञानमयो हि सः" इति । अत्र श्रेयःशास्त्रं प्रेयःशास्त्रञ्चोभयं सममावेन समेधितमस्ति अतो वेदानामध्ययनेन ऐहिकानां पारलौकिकानाञ्च विषयाणां सम्यगवबोधो जायते ।"यत्र विश्वं भवत्येकनीडम्" इत्युद्घोषो वर्तते वेदस्य तस्मात् समस्तमपि विश्वमेकीकर्तुं वेदानामध्ययनमनिवार्यमस्ति। अत्र वैयक्तिक-पारिवारिक-सामाजिक-नैतिक-चारित्रिक-आर्थिक-वैज्ञानिक-भौतिक-दैविक-आध्यात्मिकोन्नतेश्च सर्वाण्यपि आवश्यकानि सूत्राणि, विविधानि च साधनानि सुवर्णितानि सन्ति। विश्वबन्धुत्वस्य भावना यथाऽत्र वर्णिता न तथाऽन्यत्र क्वापि लभ्यते।

अतः स्पष्टमेवास्ति यद्वेदानामध्ययनेन सर्वविधं कल्याणं सर्वविधञ्च ज्ञानं प्राप्तं भवति । यो वेदं जानाति स एव सम्यक्तया राजकार्यादिकमपि सञ्चालयितुं समर्थो भवति। तदुक्तं मनुना- सेनापत्यञ्च राज्यञ्च दण्डनेतृत्वमेव च।सर्वलोकाधिपत्यञ्च सर्वं वेदविदर्हति॥

LEARNING OUTCOME

अनेन पाठ्यांशमाध्यमेन :
1. अध्येतारः वैदिकवाङ्मयेन सह परिचिताः भवितुमर्हन्ति ।
2. वेदेषु वर्णितानां विविधवैज्ञानिकपक्षाणाम् अवगाहनञ्च कर्तुं समर्थाः भविष्यन्ति ।
3. पाठ्यक्रमोऽयं विविधासु प्रायोगिकपरीक्षासु साफल्यमवाप्तये च उपकारको भविष्यतीति ।

COURSE PLAN

SAN_C1_M1_W1_Vऋग्वेदस्य परिचयः अश्विनोः सूक्तस्य आदितः षण्मन्त्रं यावत्
SAN_C1_M2_W1_Vअश्विनोः सूक्तस्य सप्तममन्त्रतः पञ्चविंशतितममन्त्रं यावत्
SAN_C1_M3_W1_Vइन्द्रसूक्तम्
SAN_C1_M4_W2_Vविश्वामित्रनदीसंवादसूक्तम्
SAN_C1_M5_W2_Vबृहस्पतिसूक्तम्, उषःसूक्तञ्च
SAN_C1_M6_W2_Vपूष्णः सूक्तम्, वरुणसूक्तञ्च
SAN_C1_M7_W3_Vविश्वेषां देवानां सूक्तम्
SAN_C1_M8_W3_Vकितवसूक्तम्
SAN_C1_M9_W3_Vपर्जन्यसूक्तम्
SAN_C1_M10_W4_Vवास्तोष्पतिसूक्तम्
SAN_C1_M11_W4_Vसरस्वतीसूक्तम्
SAN_C1_M12_W4_Vमित्रावरुणसूक्तम्
SAN_C1_M13_W5_Vमण्डूकसूक्तम्
SAN_C1_M14_W5_Vयमसूक्तम्
SAN_C1_M15_W5_Vयजुर्वेदस्य परिचयः
SAN_C1_M16_W6_Vशिवसंकल्पसूक्तोक्तमन्त्राणां पाठः
SAN_C1_M17_W6_Vरूद्रसूक्तोक्तमन्त्राणां पाठः
SAN_C1_M18_W6_Vउपनिषदां परिचयः
SAN_C1_M19_W7_Vयजुर्वेदीयब्राह्मण-ग्रन्थानां परिचयः
SAN_C1_M20_W7_Vविश्वरूपपदाख्यायिका
SAN_C1_M21_W7_Vईशावास्योपनिषद्

SAN_C1_M22_W9_Vतैत्तिरीयोपनिषद्
SAN_C1_M23_W9_Vभार्गवीवारुणीविद्या
SAN_C1_M24_W9_Vनिरुक्तशास्त्रस्य सामान्यपरिचयः
SAN_C1_M25_W10_Vनिरुक्तस्य प्रथमोऽध्यायः
SAN_C1_M26_W10_Vनिरुक्तस्य द्वितीयोऽध्यायः
SAN_C1_M27_W10_Vनिरुक्तस्य सप्तमोऽध्यायः
SAN_C1_M28_W11_Vसामवेदस्य परिचयः
SAN_C1_M29_W11_Vसामवेदस्य पवमानकाण्डस्य प्रथमा दशती
SAN_C1_M30_W11_Vसामवेदस्य पवमानकाण्डस्य द्वितीया दशती
SAN_C1_M31_W12_Vअथर्ववेदस्य परिचयः
SAN_C1_M32_W12_Vअथर्ववेदीया छन्दोयोजना
SAN_C1_M33_W12_Vअथर्ववेदे अलङ्काराः
SAN_C1_M34_W12_Vअथर्ववेदीयकल्पसूत्राणि
SAN_C1_M35_W13_Vअथर्ववेदे चिकित्सा
SAN_C1_M36_W13_Vअथर्ववेदीयोपनिषदः
SAN_C1_M37_W13_Vअथर्ववेदस्य ब्राह्मणग्रन्थः
SAN_C1_M38_W13_Vअथर्ववेद भाष्यम्
SAN_C1_M39_W14_Vतैत्तिरीयप्रातिशाख्ये सामान्यवर्णव्यवस्था
SAN_C1_M40_W14_Vतैत्तिरीयप्रातिशाख्ये विशेषवर्णव्यवस्था
W15Assignment

ABOUT INSTRUCTOR

Dr.Sundar Narayan Jha, is working as Assistant Professor, Department of Veda, Shri Lal Bahadur Shastri Rastriya Sanskrit Vidyapeetha, Qutub Institutional Area, New Delhi-16 science 2007. He has received his Bachelors and post graduate degree from the kameshwar Singh Darbhanga Sanskrit University, Darbhanga, Bihar in Shukla Yajurveda. He received Ph.D. degree with the title पुरुषमेधयज्ञस्य समीक्षात्मकमध्ययनम् from the Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeerha, New Delhi. He is also a D.Litt. from kameshwar Singh Darbhanga Sanskrit University, Darbhanga, Bihar. His research interests are in the area of Vedic studies. He has published 90 research articles and 07 books in the field of Vedic studies and Sanskrit.

DR BHARTI YADAV
Assistant Professor , National Law University Delhi

TYPE OF COURSE	: PG/Certificate	**COURSE DURATION** :	15 weeks (1st Aug to 31st Dec, 2018)
INTENDED AUDIENCE :	PG/Certificate	**EXAM DATE** :	31 December, 2018
		NO OF CREDITS :	4

PRE-REQUISITES : Preliminary knowledge about Human Rights
Preliminary knowledge about Fundamental Rights
Preliminary knowledge about role of equal access to justice in growth and development of a country and its people.

OBJECTIVE OF COURSE

- Comprehend the historical background of access to justice developments
- Understand different forums of justice administration system in India
- Learn general laws ensuring equal access to justice
- Understand special laws ensuring equal access to justice
- Know equal access to justice provisions for vulnerable group
- Explore role of community participation in promoting equal access to justice
- Know scope of law school involvement in strengthening equal access to justice

LEARNING OUTCOME

- Comprehend the concept and historical background of access to justice
- Understand different forums of justice administration system in India
- Learn general & special laws ensuring equal access to justice
- Know equal access to justice provisions for vulnerable group
- Explore role of community participation and law schools in promoting equal access to justice

COURSE PLAN

Week-1: Concept & Historical Background of Access to Justice

Week-2: Formal Access to Justice And Impediments to Access to Justice

Week-3: Access to Justice and Alternate Dispute Resolution

Week- 4: General Law for Access to Justice

Week-5: Special Law for Access to Justice

Week-6: Access to Speedy and Amicable Justice

Week-7: Access to Justice and Administrative Adjudication

Week-8: REVISION AND ASSIGNMENT WEEK

Week-9: Access to Justice for Women

Week-10: Access to Justice for Children

Week-11: Access to Justice for Senior Citizens, BC,SC/ST and Disables

Week-12: Access to Justice for Stakeholders of Justice Administration System

Week-13: Access to Justice in commercial Transactions

Week-14: Civil Society role in Promoting Access to Justice

Week-15: REVISION, ASSESSMENT and Evaluation

ABOUT INSTRUCTOR

Dr Bharti Yadav(B.A., LL.B., LLM., Ph.D., NET) has been a faculty at National Law University Delhi since 2012. Her areas of specialisation are Criminal Law, Research Methodology, Legal Aid and Clinical Legal Education. She has been a resource person at Haryana Institute of Public Administration and Gyan Darshan TV channel. She has twice offered seminar courses on criminal law at University of Wurzburg, Germany. She was invited by Justice Academy, Ankara, Turkey for addressing Judges and advocates on art of cross examination. She presided sessions on promoting justice education in 8th and 9th Global Alliance of Justice Education conference.

PROF. (DR.) ANUPAMA GOEL
Professor of Law, National Law University, Delhi

TYPE OF COURSE : PG
INTENDED AUDIENCE : UG/PG/Diploma/Certificate/School

COURSE DURATION : 15 weeks (1/8/2018 to 31/12/2018)
EXAM DATE : 10/12/2018
NO OF CREDITS : 4

PRE-REQUISITES : For pursuing this course, students are required to be familiar with the following concepts:
Preliminary knowledge and interest about law
Preliminary knowledge about constitution and its significance
Preliminary knowledge about working of the government, political scenario
Keenness to know regarding the relationship of the democratically elected government and the written constitution

OBJECTIVE OF COURSE

This Course deals with Fundamentals and Structures of Indian Government; it is specifically designed to give a complete overview and in-depth knowledge regarding the concerns and challenges faced by the modern constitutional governments and elaborately discusses the structure, procedures, powers and duties of governmental institutions. The Course analyses in detail the basic functions of a written constitution. Also, the theories and concepts relating to constitutionalism, federalism, judicial review, constitutional interpretation, etc. are reviewed. All the discussions in the Course are updated according to the latest position and the modifications made by judicial intervention

LEARNING OUTCOME

After completing the MOOC course , you shall be able to
- To understand the basic concepts of democracy, republicanism, constitutionalism and to know about the constitutional theories, virtues and constitutional interpretation
- To study and analyse the quasi-federal nature of Indian Constitution and the basic function of a written constitution regarding the allocation of State power, the functions, powers and limits of the organs of state
- To analyse elaborately regarding the emergency and amendment procedures; the need for granting of special status or special provisions to some states
- To know about Panchayats, Municipalities, Scheduled and Tribal areas

COURSE PLAN

FUNDAMENTALS & STRUCTURES OF INDIAN GOVERNMENT

WEEK-01 : Constitutional History- Making of Indian Constitution, Democratic and Republican nature of Government

WEEK-02 : Preamble, Constitutional Interpretation and Constitutionalism, Separation of Powers, Judicial Review

WEEK-03 : Union and its Territorym, Citizenship, Meaning and Concept of 'State'

WEEK-04 : Parliament and State Legislatures, Parliamentary Practices and Procedures, Anti Defection Law and Schedule X, Parliamentary Privileges

WEEK-05 : Legislative Relations between Union and States, Administrative and Financial Relations between Union and States

WEEK-06 : Executive' and Protection to Civil Servants, Public Service Commissions and Tribunals

WEEK-07 : 'Judiciary' under the Indian Constitution(Powers, Jurisdiction and Procedure), Judicial Independence

WEEK-08 : Revision and Assessment

WEEK-09 : Judicial Appointments and Accountability-I, Judicial Appointments and Accountability-II- NJAC Judgment and Way Forward

WEEK-10 : Panchayats, Municipalities and Co-Operative Societies, Elections in India

WEEK-11 : Emergency Provisions, Amendment of the Constitution and Doctrine of Basic Structure

WEEK-12 : Scheduled and Tribal Areas, Granting Special Status (J & K) and Special Provisions to States

WEEK-13 : Official Language, Inter-State Trade and Commerce

WEEK-14 : Special Provisions relating to Union Territories National Capital Territory of Delhi

WEEK-15 : Revision, Assessment and Evaluation

ABOUT INSTRUCTOR

Dr. Anupama Goel, Professor of law in National Law University, Delhi has been teaching law since 1996. She specializes in Constitutional Law, International Law, Human Rights, Tort Law and Consumer Law and has taught various subjects to undergraduate as well as post graduate students including Ph.D. students. Her doctoral thesis was titled "Social Justice and its Implementation with Special Reference to the State of Punjab," an elaborate theoretical as well as empirical study, was hugely acclaimed by ICCSR. She has published various papers on different areas of law in prestigious law journals.

PROF. DEO SHANKAR NAVIN
Professor, Centre of Indian Languages, JNU,
New Delhi

TYPE OF COURSE	: PG	**COURSE DURATION**	: 15 weeks (21st Aug to 04th Dec, 2018)
INTENDED AUDIENCE	: UG/PG	**EXAM DATE**	: As per UGC decision
		NO OF CREDITS	: 4

PRE-REQUISITES : Graduate

OBJECTIVE OF COURSE

हिन्दी के प्रमुख प्रश्नपत्र आधुनिक कविता खण्ड 2 में कोशिश रहेगी कि आधुनिक कविता की प्रवृत्तिगत विशेषताओं को रेखांकित कर शिक्षार्थियों को उस दिशा में विशेष अध्ययन के लिए उन्मुख कर दिया जाए।

LEARNING OUTCOME

- आधुनिक कविता के प्रमुख कवियों के काव्य-कौशल का साक्षात्कार करेंगे।
- युगीन परिस्थितियों में छायावादोत्तर कवि के स्वर के स्वरूप को समझेंगे।
- छायावादोत्तर राष्ट्रीय काव्यधारा के प्रमुख कवियों के काव्य लेखन से परिचित होंगे।
- समकालीन समय के प्रमुख कवियों तथा उनकी रचनाओं का आप साक्षात्कार करेंगे।

COURSE PLAN

Week 1:

Janshangharsh Aur Kavita, Nagarjun Ka Kavya-Kathay, Nagarjun Ki Kavya-Bhasha

Week 2:

Nagarjun Ki Kavitaon Ka Paath Vishleshan, Hindi Alochana Main Nagarjun Ka Mulyankan, Nagarjun Aur Shamsher

Week 3:

Kaviyon Ke Kavi Shamsher, Shamsher Ki Kavitaon Main Prem Aur Saundarya

Week 4:

Shamsher Ki Kavitaon Ka Paath Vishleshan-Bail,· Shamsher Ki Kavitaon Ka Paath Vishleshan-Tuti Huyee Bikhri Huyee, Hindi Alochna Main Shamsher Ka Mulyankan

Week 5

Trilochan Shastri Ki Kavita Ka Vaishishtya, Kedarnath Agrawal Ki Kavita, Rashtriya Kavyadhara Ke Pramukh Kavi

Week 6

Khabar Aur Kavita : Raguveer Sahay, Raguveer Sahay Ka Kavya-Kathay

Week 7:

Raguveer Sahay Ki Kavya Bhasha, Raguveer Sahay Ki Kavitaon Ka Paath Vishleshan,Hindi Alochna Main Raghuveer Sahay Ka Mulyankan

Week 8

Nayi Kavita Aur Shreekant Verma, Magadh Mithak Aur Yatharth, Magadh Main Rajneetik Chetna

Week 9

Magadh Ki Kavya Bhasha, Rajkamal Chaudhary Ki Kavitaon Ka Vaishishathay, Sathottari Hindi Kavita Aur Dhumil

Week 10

Dhumil Ki Kavitaon Main Vidroh, Dhumil Ki Kavitaon Ka Paath Vishleshan, Hindi Alochna Main Dhumil Ka Mulyankan

Week 11

Samkaleen Kavita Aur Kuwar Narayan, Kuwar Narayan Ka Kavya Kathay, Kuwar Narayan Ki Kavya Bhasha

Week 12

Kuwar Narayan Ki Kavitaon Ka Paath Vishleshan, Hindi Alochna Main Kuwar Narayan Ka Mulyankan

Week 13

Samkaleen Kavita Par Dhumil Ka Prabhav, Nayi Kavita Aur Kedarnath Singh

Week 14

Samkaleen Kavita Aur Jantantr, Samkaleen Kavita Ke Mulyankan Ki Samasyayen, Vyavshtha Se Vidroh Aur Aaj Ki Kavita

Week 15

Samkalin Samay Ke Vishishtha Kavi-1, Samkalin Samay Ke Vishishtha Kavi-2

ABOUT INSTRUCTOR

Deo shankar Navin, <https://deoshankarn.wixsite.com/deoshankar> working as Professor with Center of Indian Languages, JNU New Delhi, with more than 14 Years academic Experiences. Recipient of many awards -- Best Young Poet award by Hindi Akademi, Delhi in 1991, Uttar Pradesh Hindi Sansthan Sauhard Samman, 2013, DBD Koshi Samman-2015, Vidyapati Samman-2017, Bihar Govtt. In his credit, 46 authored, Compiled, and translated Books, more than thirty chapter writings, around 300 Articles are published in both the languages--Hindi and Maithili in distinguished Books and Journals; while dozens of pieces are translated and published in many Indian and foreign Languages.

BHASWATI GANGULI
Professor, Department of Statistics, University of Calcutta

TYPE OF COURSE	:	PG		
INTENDED AUDIENCE	:	PG		

**COURSE DURATION** : 14 weeks (13/8/2018 - 16/11/2018)
EXAM DATE : 20/11/2018
NO OF CREDITS : 4

PRE-REQUISITES : Basic knowledge of statistical inference

OBJECTIVE OF COURSE

The purpose of the course is to familiarise students with the tools and methods required for a biostatistician. The course focuses on three areas viz. survival analysis, clinical trials and epidemiology. Basic concepts os survival analysis are defined and an introduction to parametric and Kaplan Meier estimation of the survival function provided . The Cox proportional hazards model, AFT models, frailty and competing risks are also discussed. Basic clinical trial design and variants such as the group sequential schemes are discussed. An introduction to alternative means for design and analysis of epidemiologic studies is provided. The course is supplemented by examples using R.
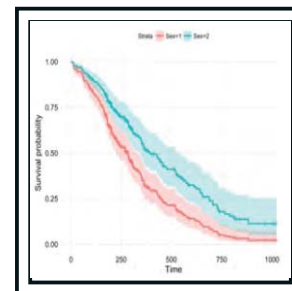
LEARNING OUTCOME

Tools and methods for survival analysis, clinical trials and epidemiology with implementation in R.

COURSE PLAN

Basic concepts of survival analysis	MIDTERM EXAM
Parametric survival models	Play the Winner rule
Actuarial estimation	Randomised Play the Winner rule
Kaplan-Meier estimators I	Crossover design
Kaplan Meier estimators II	Introduction to epidemiology
Nelson Aalen estimators	Disease Frequency and Association I
Equality of survival functions	Disease Frequency and Association II
Mantel-Haenszl estimators	Disease Frequency and Association III
Cox's proportional hazards model	Observational studies
Estimation and inference for Cox's PH model	Analytical studies
Partial Likelihood & Cox Proportional Hazard Model	Confounding
Diagnostics for Cox's PH model	Odds Ratio
The Accelerated Failure Time model	Cohort Studies I
Competing Risks model	Cohort Studies II
Introduction to Clinical Trials	Case Control Studies I
Sample size determination for clinical trials	Case Control Studies II
Randomization	Stratified Analysis
Group sequential design I	Matched Analysis I
Group sequential design II	Matched Analysis II
Group sequential design III	

ABOUT INSTRUCTOR

Prof. Bhaswati Ganguli is a faculty member of the Department of Statistics at Calcutta University.
Prof Ganguli received her Ph.D. in Biostatistics from Harvard University and her research interests include smoothing, mixed models and spatial data analysis. She is an author of the R package Semi Par and was the Principal Investigator for the e PG Pathshala project in Statistics of the MHRD.

DR. MOGANTY R RAJESWARI

Professor, Dept. Of Biochemistry, All India Institute Of Medical Sciences, New Delhi

TYPE OF COURSE : PG

INTENDED AUDIENCE : M.Sc. in any of these subjects Biochemistry/Biotechnology/Life Sciences/Environmental Sciences / Med. Biochemistry/ Microbiology/B.Sc /Biophysics/Zoology/Bioinformatics etc.

COURSE DURATION : 15 weeks (14th Aug, 2018 to 12th Dec, 2018)

EXAM DATE : 3rd January,2019

NO OF CREDITS : 4

PRE-REQUISITES : Student eligibility- Interactions, working on assignments and basic educational qualification or prior knowledge required for doing the course- M.Sc. in any of these subjects Biochemistry/Biotechnology/Life Sciences/Environmental Sciences / Med. Biochemistry/ Microbiology/B.Sc /Biophysics/Zoology/Bioinformatics etc.

OBJECTIVE OF COURSE

• This course On Biomolecules is one of the basic course for all PG students of Biological sciences.
• All PG 1st Year students or in their 1st semester need to do this course
• This course is designed in view of all PG Degree students of any Indian University.
• This will help in understanding of other courses (papers) that they will do in the subsequent semesters.

LEARNING OUTCOME

This course is essential and will help in understanding of other courses (papers) that they will do in the subsequent semesters.

COURSE PLAN

Week 1 : Chemical bonds-covalent and non-covalent types of Bonds and Bond energies,Bond Angles etc, Water-The molecule of life, Aqueous Solution,Acids & Bases,Measurements of pH, Henderson Haselbatch equation,Titration Curve & pK values,Buffers

Week 2 : Amino acids, chirality, peptide bond and polypeptides, Structural levels of proteins and Stabilizing forces, Conformational properties of polypeptides and Ramachandran plot

Week 3 : Turns, loops, Super secondary structures, motifs and domains in proteins, Structures and function of Fibrous Proteins, Structure and function of Actin and myosins

Week 4 : Hemoglobin, Myoglobin and Oxygen binding, Role of Protein Structure Health and Disease, Assessment 1

Week 5 : Methods of Protein Separation and purification, Protein sequencing

Week 6 : Methods of structure determination of proteins : X-ray, NMR, CD etc, Clinical Proteomics

Week 7 : Protein Structure-based Drug Designing, Protein-Ligand(Small Molecules including drugs) interaction

Week 8 : Components of Nucleic Acid, Conformational parameters of Nucleic acids and DNA double helix, DNA Double Helix and Polymorphism

Week 9 : Circular and Supercoil DNA, Different types and structures of RNA

Week 10 : Interactions of small molecules (ions, drugs) with DNA, DNA Structure in health and disease

Week 11 : DNA-Protein interactions, Assessment 2

Week 12 : Introduction to Carbohydrates, Structures and conformations of polysaccharide cellulose, amylase, chitin, carbohydrate conjugates, Saturated and unsaturated fatty acids, Nomenclature of fatty acids and Essential and non-essential fatty acids

Week 13 : Glycoproteins and proteoglycons, Classification of Lipids: simple and compound lipids, phospholipids, Cholesterol, Micelles and Liposomes: Applications in biology and medicine

Week 14 : Lipids: extraction, separation and analysis, Components and architecture of Cell membrane, Various membrane models including Fluid-mosaic model

Week 15 : Cholesterol and its role in health and disease, Overview of Biomolecules , their Structure & Function, Revision of the course, Final Assessment

ABOUT INSTRUCTOR

Dr. Moganty R Rajeswari, Professor, Dept. Of Biochemistry in All India Institute Of Medical Sciences New Delhi-110029.She has 27 years of teaching and 33 She was awarded the Post – Doctoral Fellowship by the French Government in "Molecular Biology" also awarded the French Govt. scholarship through Ministry of Education under the head "Molecular Biology" in 1984. Dr Rajeswari is a Expert Committee Member of University Grants Commission , for various XIth plan, committee etc.
She is the Member of Project Review committee of Neurology & Neurochemistry division, ICMR, New Delhi
She was Assistant Editor of the" Indian J. Clinical Biochem" 2000-2004. Review research papers which are submitted for publication in International journals----Journal of Molecular Structure, At Present she is the president of DNA Society.

PROF. DR. SANJUKKTA BHADURI
Dean (Research) and Professor, Department of Urban Planning.
School of Planning and Architecture, Delhi

TYPE OF COURSE : PG
INTENDED AUDIENCE : Graduate from any discipline, post graduate students of any discipline, professional from any sector, academicians, researchers and policy/decision makers and anybody who is interested in the subject.

COURSE DURATION : 15 weeks (14th Aug to 7th Dec 2018)
EXAM DATE : 18th Dec 2018
NO OF CREDITS : 4

PRE-REQUISITES : Graduate from any discipline, post graduate students of any discipline, professional from any sector, academicians, researchers and policy/decision makers and anybody who is interested in the subject.

OBJECTIVE OF COURSE

The objective of the course is to impart knowledge related to planning of urban settlements. Considering the scale, typology hierarchy and the complexity pertaining to growth and development of Indian cities and the present inadequate capacity for planning the cities, this course would impart knowledge related to urbanization, city region linkages, planning history, theory, techniques of planning, concepts and approaches, processes, planning and development policies, types of plans, implementation of plans, projectization of these plans and case studies supplementing various aspects.

LEARNING OUTCOME

Upon Completion of this course, students will:
1. Understand the dichotomy between the urban and natural environment and resources
2. Understand the significance of city-region linkages and inter-dependence.
3. Understand the complex nature of issues, process specifically at metro and mega cities scale.
4. Understand how to develop indicators to measure various environmental, social and economic qualities of urban areas.
5. Be familiar with concepts such as climate change, green infrastructure, transit oriented development
6. Be familiar with approaches to human settlement planning
7. Be familiar with major urban policies and programmes at various levels and how they impact a city's development.
8. Be familiar with acts and legal tools relevant to city planning.
9. Be familiar with finance and management aspects of urban development.

COURSE PLAN

Week 01:- Definition and characteristics of Urban areas (Part I and II)

Week 02:- Implications of urbanization in India (Part I and II)

Week 03:- City in context of the Region (Part I and II)

Week 04:- Evolution of Cities (Part I, II and III)

Week 05:- Evolution of Cities (Part IV and V)

Week 06: New towns, counter magnets and satellite towns (Part I,II and III)

Week 07:- Peri urbanization, Inner cities

Week 08:- History of town Planning (Part I and II)

Week 09:- Planning Theories and Models (Part I,II and III)

Week 10:- Planning Approaches and Techniques (Part I,II and III)

Week 11:- Hierarchy of Plans – Regional plan and Master plan (Part I,II and III)

Week 12:- Hierarchy of Plans – Zonal plan, local area plan and layout plan (Part I,II)

Week 13:- Planning legislation – Acts, Policies, Missions and Schemes

Week 14:- Management of urban development

Week 15:- Financing Urban Development in India (Part I and II)

ABOUT INSTRUCTOR

Prof. Dr. Sanjukkta Bhaduri is a full time Professor of Urban Planning at SPA, New Delhi. She has done Bachelor in Architecture from Jadavpur University (1983), Masters in City Planning from I.I.T Kharagpur (1985) and Ph.D from SPA, New Delhi (2003). She has 33 years of professional, research and teaching experience in the fields of Urban Planning, Environmental Planning; the areas of special interest are Smart cities, Sustainable Development of settlements, Participatory Planning, Social aspects related to Planning Disaster Management, Urban Environmental Management, Assessment of Environmental Impacts, Energy and Urban Development, Environmental Quality of Human Settlements. She has worked in SPA, Delhi for 30 years in various positions.

PROF. (DR.) HARPREET KAUR
Professor of Law,
National Law University Delhi

TYPE OF COURSE	: UG/PG/Diploma/Certificate	**COURSE DURATION** :	15 weeks (1st Aug to 31st Dec, 2018)
INTENDED AUDIENCE :	UG/PG/Diploma/Certificate	**EXAM DATE** :	November/ December, 2018
		NO OF CREDITS :	4

PRE-REQUISITES : For LL.M students, it will be mandatory to have Bachelors' degree in law. Other professionals should be enrolled in their professional courses and will be presumed to meet requirements of admission to their professional degrees. Other working professionals should have at least bachelors' degree in any discipline and must have Preliminary knowledge about business and business organisations and role of business in economic development of the country

OBJECTIVE OF COURSE

India has witnessed tremendous growth in the corporate sector in the last few decades. In view of this, it becomes important for students of law and commerce to understand the legal dynamics of the corporate sector. The course covers all important recent developments in this area. The course of Corporate Law has been specifically designed to provide not only an overview but also an in-depth knowledge about incorporation, raising capital by companies, borrowings and investments by companies, foreign direct investment in Indian companies, corporate restructuring, corporate insolvency and other related important issues.

LEARNING OUTCOME

- In-depth understanding about different business organisations and comprehend importance of company form of business organisation with its incorporation and administration
- Learning about raising of capital by companies in compliance with SEBI regulations
- Comprehension of corporate management and governance
- Learning legal aspects of accounts and audit of companies with role of auditors
- Understanding different restructuring methods for companies
- Understanding business rescue proceedings and compromises
- Knowledge about investigations and adjudicatory machinery of companies
- Knowledge about remedies available to shareholders and others
- Understanding corporate insolvency

COURSE PLAN

Week 1- Business organizations, Corporate personality and Registration of companies

Week 2- Companies: Kinds, meetings and other applicable laws

Week 3- Raising of Capital by companies

Week 4- SEBI- Issue of capital and Disclosure Requirements

Week 5- Borrowings and investments by companies

Week 6- Corporate Management and Governance: Part One

Week 7- Corporate Management and Governance: Part Two

Week 8- REVISION AND ASSIGNMENT WEEK ONE

Week 9- Accounts of companies

Week 10- Auditing of companies

Week 11- Business Rescue Proceedings and Compromises

Week 12- Investigations and Adjudicatory Machinery

Week 13- Remedies to shareholders and others

Week 14- Corporate Insolvency and Bankruptcy

Week 15- REVISION, ASSESSMENT and Evaluation

ABOUT INSTRUCTOR

Prof. (Dr.) Harpreet Kaur joined National Law University, Delhi in 2011. She is currently Professor of Law at NLU Delhi, as well as the faculty-in-charge for certificate and diploma courses on Competition Policy and Law. She teaches Corporate Law, Securities Regulations and Competition Law. She has 16 years of regular teaching experience in her specialisation in Commercial Laws.

She is a Fulbright Scholar in Residence and was selected for the International Visitor Leadership Programme on Competition Law sponsored by US State Government and visited USA for three weeks exchange programme in 2015. She has served as Indian Council for Cultural Relations Chair Professor of Indian Studies at Leibniz University, Hannover, Germany from Oct 2015 till April 2016. She is a visiting professor at Faculty of Law, University of Bergen, Norway.

DR. ALKA CHADHA
Astt. Prof., Dept. of Visual Art: Drawing & Painting, RG (PG) College, Meerut

TYPE OF COURSE : UG/PG

INTENDED AUDIENCE : UG/PG

COURSE DURATION : 15 weeks (2nd July to 13th Oct, 2018)

**EXAM DATE** : 8th to 13th Oct. 2018

NO OF CREDITS : 4

PRE-REQUISITES : Knowledge of Technical Theory of Composition and how to compose the creative composition by using the technical base like methods, process and styles in which a creative composition can be made.

OBJECTIVE OF COURSE

With this paper of Visual Arts learner will be able to utilize techniques of composition in a creative manner.

LEARNING OUTCOME

The learners will learn about the techniques of composition and visual elements of art and how they contribute in making a painting more appealing. The learner will also learn how to compose the good composition.

Further on, the modules include technical base like methods, process and styles in which a creative composition can be made. Learning to express and communicate, one can experiment using various styles like 2D, 3D, realistic, traditional, cubistic, expressionistic, surrealist, decorative, constructive, minimal approach, symbolic, thumb nail, illustrative, idealistic, free and then sketching.
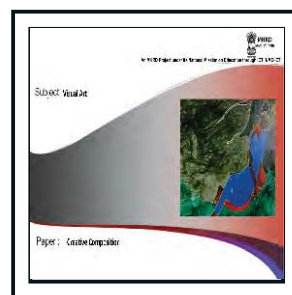
COURSE PLAN

Week 01:- 1. Meaning and Technical Theory of Composition Rule of Thirds, 2. Focal Points in Composition,3. Rule of Line in Composition

Week 02:- 4. Rule of Space in Composition, 5. Rule of Form, Shape in Composition, 6. Importance of Colors in Composition

Week 03:- 7. Rule of Harmony in Composition, 8. Rule of Rhythms in Composition, 9. Rule of Textures in Composition

Week 04:- 10. Rule of Contrast, 11. Balance in Composition, 12. Movement in Composition

Week 05:- 13. Rule of Odds in Composition, 14. Importance of subject, idea and feeling in painting, 15. Importance of imagination expression in Composition

Week 06:- 16. Role of Medium, Method, Process, Technique and Style in Composition, 17. Expression and Communication Using the Visual Arts

Week 07 :- Assignment Week

Week 08:- 18. 2-dimensional composition, 19. 3-dimensional composition, 20. Traditional Composition

Week 09:- 21. Realistic Composition, Part 1, 22. Realistic Composition, Part 2, 23. Cubistic composition

Week 10:- 24. Expressionistic Composition, 25. Surrealistic composition, 26. Decorative composition

Week 11:- 27. Constructive Composition, 28. Minimal composition, 29. Symbolic Composition

Week 12:- 30. Thumbnail Composition, 31. Illustrative Composition

Week 13:- 32. Idealistic Composition, part 1, 33. Idealistic Composition, part 2

Week 14:- 34. Free and Creative Composition, 35. Outdoor Sketching

Week 15 :- Final Exam

ABOUT INSTRUCTOR

Dr Alka Chadha has been working as Astt Prof in Dept of Visual Art, RG College, Meerut since the year 2001 after being appointed by Higher Education, Allahabad. She did Ph.D -2004 from Faculty of Visual Arts, B.H.U.,Varanasi; UGC (NET) 1998; M.F.A. (Painting) 1995-97, B.F.A. (Painting). She had to her credit many awards. She also bagged a Certificate of Excellence, International magazine- Startists: Contemporary women in art, 2017

Dr Alka has been the Guest Faculty for 40 lectures, under MHRD E-learning project from 26th-28th March and 27th-31st August,2011, and also the Content writer for E-pathshala MHRD project DEI Deemed Univ, Dayalbagh, Agra 2015, 2016, 2017; Guest lectures in many reputed Institutes, Invitee artist, and has written Reviews in catalogues of exhibitions of many renowned artists.

She has participated in many All-India, Regional and State level exhibitions. Dr Alka has held one two-man show and almost thirty group shows in India and abroad. Her collections are with many National & International collectors. She has attended twenty three Workshop; twenty six National and International seminars and four Conferences; and presented twenty three papers. Her Fifty four papers have been published in many seminars and reputed journals and books. She is the Editor of reputed National and International Journals.

CRIMINAL JUSTICE ADMINISTRATION

NEERAJ TIWARI
Assistant Professor
National Law University Delhi

TYPE OF COURSE	:	UG/PG/Certificate	**COURSE DURATION** :	15 weeks (1st Aug to 31st Dec 2018)
INTENDED AUDIENCE	:	UG/PG/Certificate	**EXAM DATE** :	In the month of December
			NO OF CREDITS :	4

PRE-REQUISITES : This course is beneficial for LL.B. and LL.M. students. Though other professionals who are familiar with the following concepts may also take up this Course:
Basic understanding of the normative structure of the Indian Criminal Justice System
Preliminary knowledge about agencies of Criminal Justice System
Basic understanding of provisions of Code of Criminal Procedure and Part III of the Indian Constitution

OBJECTIVE OF COURSE

The object of the course is to make the learners well versed with the Indian criminal justice system. To achieve this, the modules may be divided in to three categories- first, the modules which deal with functionaries of criminal justice system, second the modules which detail the pre-trial, trial and post trial processes and third the modules which raise voice and concern of other stakeholders like accused, victim and witnesses.

LEARNING OUTCOME

After completing the MOOC course, the student shall be able:
- To have a comprehensive understanding of the substantive and procedural issues which are shaped by the constitutional guarantees.
- To understand the roles of various functionaries in Criminal Justice System.
- To understand the procedural ramifications involved in investigation and other preliminary processes.
- To have the fundamental knowledge and understanding relating to cognizance, charge and trial process under the Code of Criminal Procedure.
- To expose about the process of sentencing and alternate modes of punishment.
- To have a fair idea about the correctional system within the realm of the criminal justice administration

COURSE PLAN

Week 01:- Foundations of Criminal Justice System : Modules 1, 2 and 3

Week 2 :- Functionaries of Criminal Justice Administration : Modules 4 and 5

Week 3:- Crime Reporting, Arrest and Investigation: Modules 6 , 7 and 8

Week 4:- Search & Seizure and Processes to Procure attendance of persons and documents: Modules 9 and 10

Week 5:- Pre Trial Process & Role of Courts, Access to Justice and Remand Procedure: Modules 11, 12 and 13

Week 6:- Rights of Arrestee, Procedural Safeguards to Rape Victims and Custodial Justice: Modules 14, 15 and 16

Week 7:- Principles of Fair Trial and Trial Process- Cognizance and Framing of Charge:

Modules 17 and 18

Week 8:- REVISION AND ASSIGNMENT WEEK ONE TO SEVEN

Week 9:- Initiation of Proceedings before Magistrate, Bail Jurisprudence: Modules 19 and 20

Week 10:- Trial Process- Place of Inquiry and Trial, Kinds of Trial and Appreciation of Evidence: Modules 21, 22 and 23

Week 11:- Compounding of Offences, Plea Bargaining and Probation: Modules 24, 25 and 26

Week 12:- Principles of Sentencing, Remission and Commutation of Sentence: Modules 27 and 28

Week 13:- Appeals, Revision and Correctional System: Modules 29, 30 and 31

Week 14:- Victims of Crime, Witness Protection, Maintenance Proceeding and Inherent Jurisdiction of High Courts: Modules 32, 33, 34 and 35

Week 15:- REVISION AND ASSIGNMENT WEEK NINE TO FOURTEEN

ABOUT INSTRUCTOR

Neeraj Tiwari is Assistant Professor of Law and Member of Centre for Criminology and Victimology at National Law University, Delhi. He specializes in Criminal law. He is pursuing his academic and research interest in Criminal Law and Criminal Justice Administration. Before joining NLU, Delhi Neeraj has served as a faculty at National Judicial Academy, India. Neeraj has published several papers in national and international journals primarily focusing on issues relating to criminal justice administration. Presently he is pursuing his doctorate research on Role of Magistracy in Criminal Justice Administration from NLU Delhi.

PROF. DEVENDRA KUMAR CHOUBEY
Professor, Centre of Indian Languages, JNU, New Delhi

TYPE OF COURSE	: PG	**COURSE DURATION**	: 15 weeks (21st Aug to 04th Dec, 2018)
INTENDED AUDIENCE	: UG/PG	**EXAM DATE**	: As per UGC decision
		NO OF CREDITS	: 4

PRE-REQUISITES : Graduate

OBJECTIVE OF COURSE

* दलित साहित्य के वैचारिक आधार को समझने का प्रयास किया जाएगा,
* दलित साहित्य की सैद्धांतिकी पर चर्चा की जाएगी,
* हिन्दी दलित साहित्य पर मराठी दलित साहित्य का प्रभाव देखने का प्रयास किया जाएगा,
* पहली दलित रचनाकार हीराडोम से अबतक की प्रमुख रचनाओं के वैशिष्ट्य पर चर्चा की जाएगी,
* इन सबके साथ आप आदिवासी साहित्य की परम्परा, सैद्धांतिकी एवं प्रमुख रचनाओं के सन्दर्भ में भी चर्चा की जाएगी।

LEARNING OUTCOME

* दलित साहित्य की अवधारणा, दलित साहित्य का स्वरूप, दलित साहित्य परंपरा से परिचित होंगे।
* दलित साहित्य का वैचारिक आधार, दलित साहित्य के अध्ययन की समस्याएं, दलित साहित्य और वैश्वीकरण, दलित साहित्य की भाषा, स्वानुभूति और सहानुभूति, दलित साहित्य और आदिवासी साहित्य का संबंध, आदिवासी साहित्य की प्रवृत्तियाँ और परंपरा सरहपा समझ सकेंगे।
* प्रमुख दलित एवं आदिवासी रचनाकार के रचनाओं के माध्यम से दलित एवं आदिवासी साहित्य की दिशा समझने में सक्षम हो सकेंगे।

COURSE PLAN

Week 1

Dalit Sahitya Ki Avdharana, Dalit Sahitya Ka Swaroop

Week 2

Dalit Sahitya Ki Parampara 1, Dalit Sahitya Ki Parampara 2, Dalit Sahitya Ki Parampara 3

Week 3

Dalit Sahitya Ki Bhasha, Swanubhuti Aur Sahanubhuti, Dalit Sahitya Ke Adhyann Ki Samasyayen

Week 4

Dali Sahitya Ka Vaicharik Adhar (Mahatma Jyotibha Fule), Dali Sahitya Ka Vaicharik Adhar (Dr.Bhimrao Ambedakar)

Week 5

Hindi Dalit Sahitya Par Marathi Dalit Sahitya Ka Prabhaw, Dalit Andolan Ka Itihas

Week 6

Dalit Stree Chintan, Dalit Sahitya Aur Vaishvikaran

Week 7

Dalit Kahaniyan, Dalit Kavita, Dalit Alochna

Week 8

Sarahapa 1, Sarahapa 2, Ravidas 1, Ravidas 2

Week 9

Dadudayal : Jivan Aur Sahitya, Hira Dom Aur Achhutanand

Week 10

Juthan Ka Alochnatmak, Adhyan, Akkarmashi,Murdaiya

Week 11

Aaj Bajar Band hai, Salam, Fulva Aur upmahadveep

Week 12

Sajish, Chappar, Dohra Abhishap

Week 13

Mera Bachpan Mere Kandhon Par, Shikanje Ka Dard

Week 14

Dalit Sahitya Aur aadivasi Sahitya Ka Antah Sambandh, Aadivasi Sahitya Ki Pravritiyan, Aadivasi Sahitya Ki Parampra

Week 15

Global ganv Ke Devta, Nirmala Putul Ki Kavitayen, Adiwasi Kahaniyan

ABOUT INSTRUCTOR

Devendra Kumar Choubey, working with Centre of Indian Languages, JNU, New Delhi, on the post of permanent Professor, having 20 years teaching experience in the University Education. Mobile Number 9868272999
E-mail ID cdevendra@gmail.com

BHASWATI GANGULI
Professor, Department of Statistics, University of Calcutta

TYPE OF COURSE	: PG	**COURSE DURATION** :	14 weeks (13/8/2018 - 16/11/2018)
INTENDED AUDIENCE :	PG	**EXAM DATE** :	20/11/2018
		NO OF CREDITS :	4

PRE-REQUISITES : **Basic knowledge of regression**

OBJECTIVE OF COURSE

The purpose of the course is to familiarise students with the tools and methods required for discrete data analysis. An introduction to the need for special methods is provided for the case when the outcome of a regression model is discrete rather than continuous. Methods for tabular representation and summarisation for such data are provided and the different types of discrete data such as ordinal, nominal etc are introduced. The latter part of the course focuses on GLMs with logistic and count data being the focus. The course is supplemented by examples using R.

LEARNING OUTCOME

Tools and methods for discrete data analysis and their implementation in R.
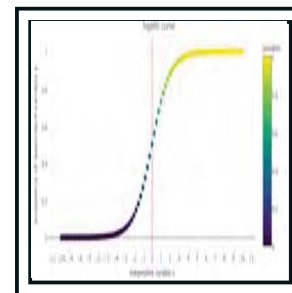
COURSE PLAN

Introduction to categorical data

Types of Data

Prospective and Retrospective Studies

The analysis of 2x2 table

Ordinal data I Ordinal Data II

Relative Risk and Relative Difference

Odds Ratio

Simpson's Paradox

The Binary Choice model

Logit and probit model

How to summarise categorical data in R

The O Rings dataset

Introduction to GLM

Components of GLM

Likelihood based inference 1IRLS equations

Inference for the logistic model

Residual Analysis for a GLM

Goodness of fitThe glm function in R

MID TERM ASSESSMENT

Grouped and ungrouped binary data

SparsenessRegression models for count data -I

Regression models for count data -II

Case Study: Analysis of the gala dataset of the faraway library in R

Zero Inflated Poisson models

Quasi likelihood

The quasi Poisson model

Polytomous regression 1

Polytomous regression 2

Polytomous regression 3

Models with constant Coefficient of Variation

Linear Mixed Model

Longitudinal Data Anaylsis in R

Subject specific models for longitudinal data

Conditional and Marginal Likelihood

GAMs

ABOUT INSTRUCTOR

Prof. Bhaswati Ganguli is a faculty member of the Department of Statistics at Calcutta University. Prof. Ganguli received her Ph.D. in Biostatistics from Harvard University and her research interests include smoothing, mixed models and spatial data analysis. She is an author of the R package SemiPar and was the Principal Investigator for the e PG Pathshala project in Statistics of the MHRD.

DISTRIBUTION FREE METHODS

DR. RAHUL BHATTACHARYA
Assistant Professor in Statistics, Department of Statistics, University of Calcutta

TYPE OF COURSE	: PG	**COURSE DURATION** :	14 weeks (13/08/2018 to 16/11/2018)
INTENDED AUDIENCE :	PG	**EXAM DATE** :	TBA
		NO OF CREDITS :	4

PRE-REQUISITES : Honours or Major in Statistics, Operations Research, B. Stat, B. Tech

OBJECTIVE OF COURSE

The course on Distribution free methods aims to give an exposure on distribution free methods in statistics starting from a very basic level. The course is logically divided into two halves- one explaining large sample methods and the other nonparametric methods. It presents the concepts, methodologies and applications in real fields in a unique way. The course is designed and developed with the aid of a number of theoretical and practical examples and develops insights in students through the self-assessment exercises.

LEARNING OUTCOME

The course is developed considering the needs of Post graduate students of statistics. After course completion, the students are primarily expected to identify the situations, where these procedures can be applied. However, from a larger perspectives, the course will develop interest among the students for further study and help them to prepare for advanced studies and competitive examinations like ISS, NET etc.

COURSE PLAN

Week 01:- Basics of nonparametric inference

Week 02:- U statistic with properties

Week 03:- Sign Test

Week 04:- Signed rank Test

Week 05:- Two sample tests

Week 06:- Goodness, Association and Homogeneity problems

Week 07:- Midterm week

Week 08:- Mathematical Prerequisites for large sample-I

Week 09:- MathematicalPrerequisites for large sample-II

Week 10:- MathematicalPrerequisites for large sample-III

Week 11:- Stochastic Convergence

Week 12:- Delta Theorems and applications

**Week 13:-** Asymptotic distributions and applications in inference

Week 14:- Asymptotic Optimality

Week 15 :- Final Examination

ABOUT INSTRUCTOR

Dr. Rahul Bhattacharya is currently an Assistant Professor in the Department of Statistics, University of Calcutta. Dr. Bhattacharya was a student of Presidency College, Kolkata with honors in Statistics, graduated from Calcutta University and thereafter obtained his Ph.D (Sc.) degree from the same institution. He has more than a decade long experience in teaching at both undergraduate and postgraduate levels in topics like, Statistical inference (parametric & nonparametric), Large sample theory, Probability theory and Real Analysis. However, his research interest is Biostatistics and related inference and he has been awarded the prestigious J.B. Haldane Memorial Prize from Indian Statistical Institute for outstanding research work done on his field. He has to his credit more than forty research articles on various fields of statistics.
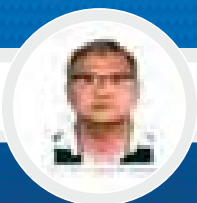
SUGATA SEN ROY
Professor, Department of Statistics,
University of Calcutta

TYPE OF COURSE : PG
INTENDED AUDIENCE : PG

COURSE DURATION : 15 weeks (13/8/2018 to 16/11/2018)
**EXAM DATE** : 20/11/2018
NO OF CREDITS : 4

PRE-REQUISITES : Ideas of basic statistical methods.

OBJECTIVE OF COURSE

The objective is to introduce the students to the idea of Econometrics, which primarily is a synthesis of Statistics and Economic Methods. First, an introduction to the classical regression model is made. Since most of the assumptions for these models do not hold for economics data, methods for tackling the violations are then discussed. Finally, extensions are made to several interdependent regression equations.

LEARNING OUTCOME

The student would be versed in the standard econometric techniques. This includes methods for choosing a proper model; ways of handling violations of classical assumptions like heteroscedasticity, autocorrelation and multiocollinearity; tackling interdependent variables in regression models through simultaneous equations systems, etc.. At the end of the course, the student will have enough perspective to do meaningful analysis of economic data.
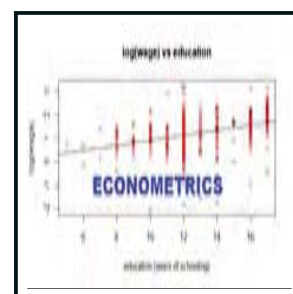
COURSE PLAN

Week 01: Introduction to regression model

Week 02: Regression with categorical regressors

Week 03: Detection of Outliesr

Week 04: Model selection techniques

Week 05: Problem of Heteroscedasticity

Week 06: Problem of Autocorrelation

Week 07: Problem of Multicollinearity

Week 08: Mid-term Assessment

Week 09: Censored response Variables

Week 10: Measurement Error Models

Week 11: Lagged Variable Models

Week 12: Simultaneous Equations Models

Week 13: Simultaneous Equations Models

Week 14: Simultaneous Equations Models

Week 15 : Final assessment

ABOUT INSTRUCTOR

Did graduation in Statistics (Hons) from Presidency College, Calcutta. Stood first in the post graduate examination in Statistics at University of Calcutta. Did Ph.D. in Statistics from University of Calcutta in the area of Time Series Analysis. Have been teaching at the University of Calcutta since 1989. Primary teaching and research interests are in Time Series Analysis, Regression Analysis, Econometrics, Development Statistics, Survival Analysis, Applied Multivariate Analysis and Functional Data Analysis.

DR. BHARTI KUMAR
Associate Professor at National Law University, Delhi

TYPE OF COURSE	: UG/PG/Diploma/Certificate	**COURSE DURATION**	: 01/08/2018 to 31/12/2018
INTENDED AUDIENCE	: UG/PG	**EXAM DATE**	: As scheduled by SWAYAM
		NO OF CREDITS	: 4

OBJECTIVE OF COURSE

The indelible impact of environment on the lives of people is overwhelming. The current scenario is particularly compounded by multitudinal issues as rampant air and water pollutions, climate change, loss of biodiversity and the like that has contributed to immense problems of environment and health care as well as raised the inevitable question of survival of life itself on earth. Apart from an overview of the vast subject matter, a substantive understanding in the gradual evolution of pertinent themes in environment shall be imparted so that the student is not only conversant with the overall framework of environmental law but also becomes acquainted with fundamental concepts of basic themes. The basic objective is to familiarize the concept and scope of environmental law and also of its particular dominant issues so as to become a value addition in learning and to ignite academic/research interest, eventually.
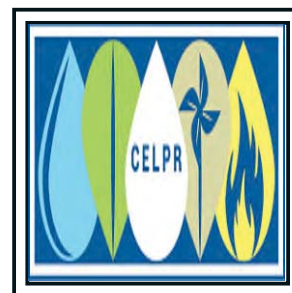
LEARNING OUTCOME

- Learning about the significance of law and the fundamental principles that have emerged developments in international environmental.
- Exposition about the human right to environment and constitutional framework governing environment in select countries, including India. ·
- Comprehending the statutory and regulatory mechanisms pertaining to environment in India. ·
- Understanding judicial response to environmental issues in India.

COURSE PLAN

Week 1- a) Introduction of international environmental law, b) Principles of Environmental Law

Week 2- a) Human rights to environment and constitution of the world, b) Sources of Environmental Law

Week 3 and 4- a) Law relating to Water pollution, b) Regulation of wetlands, c) Dams and the environment, d) Coastal regulation laws in India, e) High seas and outer space

Week 5 and 6- a) Law relating to Air pollution, b) Ozone depletion, c) Climate change law, d) Financial mechanisms and technology transfer, e) Energy laws

Week 7 and 8- a) Law relating to Waste management, b) Law relating to Plastic and bio- medical waste management, c) Industrial disasters and the environment, d) Disaster management and environment, e) Chemicals and impact on environment

Week 9- a) Regulation of Mining sector in India, b) Forest conservation laws in India, c) Wildlife protection, d) Environment crimes

Week 10- a) Biodiversity, b) Access and benefit sharing, c) Bio safety and legal issues

Week 11- a) Environment Impact Assessment, b) Procedural environmental rights, c) Role of NGO in environmental protection

Week 12- a) Judicial remedies in environmental cases b) Responsibility and Liability for environmental harm

Week 13 and 14- a) Nuclear energy and law, b) Armed conflict and the environment, c) International law and the Protection of the Antarctica and the Arctic, d) Regional environmental co-operative framework, e) International environment institutions

ABOUT INSTRUCTOR

Dr. Bharti is presently Associate Professor at National Law University, Delhi which she joined in 2009. Prior to that, she was teaching at Faculty of Law, Delhi University between 1998-2009. Her areas of interest and specialization are Environmental Laws, Human Rights, Humanitarian and Refugee Law, Constitutional Law, Laws relating to women, Alternative Dispute Resolution etc. She has been Visiting faculty at Bureau of Parliamentary Studies and Training, Institute of Constitutional and Parliamentary Studies, Indian Law Institute etc. Various paper presentations on different themes have been presented by her at several Conferences including SAARC Law Bhutan and GAJE at Turkey. She has been a part of Law Commission's Panel on Early Childhood Development as well as NCPCR's Panel on Education, Child Marriage etc. She is also part of Ministry of Women and Child Development's Panel to review institutional mechanisms related to delay in grant of maintenance to women. The International Environmental Conferences held by NGT in the past 3 years have seen the active participation by her in the organization and publication of its proceedings. She is Director, Centre for Environmental Law, Policy and Research at NLU, Delhi. She has coordinated various workshops and seminars. She is also involved in Legal Aid activities including mediation clinics as well as imparting clinical legal education at NLU Delhi.

DR TEJPAL DHEWA
Assistant Professor, Central University of Haryana, Mahendergarh, Haryana

TYPE OF COURSE	: PG	**COURSE DURATION**	: 15 weeks (21/08/2018 to 20/12/2018)
INTENDED AUDIENCE :	PG	**EXAM DATE**	: 20/12/2018
		NO OF CREDITS	: 4

PRE-REQUISITES : Graduation in science

OBJECTIVE OF COURSE

The major learning objectives of this course will be to study:
- The scope of food microbiology and food safety.
- To obtain the knowledge about important genera of microorganisms associated with food and their characteristics.
- To learn various techniques for enumeration and control of microorganisms in food
- To gain the essential knowledge and applications of various techniques (traditional to advanced) for preserving food.
- To understand the role of different microorganisms in food spoilage, food fermentation and foodborne diseases.
- To comprehend the microbiological quality control and foodborne illnesses investigation procedures for ensuring food safety and hygiene.
- To understand current national and international food safety rules and regulations.
- To know the requirements and components of food safety management system (FSMS) and use of microbiological risk assessment (MRA) tools for assessing microbiological risks in food sector.

LEARNING OUTCOME

After completion of this course, the learners will acquire the knowledge about:
- The scope of food microbiology and food safety.
- Important genera of microorganisms associated with food and their characteristics.
- Various techniques for enumeration and control of microorganisms in food
- Numerous techniques (traditional to advanced) for preserving food.
- The role of different microorganisms in food spoilage, food fermentation and foodborne diseases.
- The microbiological quality control and foodborne illnesses investigation procedures for ensuring food safety and hygiene.
- National and international food safety rules and regulations.
- The requirements and components of food safety management system (FSMS) and use of microbiological risk assessment (MRA) tools for assessing microbiological risks in food sector.

COURSE PLAN

Week 01 : 1. Introduction to food microbiology and food safety, 2. Microflora of Food, 3. Intrinsic factors affecting microbial growth and survival in food Discussion forum

Week 02 : 4. Extrinsic factors affecting microbial growth and survival in food, 5. Microbiological examination of food, 6. Advances in isolation and enumeration of microorganisms in food

Week 03 : 7. Principles of food preservation and significance, 8. Preservation of food by physical methods – low and high temperature, 9. Preservation of food by physical methods – radiation

Week 04 : 10. Preservation of food by chemical methods, 11.Biopreservation of food, Assignment-I

Week 05 : 12. Modified environment for storage of food, 13. Microorganisms as food, 14. Lactic fermentation in food

Week 06 : 15. Yeast-lactic fermentation in food, 16. Mold-lactic fermentation in food, 17. Starter cultures for food fermentation, Discussion forum

Week 07 : 18. Fermented milk, 19. Fermented milk products, 20. Fermented juice, vegetables and other beverages

Week 08 : 21. Fermented meat, 22. Fermented fish products, Assignment-II

Week 09 : 15. Introduction to food spoilage, 16. Spoilage of fruits, vegetables, and their products, 17. Spoilage of dairy products

Week 10 : 18. Spoilage of canned food, 19. Spoilage of bakery and egg products, 20. Spoilage of meat, fish, and sea food, Discussion forum

Week 11 : 21. Newer methods for controlling spoilage of food, 22. Predictive modelling for food spoilage, Assignment -III

Week- 12 : 23. Food borne outbreaks- Bacterial agents for foodborne illnesses, 24. Fungal and algal agents for foodborne illnesses, 25. Foodborne animal parasites

Week 13 : 26. Investigation of foodborne illnesss outbreaks, 27. Indicators of food microbial quality and safety, 28. Application of hurdle technology in food industry

Week 14 : 29. Principles of hygiene and sanitation in food service establishment, 30. Food safety laws: National and international, 31. Food safety and quality management system

Week 15 : 32. Principles and guidelines for conducting microbiological risk of food, Revision of the course, Discussion forum, Final assessment/Term-end examination

ABOUT INSTRUCTOR

Dr. Tejpal Dhewa is an Assistant Professor at Central University of Haryana. He is also serving as a UGC-SWAYAM Coordinator and Coordinator-Food Safety Training and Certification (FoSTaC) Centre-CUH, Food Safety and Standards Authority of India (FSSAI). He has a diverse industrial, teaching, and research experience. He has successfully completed DU innovation project (2013-2015). Recently, Dr. Dhewa granted an ECR project as Principal Investigator by Science and Engineering Research Board, Department of Science and Technology, Govt. of India. Besides, he is a course coordinator of two GIAN courses [Food Safety, Food Security, and Food Regulations: A primer, Course Code: 174040H04; and Metabolomics in food and nutrition science, Course Code: 174040H06] sponsored by MHRD, Government of India.

PROF. SHAMBHUNATH TIWARI
Professor, Hindi Depatt. AMU, Aligarh

TYPE OF COURSE	: PG	**COURSE DURATION**	: 15 weeks (22nd Aug to 05th Dec, 2018)
INTENDED AUDIENCE	: UG/PG	**EXAM DATE**	: NA
		NO OF CREDITS	: 4

PRE-REQUISITES : Graduation in any discipline having working Knowledge for M.A. level language & literature learning of Hindi.

OBJECTIVE OF COURSE

- विद्यार्थी न केवल हिंदी साहित्य के इतिहास से समग्रता के साथ परिचित हो सकेंगे, बल्कि हिंदी साहित्य के विविध पक्षों से जुड़े अनेक विवाद एवं मुद्दों पर भी निष्पक्ष एवं तर्कपूर्ण ढंग से विचार कर पाने में समर्थ हो सकेंगे।
- विद्यार्थियों की आवश्यकताओं और अपेक्षाओं के अनुरूप विषय के साथ पूर्ण न्याय हो सकें और उन्हें हिंदी साहित्य के इतिहासविषयक अधुनातन शोधपरक सामग्री से पूरी तरह परिचित करवाया जा सके।

LEARNING OUTCOME

'हिंदी साहित्य का इतिहास' पाठ्यक्रम में 'विद्यार्थियों को हिंदी साहित्य के संपूर्ण इतिहास से परिचित करवाना होता है, क्योंकि बिना साहित्य-इतिहास को समझे भाषा और साहित्य के सर्जनात्मक विकास को समझना कठिन होगा। साहित्य के इतिहास को हम इसलिए नहीं पढ़ते हैं कि उसमें अतीत की अनेक तिथियों, घटनाओं के साथ कवियों और उनकी रचनाओं के नाम जान लें, बल्कि उसका अध्ययन इसलिए आवश्यक है कि विभिन्न कालखंडों में अवस्थित कवियों के काव्यात्मक वैशिष्ट्य के साथ उनके द्वारा रचित साहित्य की विकासधारा को हम भलीभाँति समझ सकें।

COURSE PLAN

Week 1: Hindi Sahitya Ke Itihas Ki Rooprekha, Hindi Sahitya Ki Prishbhumi

Week 2: Aadikaal Ki Pramukh Pravritiyan, Raso Sahitya Ki Parampra, Bhakti Ka Uday Or Vikas

Week 3: Krishanbhakti Kavydhara, Rambhakti Kavyadhara, Gyanashrayi Kavyadhara, Premasharayi Kavyadhara

Week 4: Ritikaleen Kavya Ke Prernastrot, Riti Ka swaroop Evam Ritikaal Ki ParisthitiyanWeek 5Ritibaddh Kavya, Ritisiddh Kavya, Ritimukt Kavya

Week 6: Sahitya Bhasha Ke Roop Main Brijbhasha Ka Vikas, Sahitya Bhasha Ke Roop Main Avdhi Ka Vikas

Week 7: Sahitya   Bhasha Ke Roop Main Khdi Boli Ka Vikas, Hindi Sahitya Ke Itihas Lekhan Main Hindi Aur Urdu Ka sambandh

Week 8: Hindi Sahitya Main Adhunikata Ka Uday, Bhartenduyug, Dwivediyug

Week 9: Chhayawaad, Chhayawadottar Kavya Ki Vibhinna dharayen

Week 10: Pragatisheel Hindi Kavya dhara, Prayogwad, Samkaleen Hindi Kavita

Week 11: Hindi Upanyas Ka Vikas, Hindi Kahani Ka Vikas, Hindi Nibandh Ka Vikas

Week 12: Hindi Natak Ka Vikas, Hindi Alochna Ka Vikas

Week 13: Hindittar Bhartiya Bhashayen Or Hindi Sahitya, Hindi Ka Pratibimbit Sahitya Aur Hindi Sahitya Ka Itihas, Hindi Sahitya Ke Itihas Main Prampra Aur Pragati Ka sambandh

Week 14 : Hindi Sahitya Ke Itihas Lekhan Main Kaal Vibhajan Ka Aadhar, Hindi Sahitya Ke Vibhinn Kalon Par Punarvichar Ki jarurat, Hindi Sahitya Ke Naye Itihas Lekhan Ki jarurat Aur sambhavna

Week 15 : Prawasi Sahitya Aur Hindi Sahitya Ka Itihas, Hindi sahity Ki samriddhi Mein Anuwad Ki Bhumika, Adhunik Hindi Sahitya Ke Vikas Mein Patra-Patrikaon Ki Bhumika

ABOUT INSTRUCTOR

Shambhunath Tiwari,
a Professor(Hindi) in AMU ALIGARH. M.A.from JMI, NewDelhi, M.Phil., Ph.D. with J.R.F. from J.N.U.New Delhi. Having 24years of P.G. teaching experience he is actively engage in teaching and research.His main focus area is history of Hindi Literature, comparative study and modern poetry. Four books have been published in his cradit.He received many awards including rajasthan sahitya academy award(2010), Hindi Academy Award(1988). He has been a member of Rajasthan Urdu Academy (2007-10). Many programs have been telecast through Doordarshan, Jaipur.
FOREIGN VISIT
Prof.Shambhunath has visited Australia for two months (July-August 2016) as Academic and cultural purposes and delivered many lectures.

DR. SHIVSHANKAR MISHRA
Associate Professor & HOD, Research & Publication,
SLBSRS Vidyapeetha, New Delhi-16

TYPE OF COURSE	: PG/ACHARYA	**COURSE DURATION** :	15 weeks (01/08/2018 to 31/12/2018)
INTENDED AUDIENCE	: PG	**EXAM DATE** :	04/01/2019
		NO OF CREDITS :	6

PRE-REQUISITES : संस्कृत भाषा का ज्ञान , परास्नातक (एम.ए./आचार्य) पाठ्यक्रम में जो किसी विश्वविद्यालय अथवा महाविद्यालय में पंजीकृत हैं। यह पाठ्यक्रम संस्कृत के जिज्ञासुओं के साथ इतिहास, दर्शन, समाजशास्त्र आदि विषय के अभ्यर्थियों के लिए भी विशेष लाभदायक सिद्ध होगा।

OBJECTIVE OF COURSE

१. भारतीय संस्कृति का समग्र परिचय।
२. भारतीय संस्कृति की पुरातनता एवं ऐतिहासिकता का सम्यक् बोध।
३. प्राचीन–मध्यकालीन एवं आधुनिक भारत का इतिवृत्त ज्ञान।
४. इतिहास के विषय में भारतीय अवधारणा का परिचय।
५. पुराणों में भारतीय इतिहास की अवधारणा।
६. भारतीय धार्मिक परम्परा एवं संस्कृति के मूलतत्त्वों का निरूपण।
७. भारतीयदर्शन का संक्षिप्त परिचय।
८. संस्कृतवाङ्मय का संक्षिप्त परिचय।
९. पालि-प्राकृत-अपभ्रंश वाङ्मय का सम्यक् ज्ञान।
१०. भारतीय कलाओं का परिचय, उनकी दार्शनिक एवं सामाजिक पृष्ठभूमि का परिज्ञान।
११. भारत के सांस्कृतिक इतिहास का परिज्ञान।

LEARNING OUTCOME

इस पाठ्यक्रम के अध्ययन से छात्रों को भारतीय संस्कृति एवं भारतीय इतिहास के मूलभूत तत्त्वों का ज्ञान हो सकेगा। संस्कृत वाङ्मय के ग्रन्थों के आधार पर भारत की संस्कृति एवं भारत के इतिहास को भारतीय चिंतन की दृष्टि से समझने की दिशा में एक नवीन दृष्टि प्राप्त हो सकेगी।

COURSE PLAN

Week 1 : प्राचीनभारतीयेतिहासः प्रथमभागः (Ancient Indian History - Part One)– 01, प्राचीनभारतीयेतिहासः द्वितीयभागः (Ancient Indian History - Part Two)– 02, मध्यकालीनभारतम् (Medieval Indian History)– 03

Week 2 : आधुनिकभारतस्य इतिहासः (Mordern Indian History)- 04, इतिहासस्य भारतीया अवधारणा परम्परा च (Indian ideas of history and its tradition)– 5, पुराणेषु भारतीय इतिहासः (Indian history of puranas)– 6

Week 3 : ऐतिहासिकमहाकाव्यानि 1000-1599 ई (Historical epics 1000-1599 A.D.) – 7], ऐतिहासिकमहाकाव्यानि 1600-2000 ई (Historical epics 1000-1599 A.D.) – 8, भारतीयपरम्परा तत्त्व धर्माः- 09

Week 4 : धर्मपरम्परायां निहितानि तत्त्वानि- 10, धार्मिकपरम्परायां योजकानि तत्त्वानि- 11, धार्मिकपरम्परायाम् आह्निककर्म- 12

Week 5 : सांख्यदर्शनस्य सामान्यपरिचयः– 13, योगदर्शनस्य सामान्यपरिचयः– 14, वल्लभवेदान्तस्य दार्शनिकपरिचयः – (Philosophical introduction to Vallabha Vedanta)-15

Week 6 : शैवविशिष्टाद्वैतसिद्धान्तस्य सामान्यपरिचयः- 16 (Introduction to Shaiva Vishistadwaita Vedanta)-16, चार्वाकदर्शनम् (Philosophy of charvaka – 17, बौद्धदर्शने प्रथमः पाठः (First lesson on the philosophy of Budha)– 18

Week 7 : बौद्धदर्शने द्वितीयः पाठः (Second lesson on the philosophy of Budha)– 19, जैनदर्शनम् (Philosophy of jaina)- 20, कलाया दार्शनिकी पृष्ठभूमिः (Philosophical background of Art)- 21

Week 8 : Assignment 1

Week 9 : कलायाः सामाजिकी पृष्ठभूमिः (Social background of Art)- 22, भारतीया संगीतकला(Indian musical art)- 23, भारतीया नृत्यकला(Indian art of dancing)- 24

Week 10 : भारतीयनाट्यकला(Indian art of theater)– 25, भारतीया चित्रकला(Indian art of drawing)- 26, भारतीया मूर्तिकला (Indian art of Sculpture)- 27

Week 11 : भारतीया स्थापत्यकला(Indian art of Architecture)- 28, वेदवाङ्मयपरिचयः (Introduction to Vedic Literature) – 29, पुराणवाङ्मयपरिचयः (Introduction to Purana Literature)- 30

Week 12 : आर्षकाव्यपरिचयः (Introduction to Arsha Kala)- 31, संस्कृतपद्यवाङ्मयपरिचयः (Introduction to Sanskrit poetic literature)- 32, संस्कृतगद्यवाङ्मयपरिचयः (Introduction to sanskrit prose literature)– 33

Week 13 : संस्कृताव्यवाङ्मयपरिचयः (Introduction to sanskrit theatrical literature)– 34, पालिप्राकृतापभ्रंशवाङ्मयपरिचयः (Introduction to Apabramsha literature of Pali and Prakrit)– 35, संस्कृतलोकवाङ्मयपरिचयः(Introduction to literature of sanskrit lok)– 36

Week 14 : धार्मिकपरम्परायाम् आश्रमव्यवस्था- 37, धार्मिकपरम्परायां कालः- 38

धार्मिकपरम्परायां व्रतम्- 39, धार्मिकपरम्परायां गणपतिकल्पः ग्रहशान्तिश्च- 40

Week 15 : Assignment 2

ABOUT INSTRUCTOR

Associate Professor & HOD, Research & Publication, SLBSRS Vidyapeetha, New Delhi-16
Post Graduate Teaching/Research Experience: 20 Years
Email : ssmishralbs@gmail.com
Mob. 9411171081, 9456328499

DR. APARAJITA BHATT
Assistant Professor
National Law University, Delhi

TYPE OF COURSE	:	UG	**COURSE DURATION** :	15 weeks (1/8/2018 to 1/12/2018)
INTENDED AUDIENCE :		UG/PG	**EXAM DATE** :	December 2018
			NO OF CREDITS :	4

PRE-REQUISITES : Graduation in any discipline
Preliminary knowledge about Law & Technology

OBJECTIVE OF COURSE

- To understand the law relating to information technology
- To understand the challenges in the area of cyber law
- To understand the different facets of cyber crimes and learn about their prevention
- To understand the concept and issues related to net neutrality, internet governance and e-governance etc
- To make a comparative study with US, UK and other jurisdictions
- To understand the issues related to the jurisdiction in cyberspace
- To understand issues related to e-commerce
- To educate about the regulation of cyberspace at national and international level.

LEARNING OUTCOME

- Understand about the governance of internet and the issues relating to it.
- Learn about different kinds of cybercrimes and contraventions and their prevention.
- Understand about the issues and challenges in e-commerce
- Learn about privacy and data protection issues in cyberspace
- Understand computer forensics and the significance of digital evidence in the present world
- Understand the intricacies and challenges in digital and electronic signatures
- Understand the legal provisions under the Information Technology Act
- Comprehend cyber security issues
- Understand e-governance
- Analyse the concepts such as net neutrality

COURSE PLAN

WEEK 1 : 1. Internet Governance, 2. Jurisprudence and Scope of Cyber Law

WEEK 2 : 1. Jurisdictional Issues in Cyberspace, 2. Case Laws on Jurisdiction in Cyber space

WEEK 3 : 3. Overview of IT Act 2000, 4. Digital and Electronic Signatures, 5. Adjudication and Online Dispute Resolution

WEEK 4 : 6. E- commerce: Concept and Issues, 7. Taxation Issues related to e-commerce, 8. Financial Frauds and e-commerce

WEEK 5 : 9. E-Contracts, 10. Consumer protection in Cyberspace

WEEK 6 : 11. Cyber offences under the IPC-Challenges to the Old Criminal Justice System, 12. Cyber Crimes & Contraventions, 13. New Cyber Crimes

WEEK 7 : 14. Phishing, 15. Hacking, Cyber Bullying, Cyber Defamation

WEEK 8 : REVISION AND ASSIGNMENT WEEK ONE

WEEK 9 : 1. Cyber Pornography and Obscenity, 2. Crime against Government-Cyber Terrorism, 3. Liability of Intermediaries

WEEK 10 : 4. Computer Forensics, 5. Digital Evidence- Broad Principles

WEEK 11 : 6. Copyright Law and Cyberspace, 7. Patent Law and Cyberspace, 8. Trademark Law and Cyberspace

WEEK 12 : 9. International Cyber Law- US, 10. International Cyber Law- UK, 11. International Cyber Law- Other Jurisdictions

WEEK 13 : 12. Online Profiling, 13. Cloud Computing, 14. Online Privacy Issues and Data Protection Law in India, 15.Cyber Security

WEEK 14 : 16. Net Neutrality, 17. Electronic Governance

WEEK 15 : REVISION, ASSESSMENT AND EVALUATION

ABOUT INSTRUCTOR

Dr. Aparajita Bhatt, Assistant Professor, Faculty of Law at National Law University, Delhi is a Gold Medalist and University topper in LL.M.(Business Law) and LL.B. She teaches Cyber Law and Corporate Law at the University. She has also worked as an Assistant Professor in National Law University, Jodhpur. Her doctorate work focuses on the legal aspects of mergers and acquisitions in the light of changes in the Indian corporate world. She has given lectures on several occasions on various issues in workshops organized for the training of police officers at Rajasthan Police Training Centre, Jodhpur. She has guided a number of LL.M. students for their dissertations and projects. Aparajita has been a resource person for Rajasthan Police Training Centre on several occasions and has delivered lectures on various topics of Cyber Law and Human Rights. She has also been a resource person for various other workshops, national and international conferences including Delhi Judicial Academy. She has contributed in Distance Education Program by supervising DEP dissertations and has also written modules on M&A. She has also written modules on Corporate Law for Indian Institute of Corporate Affairs. She has guided several research students for their post-graduate degrees.

Her areas of interest are Cyber Law Mergers & Acquisitions, Company Law, Securities Law & Financial Market Regulations. She has presented papers in National and International Conferences/Seminars. She has also been a resource person for news channels. She has also been a coordinator for various projects, events and conferences at the University.

She has also coordinated a paper titled Information and Communication Technology for the e-pg pathshala

INTELLECTUAL PROPERTY

DR. YOGESH PAI
Assistant Professor of Law and the Co-Director of Centre for Innovation, Intellectual Property and Competition (CIIPC) at National Law University Delhi

TYPE OF COURSE : UG/PG
INTENDED AUDIENCE : UG/PG

COURSE DURATION : 15 weeks (01/08/2018 to 15/12/2018)
EXAM DATE : December, 2018
NO OF CREDITS : 4

PRE-REQUISITES : Basic knowledge of property law; temperament to understanding science, tech and interest in creativity and innovation.

OBJECTIVE OF COURSE

The course on intellectual property (IP) will provide: i. Conceptual clarity on various categories of IP law as property and its different dimensions; ii. Deeper understanding of the nature and content of IP rights, IP transactions and IP remedies/ enforcement; iii. Deeper understanding of the role and limits of balancing competing interests embedded in IP law; iv. Understand the contextual and contemporary developments in IP law and why they matter in practice; v. Will equip students to deal with real world IP issues

LEARNING OUTCOME

After finishing this course, students will be able to develop:
• Conceptual clarity on various categories of IP law
• Deeper understanding of the nature and content of IP rights, IP transactions and IP remedies/ enforcements
• Deeper understanding of the role and limits of balancing competing interests embedded in IP law
• Understand the contextual and contemporary developments in IP law and why they matter in practice

COURSE PLAN

Week 1 : Module 1: Introduction to Intellectual Property: A Conceptual Primer Module 2: Universal Origins of Intellectual Property Module 3: Theoretical Justifications for Intellectual Property Module 4: Economics of Intellectual Property: Innovation and Creativity - Policy Linkages

Week 2: Module 5: Legal Principles of International Intellectual Property Regime: Introduction to TRIPS Module 6: Intellectual Property and Interface with Fundamental Freedoms Module 7: TRIPS and Public Health: Challenges for Access to Medicines Module 8: Intellectual Property and Competition Law- A Primer

Week 3: Module 9: Concept of Invention, Novelty, Inventive Step and Industrial Application and Disclosure Module 10: Pharmaceutical Patents- Subject Matter Exclusions Module 11: Biotechnology Patents- Subject Matter Exclusions

Week 4: Module 12: Software and Business Methods Patents Module 13: Patents, Traditional Knowledge and Biodiversity

Week 5: Module 14: Originality Requirement in Copyright Law Module 15:: Subject-Matter Requirement in Copyright Law Module 16: Neighbouring/ Related Rights

Week 6: Module 17: Trademarks- Concept of Distinctiveness and Grounds for Refusal of Trademark Registration Module 18: Trademarks- Challenges in Non-Conventional Marks and Domain Names Disputes Module 19: Well Known Marks

Week 7: Module 20: Industrial Designs: Definition of a design; Concept of Novelty and Originality; designs not patentable; - Functional Designs Module 21: Trade Secrets- Conditions of Protection Module 22: Geographical Indications: Substantive Conditions for Registration

Week 8: REVISION AND ASSIGNMENT

Week 9: Module 23: Plant Variety Protection – Conditions of Registration Module 24: Other Kinds of Intellectual Property

Week 10: Module 25: Economic and Moral Rights of Authors Module 26: Copyright in the Digital Context Module 27: IP Assignment and Licensing

Week 11: Module 28: Patent Rights- Limited Exceptions Module 29: Copyright-Fair Dealing Module 30: Limitations on Rights of Trademarks Owners

Week 12: Module 31: Principles of IP Exhaustion Module 32: Patents- Compulsory Licensing /Other Uses Without Authorization Module 33: Copyrights- Statutory and Compulsory Licensing

Week 13: Module 34: Patent Infringement Module 35: Copyright Infringement Module 36: Trademark Infringement and Passing-off Module 37: Ambush Marketing and Comparative Advertising

Week 14: Module 38: Nature of Remedies in IP Law Module 39: Patent law- remedies Module 40: Copyright-Civil and Criminal Module 41: Trademark Law- Civil and Criminal

Week 15: REVISION AND ASSIGNMENT

ABOUT INSTRUCTOR

Yogesh Pai is an assistant professor of law and the Co-Director of Centre for Innovation, Intellectual Property and Competition (CIIPC) at National Law University Delhi. Yogesh is the Thomas Edison Fellow (2017-18) at the George Mason University, Washington D.C. In the fall of 2012, Yogesh visited the School of Law, University of Washington as the Asian Law Centre short-term Visiting Scholar. Yogesh is on the roster of consultants with the World Trade Organisation for Regional Trade Policy Courses (RTPC) and a Tutor with the WIPO Academy Distance Learning Programme. Yogesh has published in national and international journals.

PROF SUDESHNA BANERJEA
PROFESSOR, DEPARTMENT OF MATHEMATICS,
JADAVPUR UNIVERSITY, KOLKATA

TYPE OF COURSE	: POST GRADUATE	**COURSE DURATION :**	15 weeks (10/8/18 to 30/11/18)
INTENDED AUDIENCE :	POST GRADUATE STUDENT	**EXAM DATE** :	December, 2018
		NO OF CREDITS :	4

PRE-REQUISITES : Knowledge of Mathematics at undergraduate Honours level, knowledge of Functional Analysis and Complex Variable Theory.

OBJECTIVE OF COURSE

Integral equation and integral transform are important mathematical tools in Applied Mathematics. This is a fifteen week course where the students will be introduced to the topic of Integral equation and integral transform and motivation of the study. In first six weeks students will learn various types of linear integral equations, their method of solution. In next nine weeks students will be introduced to various types of integral transforms, their properties and applications.

LEARNING OUTCOME

Upon completion of the course, students will have the knowledge of various types of integral equations, their method of solution and different types of integral transforms and their applications. Students will be able to solve a boundary or an initial value problem by i) reducing to suitable integral equation ii) using suitable integral transform. Since any natural phenomena can be reduced to a boundary or an initial value problem, so the student will develop a skill to handle real world phenomena.

COURSE PLAN

Week 1: Chapter 1: M1. Classifications of integral equations. M2. Occurrence of Volterra integral equations.

Week 2: Chapter 1: M3. Occurrence of Fredholm integral equations. **Chapter 2:** M1. The theory of Fredholm alternative. M2. Homogeneous Fredholm integral equations of second kind with degenerate kernel. M3. Solution of Fredholm integral equation with degenerate kernel: example.

Week 3: Chapter3: M1: Fredholm integral equations of second kind with continuous kernel: solution by the method of successive approximations. M2. Fredholm integral equations of second kind with continuous kernel: solution by the method of successive approximations: example. M3. Method of successive approximations applied to volterra integral equation of second kind.

Week 4: Chapter 3: M4. Fredholm integral equations of second kind with continuous kernel: iterated kernel. M5. Fredholm integral equations of second kind with continuous kernel: Fredholm theorems. M6. Fredholm integral equation of second kind with square integrable kernel and forcing term.

Week 5: Chapter 4: M1. Properties of integral equations with symmetric kernel. M2. Hilbert schmidt theorem.

Week 6: Chapter 5: M1. Abel integral equation:Method based on elementary integration. M2. Abel integral equation:Method based on laplace transform.

Week 7: Chapter 6: M1. Introduction to Fourier transform. M2. Fourier transforms of some simple functions. M3. Properties of Fourier transform. M4. Convolution theorem and Parseval relation

Week 8: REVISION AND ASSIGNMENT WEEK

Week 9: Chapter 6: M5. Application of Fourier transforms in solving linear ordinary differential equations. M6. Application of Fourier sine and cosine transforms in solving linear ordinary differential equations. M7. Application of Fourier transform in solving partial differential equations. M8. Application of Fourier sine and cosine transform to the solution of partial differential equations.

Week 10: Chapter 7: M1. An introduction to Laplace transform. M2. Operational properties of Laplace transform. M3. Convolution of Laplace transform.

Week 11: Chapter :7: M4. Method of evaluation of inverse Laplace transform. M5. Application of Laplace transform to differential equations

Week 12:Chapter 8: M1. An introduction to Mellin transform. M2. Operational properties of Mellin transform. M3. Evaluation of Mellin transform of some functions.

Week 13: Chapter :9: M1. Hankel transform and its properties. M2. Hankel transform of some known functions and applications.

Week 14: Chapter 10: M1. Introduction to Z transform. M2. Inversion of Z transform.

Week 15: REVISION, ASSESSMENT and EVALUATION WEEK

ABOUT INSTRUCTOR

Educational qualification: Ph.D in Applied Mathematics from University of Calcutta.
Field of Specialization and expertise: Applied Mathematics, Theory of Water Waves, Integral Equations .
Presently working as a Professor in the Department of mathematics, Jadavpur University, Kolkata.
No. of publication: 62, No. Of Ph.D student: 6

INTERNATIONAL HUMAN RIGHTS SYSTEM

PROF. (DR.) Y.S.R. MURTHY
Professor & Registrar; Executive Director, Centre for Human Rights Studies, O.P. Jindal Global University

TYPE OF COURSE : PG degree

INTENDED AUDIENCE : Students studying at PG level such as M.A. (Human Rights) programme in Indian universities or LL.M with Human Rights specialization. The Course is also open to UG students.

COURSE DURATION : 15 weeks (10/08/2018 to 23/11/2018)

EXAM DATE : first week of December

NO OF CREDITS : 4

PRE-REQUISITES : Exposure to undergraduate courses of Social Sciences/Law would be helpful.

OBJECTIVE OF COURSE

Overall objectives of the complete course including the expected learning outcome of the course are:
1. To give students a brief overview of theories of human rights
2. To give a thorough understanding of the international legal framework as well as institutional framework for the protection and promotion of human rights.
3. To give a brief overview of the regional mechanisms for the protection and promotion of human rights

LEARNING OUTCOME

By the end of the course students should be able to:
1. Demonstrate a good understanding of the theoretical foundations of human rights and the beginnings of the concept of human rights and the human rights system as we know it today.
2. Display a good understanding of the nature and scope of international human rights law and the UN Charter and Treaty based human rights machinery.
3. Demonstrate a good understanding of the practical application of international human rights law to specific human rights problems.

COURSE PLAN

Week 01:- 1. Historical Development of Human Rights: from Ancient Roots to Magna Carta, 2. Natural Rights, 3. Liberal Theory of Rights

Week 02:- 1. Sociological Theory of Rights, 2. Marxist Theory of Rights, 3. Cultural Theory of Rights, 4. Legal Positivist theory of Rights

Week 03:- 1. Human Rights Provision in the UN charter, 2. General Assembly Mandate of the UN General Assembly, 3. UN Security Council

Week 04:- 1. ECOSOC: Mandate of ECOSOC for the protection and promotion of Human Rights, 2. UN Human Rights Commission Historical Overview, 3. The Commission on the Status of Women

Week 05:- 1. UN Commission for Social Development, 2. CCPCJ Commission on Crime Prevention and Criminal Justice, 3. The International Court of Justice

Week 06:- 1. Human Rights Council; Birth of the Human Rights Council - Comparison between Human Rights Commission and Human Rights Council, 2. Human Rights Council: UN Secretary General's Report "In larger freedom towards security, development and Human Rights for all

Week 07:- 1. UN Women, 2. United Nations Human Settlement Programme (UN Habitat), 3. United Nations High Commissioner for Human Rights and the Office of the United Nations High Commissioner for Human Rights (OHCHR)

Week 08:- 1. United Nations High Commissioner for Refugees (UNHCR), 2. Treaty-Based Procedures: Introduction to Role of UN Treaty-Based Bodies, Part-A, 3. Treaty Based Bodies. Part B

Week 09:- 1. Overview of the Human Rights Committee (ICCPR), 2. Overview of the Committee on Economic Social and Cultural Rights, 3. Charter Based Procedures: Human Rights Council Complaints Procedure - 1503 Procedure

Week 10:- 1. Special procedures; the mandates of Special Rapporteurs, Representatives, Experts and Working group, 2. Universal Periodic Review (UPR), 3. Food and Agriculture Organization (FAO)

Week 11:- 1. International Labour Organization (ILO), 2. World Health Organization (WHO), 3. UNESCO, 4. United Nations Children's Fund (UNICEF)

Week 12:- 1. Regional Mechanisms- European System: Council of Europe and its Institutions; European Convention for the Protection of Human Rights and Fundamental Freedoms, 2. European Social Charter and the European Committee of Social Rights, 3. Other Human Rights Treaties, 4. Organization for Security and Cooperation in Europe

Week 13:- 1. Africa Systems, 2. Part A Inter-American System for protection of human rights, 3. Part – B The Inter-American System for the Protection of Human Rights: Human Rights Monitoring **Bodies**

Week 14:- 1. Arab Regional Mechanism: Human Rights, 2. Asian Mechanism: Review of Efforts to Establish a South Asian Human Rights Mechanism, 3. International Criminal Court

Week 15:- 1. Introduction to National Human Rights Protection System

ABOUT INSTRUCTOR

Dr. Y.S.R. Murthy is presently working as the Professor & Registrar and Executive Director, Centre for Human Rights Studies in the O.P. Jindal Global University, Sonipat. Prior to it, he served in the National Human Rights Commission of India in various capacities for over 12 years including as the Director, Policy Research, Programmes and Projects Division.

His books on `Halsbury's Laws of India - Human Rights' and `Human Rights Handbook' were published by LexisNexis Butterworths. He edited NHRC's Annual Journal on Human Rights for several years.

He was awarded the British Chevening Fellowship for pursuing M.A. degree in Human Rights from University of London in 1998-99. He secured his Ph.D. from Tamil Nadu Dr. Ambedkar Law University, Chennai.

INTRODUCTION TO R

DR. SANTU GHOSH
Assistant Professor, Department of Biostatistics, St. John's Medical College - an affiliated institute of Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka

TYPE OF COURSE : Certificate

INTENDED AUDIENCE : UG/PG/Diploma/Certificate

COURSE DURATION : 14 weeks (13th Aug to 20th Nov 2018)

EXAM DATE : 20th November 2018

NO OF CREDITS : 4

PRE-REQUISITES : Fundamental knowledge on basic statistics and familiarity with the concept of computer programing.

OBJECTIVE OF COURSE

The course will give a brief introduction to R language for statistical computation. Starting from data processing to data visualization, tabulation/summarization, statistical comparison, exploration of association and effects estimation under R computation platform will be covered in this introductory course. Simultaneously, case study base course design will make learner fluent in contextual interpretation of statistical results. The course also partially introduces R-programming to enhance ability of a leaner to execute user defined algorithm in statistical analysis.

LEARNING OUTCOME

The course will develop Fluency in R computation and data analysis. It will make leaner familiar with R data structures, R objects R outputs, inbuild R functions and finally, construction of user defined function in R. It will not only teach how to apply statistical methods with the help of R, but enable learner to choose appropriate statistical technique along with subject specific interpretation of results obtained from the analysis.

COURSE PLAN

Week 01:- Overview of R

Week 02:- Linear Algebra

Week 03:- Graphics in

Week 04:- Descriptive statistics

Week 05:- R inbuild and user defined function

Week 06:- Testing of hypothesis

Week 07:- Simple Linear Regression

Week 08:- Mid-term assessment

Week 09:- Multiple Linear Regression

Week 10:- Categorical data analysis

Week 11:- Nonparametric statistics

Week 12:- Numerical Optimization

Week 13:- Maximum Likelihood Estimation

Week 14:- Case Study

Week 15 :- Examination

ABOUT INSTRUCTOR

The course coordinator has strong statistical background with almost 15years research experience in Public Health. Earlier he completed B.Sc. and M.Sc. in Statistics from University of Calcutta, Kolkata. Later he acquired an interdisciplinary PhD degree on 'Biostatistics-Environmental Health' from Faculty of Public Health, Sri Ramachandra University, Chennai. He also has more than 15years experience in R computing language and statistical analysis with plenty of research publications in international and national journals in the field of air pollution and health research in India.

MURAL STUDY

PROF. VIJAY SAKPAL
### Professor, Dept. of Mural, Sir J.J. School of Art, Mumbai

TYPE OF COURSE : UG/PG

INTENDED AUDIENCE : Students of art, artists, designers, sculptors, interior decorators, architects

COURSE DURATION : 20 weeks (2nd July to 13th Oct.'2018)

EXAM DATE : 15th Week of the course i.e. 8th to 13th Oct 2018

NO OF CREDITS : 4

PRE-REQUISITES : The learners are expected to have completed Graduation in any discipline, artists, designers, sculptors, interior decorators, architects who are engaged to create magnificent and mesmerising Mural works

OBJECTIVE OF COURSE

This specialised course caters to the needs of Fine Arts students at Post-Graduate level who are interested in learning the nuances, trends and professional tips from the experts in this field and equip themselves with the vast reservoir of knowledge and experience which will be shared by these experts through very interesting as well as practical modules throwing light on minute details from the very starting to the finest execution of a particular style of Mural making.

LEARNING OUTCOME

This course on Mural Art will be beneficial to the students of art to attain competence and expertise in attempting and undertaking such Mural artworks in a very professional and systematic way providing the learners a very lucrative and monetary beneficial career besides satisfying their creative skills.
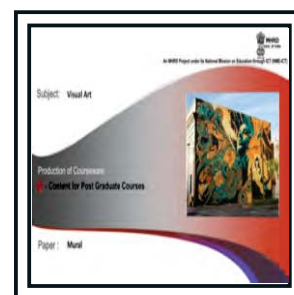
COURSE PLAN

Week 01:- 1. Introduction of Mural and History,2. Different Types of Mural,3. Temporary Mural Indoor

Week 02:- 4. Temporary Mural Outdoor, 5. Temporary Mural Wall Painting, 6. Multipurpose Medium (Tharmocol)

Week 03:- 7. Sketches For Indoor Mural, 8. Sketch Composition For Indoor Mural , 9. Sketch Convert 2-D To 3-D, Indoor

Week 04:- 10. Sketch Composition For Outdoor Mural, 11. Sketch Convert 2-D To 3-D, Outdoor, 12. Surface Making (For Tempera)

Week 05:- 13. Surface Making (For Fresco), 14. Tempera Painting , 15. Fresco Painting

Week 06:- 16. Tempera Painting On Readymade Surface (Bison Board) , 17. Acrylic On Canvas Panel , 18. Mix Media On Canvas Panel

Week 07:- Assignment Week

Week 08:- 19. Acrylic On Wooden Panel, 20. Mix Meadia On Wooden Panel, 21. Oil On Canvas Panel

Week 09:- 22. Terracotta Mural (Ceramic), 23. Ceramic's Mural On Tiles (Readymade Surface On Glaze), 24. Siporex Carving

Week 10:- 25. O.P Carving, 26. Metal Foil Work (Part I), 27. Metal Foil Work (Part II)

Week 11:- 28. Metal Enamelling, 29. Moulding And Casting

Week 12:- 30. Fibre Moulding and Casting, 31. Actual Size Composition (Indoor)

Week 13:- 32. Actual Size Composition (Outdoor), 33. Actual Material Arrangement (Indoor)

Week 14:- 34. Installation Of Mural (Indoor), 35. Installation Of Mural (Outdoor)

Week 15:- Final Exam

ABOUT INSTRUCTOR

Prof. Vijay Gopal Sakpal is Faculty Member of Dept. of Drawing & Painting (Mural), Sir J.J. School of Art, Mumbai. He did BFA (Drawing & Painting) and MFA in Portraiture from Sir J.J. School of Art, Mumbai. He had to his credit many awards like Sir J.J. School of Art Mumbai Annual Exhibition Award 1988-1995; Art Society of India Award; Bombay Art Society Award 1998; Maharashtra State Art Award 1994, 1996; VV Oak Award, Pune, 2001; Nasik Kala Niketan Award, 1992, 1994.

He has participated in many All-India, Regional and State level exhibitions. Prof. Sakpal has held four one-man shows namely Jahangir Art Gallery, Mumbai, 1999; Shrushti Art Gallery, Aurangabad, 2000; Art Walk Gallery, Mumbai, 2001; Jahangir Art Gallery, Mumbai, 2017.

His collections are with many National & International collectors like Bhawani Museum, 2000; Raj Bhawan, Mumbai, 2003, 2012; Restoration of BaburaoSadwelkar Painting Mural at NDA, Pune, 2005; Maharashtra Chitrarath Design for Republic Day Parade at Rajpath, 2014; IIFT, New Delhi, 2009. He had delivered Talks, Lectures & Demonstration of Portraits & Landscape in various Institutions and Private organizations in India and abroad.

DR. MADHUMANGAL PAL

**Professor, Department of Applied Mathematics with Oceanology and Computer Programming,
Vidyasagar University, Midnapore
West Bengal**

|			
TYPE OF COURSE	: PG	**COURSE DURATION** :	15 weeks (10/08/2018 & 30/11/2018)
INTENDED AUDIENCE :	PG	**EXAM DATE** :	Eighth and fifteenth weeks
		NO OF CREDITS :	4

PRE-REQUISITES : The basic knowledge of Calculus and Algebra of undergraduate level are required. To understand the C program, the very basic concept of C programming is needed.

OBJECTIVE OF COURSE

The main objectives of the course is to provide students with the specialist knowledge to
1. the sources and types of errors in numerical computations
2. develop several numerical methods for interpolation
3. develop appropriate numerical methods to approximate a function
4. derive several methods to solve an algebraic and transcendental equations
5. develop direct and iterative methods to solve a system of linear and non-linear equations
6. develop several numerical methods to solve ordinary and partial differential equations
7. derive appropriate methods to find derivative and integration of a function for single and double variables
8. design appropriate numerical methods to find eigenvalues and eigenvectors of a large matrix.
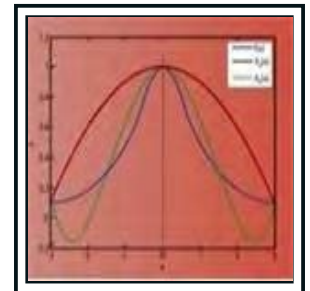
LEARNING OUTCOME

The students will be able to
1. perform an error analysis for a numerical method
2. calculate the value of a function for a given value of the argument from a table of values by appropriate interpolation formula
3. approximate a function
4. solve an algebraic and transcendental equations
5. solve a system of linear and non-linear equations by direct and iterative methods
6. solve ordinary and partial differential equations
7. evaluate derivative and integration of a single and double variables function
8. calculate eigenvalues and eigenvectors of a large matrix.
9. writing of program for numerical problem

COURSE PLAN

Week 01:- 1. Error in Numerical Computations. 2. Propagation of Errors and Computer Arithmetic.

Week 02:- 1. Operators in Numerical Analysis. 2. Lagrange's. Interpolation. 3. Newton's Interpolation Methods. 4. Central Deference Interpolation Formulae.

Week 03:- 1. Aitken's and Hermite's Interpolation Methods. 2. Spline Interpolation. 3. Inverse Interpolation. 4. Bivariate Interpolation.

Week 04:- 1. Least Squares Method. 2. Approximation of Function by Least Squares Method. 3. Approximation of Function by Chebyshev Polynomials.

Week 05:- 1. Newton's Method to Solve Transcendental Equation. 2. Roots of a Polynomial Equation. 3. Solution of System of Non-linear Equations.

Week 06:- 1. Matrix Inverse Method. 2. Iteration Methods to Solve System of Linear Equations. 3. Methods of Matrix Factorization.

Week 07:- 1. Gauss Elimination Method and Tri-diagonal Equations. 2. Generalized Inverse of Matrix. 3. Solution of Inconsistent and Ill Conditioned Systems.

Week 08:- REVISION AND ASSIGNMENT WEEK

Week 09:- 1. Construction of Characteristic Equation of a Matrix. 2. Eigenvalue and Eigenvector of Arbitrary Matrices. 3. Eigenvalues and Eigenvectors of Symmetric Matrices.

Week 10:- 1. Numerical Differentiation. 2. Newton-Cotes Quadrature.

Week 11:- 1. Gaussian Quadrature. 2. Monte-Carlo Method and Double Integration.

Week 12:- 1. Runge-Kutta Methods. 2. Predictor-Corrector Methods.

Week 13:- 1. Finite Difference Method and its Stability. 2. Shooting Method and Stability Analysis.

Week 14:- 1. Partial Differential Equation: Parabolic. 2. Partial Differential Equations: Hyperbolic. 3. Partial Differential Equations: Elliptic

Week 15:- Examination

ABOUT INSTRUCTOR

Prof. M.Pal is currently a Professor of Applied Mathematics, Vidyasagar University. Prof. Pal is the author of eight text books published from India and United Kingdom. One of them is Numerical Analysis for Scientists and Engineers: Theory and C Program, published by Narosa, New Delhi. Prof. Pal has published about 280 research papers in International and national journals. Prof. Pal is the Editor-in-Chief of "Journal of Physical Sciences", "Annals of Pure and Applied Mathematics", section editor of "International Journal of Computational Intelligence Systems" and member of editorial Boards of many journals.
He has visited China, Greece, London, Taiwan, Malaysia, Thailand, Hong Kong, Dubai and Bangladesh for academic purpose.

PROF. (RETD) (DR.) A.K.SAIHJPAL
Former Dean, Faculty of Commerce and Management &
Founder Director UIAMS, Panjab University, Chandigarh

PROF. (DR.) VISHAL KUMAR
Professor, School of Management, Maharaja Agrasen
University, Baddi (H.P.)

TYPE OF COURSE : PG
INTENDED AUDIENCE : PG Courses of Commerce, Management and Professional Studies

COURSE DURATION : 15 weeks (1st Aug to 30th Nov, 2018)
EXAM DATE : As per the decision of the University
NO OF CREDITS : 4

PRE-REQUISITES : The learners are expected to have completed Graduation in any discipline.

OBJECTIVE OF COURSE

This course aims to prepare students for understanding the human behaviour in an organization for getting desirable results. The course will provide a good foundation for students intending to study management principles and practices with the study of human behaviour within the organization. The objective of the course is to provide students with the essential content and experiences they need to become a successful manager and an effective employee. By taking this course, students will understand themselves and other people at work and will be able to learn how to create effective work groups to be a successful in life.

LEARNING OUTCOME

After completing this course, the students shall be able to:
1. Identify and analyze aspects of human behaviour at individual and group level.
2. Outline various factors that affect organizational behaviour.
3. Draw a relation between organizational factors such as structure, levels, conflict and leadership.
4. Study micro and macro factors affecting organizational behaviour.
5. Discuss theories by eminent management experts and professionals.

COURSE PLAN

Week 1 : Organisational Behaviour- Meaning and Concept, Organisational Behaviour- Importance and Fields of Study

Week 2 : Roles and Skills of Managers, Organisational Behaviour- Challenges

Week 3 : Field of OB: Individual, Groups & Systems as building blocks, Organisational Behaviour Models, Evolution of Organisational Behaviour- Part 1

Week 4 : Evolution of Organisational Behaviour- Part 2, Researches in Organisational Behaviour, International Organisational Behaviour

Assessment-1

Week 5 : Perception, Personality

Week 6 : Learning: Concept and theories Values

Week 7 : Attitude: Meaning and Concept, Attitude: Formation and Change, Motivation: Content theories

Week 8: Motivation: Process theories, Job Satisfaction, Emotions and Emotional Intelligence :

Week 9 : Formation of Groups, Types of Groups

Week 10 : Team Dynamics, Group Decision Making, Interpersonal Relations

Assessment-2

Week 11 : Communication- Nature, Types and Barriers, Leadership- Nature, Importance and Styles, Theories of Leadership

Week 12 : Power and Politics, Conflict, Foundations of Organization Structure

Week 13 : Organizational Design, Diversity and Its Management, Stress among Employees

Week 14 : Work Life Balance, Organizational Change and Development, Organizational Culture

Week 15 : Employee Empowerment, Learning Organisation, Ethical Behaviour in Organizations

Final Exam

ABOUT INSTRUCTOR

Prof. (Dr.) A.K. Saihjpal is an eminent personality in the field of Commerce and Management. He is M.Com, Adv. Dip. in Taxation Law and Ph.D in Financial Management. Dr. Saihjpal joined Panjab University, Chandigarh in January 1975. He has more than 35 years of teaching experience. He has guided more than 30 M.Phil and 8 Ph.D scholars and has also published 16 well–acclaimed research papers in the renowned journals of Commerce and Management. He has functioned as Head of Commerce Department, University School of Open Learning for over 14 years. He was the founder of starting B.Com classes through Distance Learning mode at Panjab University, Chandigarh in 1975 and also started Post Graduate Diploma in Office Management, Master of Finance & Control & lastly M.Com and MBA through the same mode.

Prof. (Dr.) Vishal Kumar is the Co-Coordinator and Resource Person of this course. He is M.Com, UGC NET, MBA and Ph.D. He is a distinguished scholar, an academician of National and International repute and a very popular teacher. He is working as Professor at School of Management, Maharaja Agrasen University, Baddi (H.P). He has 21 years of teaching experience as faculty in Commerce and Management. He is a prolific writer and has authored 24 text books and 3 edited books covering an array of topics pertaining to Commerce and Management. He has published 40 well–acclaimed Research Papers and also presented 42 Research Papers at National and International conferences/seminars. He has visited various countries to participate in International Conferences. He has also completed a project e-PG Pathshala in Management as Coordinator of the Paper "Entrepreneurship Development and Project Management".
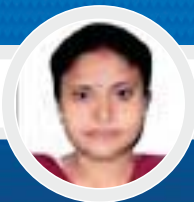
ALAKA DAS
**Professor, Department Of Mathematics,
Jadavpur University**

TYPE OF COURSE	: PG	**COURSE DURATION :**	15 weeks (10th Aug to 30th Nov, 2018)
INTENDED AUDIENCE :	PG	**EXAM DATE** :	Assignment on Week 8 and Week 15
		NO OF CREDITS :	4

PRE-REQUISITES : Knowledge of Linear Algebra, Ordinary Differential Equations and Theory of Special Functions.

OBJECTIVE OF COURSE

To Learn Theory Of Partial Differential Equations And Its Applications

LEARNING OUTCOME

1. Learner will have the knowledge on the theory of partial differential equation.
2. Learner will develop a skill to solve partial differential equation independently.

COURSE PLAN

Week 01:-

Basic Ideas of PDE

Week 02:-

Simultaneous Differential Equations of First Order First Degree, Pfaffian Differential Equations, Linear and Quasi-Linear First Order Equations.

Week 03:-

Nonlinear First Order PDE, Charpit's and Jacobi's Method, Solutions Satisfying Given Conditions

Week 04:-

Introduction to Second Order PDE, Solution of Second Order PDE with Constant Coefficients and Variable Coefficients

Week 05:-

Elliptic Differential Equations

Week 06:-

Parabolic Differential Equations

Week 07:-

Hyperbolic Differential Equations

Week 08:-

Rivision and Assignment

Week 09:-

Application of Integral Tranform methods specifically Laplace Transform and Fourier Tranform

Week 10:-

Application of Henkel and Mellin Transform, Finite Integral Transform Method

Week 11:-

Green's Function Method of Solving PDE

Week 12:-

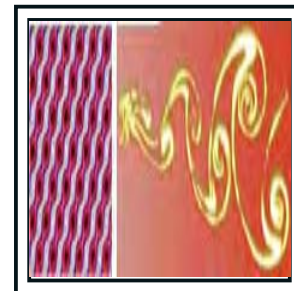Eigen Function Approach to Solve PDE

Week 13:-

Nonlinear Wave Equation, KDV Equation, Dispersion and Dissipation

Week 14:-

Burgers' and Schrödinger Equation

Week 15 :-

Rivision and Assignment

ABOUT INSTRUCTOR

- Lecturer in the Department of Mathematics of Hooghly Women's College during 2001-2005.
- Lecturer in the Department of Mathematic of Jadavpur University during 2005-2006.
- Senior Lecturer in JU during 2006-2010.
- Reader in JU during 2010-2013.
- Associate Professor in JU during 2013-2016.
- Professor in JU since 2016.

Research Interest:- Dynamical Systems, Nonlinear Dynamics, Hydrodynamic and Hydromagnetic Instabilities, uncertainty and computer vision

PROF. (DR.) G.S. BAJPAI
Professor (Criminology & Criminal Justice) & Registrar

TYPE OF COURSE	:	PG Students	**COURSE DURATION** :	15 weeks (01/08/2018 to 31/12/2018)
INTENDED AUDIENCE :		Pursuing PG in Law, Commerce, Business Administration Pursuing courses of Company Secretary or Chartered Accountancy	**EXAM DATE** : **NO OF CREDITS** :	December 2018 4
PRE-REQUISITES	:	Preliminary Knowledge about Social Sciences Preliminary Knowledge about Social Research Preliminary Knowledge about Legal Research		

OBJECTIVE OF COURSE

The applications of research methodology to legal research have yet to receive adequate attention India. For want of various reasons, this discipline is now gaining increased attention. This paper now forms a part of core courses in the one year LL.M. programmes recognized by the U.G.C. Besides, the need for empirical methodology in legal research is getting far more pronounced for the objectives like policy and programme evaluation, law impact assessment and implementation analysis. This course would enable the participants to imbibe the basic concepts in legal research culminating into the learning of doctrinal and non-doctrinal or empirical methods of research.

LEARNING OUTCOME

After completing the MOOC Course, the applicant shall be able to:
- Understand the concept and application of research techniques
- Draw research objectives, hypothesis and research design
- Know about the various types of research methods
- Comprehend applicability of various research models in policy making.
- Know about methods of review of literature and data collection
- Understand modes of data processing.
- Utilize a variety of research methods in developing research proposals

COURSE PLAN

Week 1 - Basics of Research, Legal Research, Legal Reasoning

Week 2 - Socio-Legal Research, Research Problem, Research Design

Week 3 - Hypothesis, Qualitative and Doctrinal Methods in Research, Quantitative Methods in Research, Sampling

Week 4 - Methods of Data Collection, Tools & Techniques of Data Collection, Data Analysis

Week 5 - Video, Text, Discussion forum, Live chat, Quiz,

Week 6 - Video, Text, Discussion forum, Live chat, Quiz

Week 7 - Video, Text, Discussion forum, Live chat, Quiz,

Week 8 - Revision and Assignment

Week 9 - Measurement, Scaling

Week 10 - Reliability & Validity, Primary & Secondary Data

Week 11 - Survey Method, Content Analysis, Case Study Method

Week 12 - Projective Techniques, Data Processing, Statistical Package for Social Sciences (SPSS)

**Week 13 -** Drawing Conclusions, Report Writing

Week 14 - Citation Patters, Plagiarism

Week 15 - REVISION, ASSESSMENT and Evaluation

### ABOUT INSTRUCTOR

Prof G S Bajpai serves as Professor of Criminology & Criminal Justice; Chair Professor at K.L Arora Chair in Criminal Law at National Law University, Delhi and also as the Chairperson at the Centre for Criminology & Victimology. He is also the Registrar, National Law University, Delhi. Before this, he was serving (2007-2011) as Professor & Chairperson at the Centre for Criminal Justice Administration, National Law Institute University, Bhopal (MP). Prof. Bajpai did his post doctorate study (2004) as Commonwealth Fellow at the Department of Criminology, Leicester University, U.K. Prof. Bajpai has more than 25 Years of Teaching/ Research Experience.

SUBSTANTIVE CRIMINAL LAW
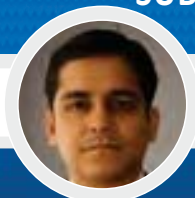
DR.RANGIN PALLAV TRIPATHY
Assistant Professor, NLU Odisha
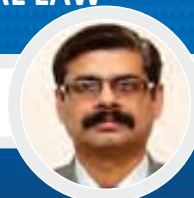
DR. MUKUL RAIZADA
Assistant Professor, NLU Delhi

TYPE OF COURSE	:	PG	**COURSE DURATION** :	15 weeks (01/08/2018 to 31/12/2018)
INTENDED AUDIENCE :		PG	**EXAM DATE** :	December, 2018
			NO OF CREDITS :	4

PRE-REQUISITES : **For pursuing this course, students are required to have minimum graduate degree in Law and they should be familiar with the following concepts:**
Preliminary knowledge of criminal law
Preliminary knowledge about uniqueness of criminal law in the legal system
Preliminary knowledge about societal influence in the shaping of criminal law

OBJECTIVE OF COURSE

- To understand the foundations of criminal law along with the critical constituents of a crime
- To comprehend the principles of liability and punishment under the Indian Penal Code
- To grasp the nuances of inchoate offences
- To analyse the scope and application of the General Exceptions
- To understand the dimensions of various sexual offences
- To appreciate the context of several offences relating to the institution of marriage
- To comprehend the various offences concerning human body including that of murder
- To analyse the offences concerning property and reputation
- To understand the nuances of offences against the state
- To appreciate the foundation of white collar crimes
- To grasp the context of caste based offences

LEARNING OUTCOME

After the completion of the course, the following is expected from the learner

- The ability to determine if a particular set of facts can be classified as criminal conduct keeping in mind the ingredients and nuances of various offences.
- The capacity to know if the person being accused of committing the crime can be exempted from criminal liability under any of the principles of General Exceptions.
- The ability to determine the minimum and maximum punishment that may be imposed on a person if he is held guilty of having committed a crime.
- The capacity to understand the ongoing debates in the area of criminal law and contribute intelligently in any discussion on reforms in criminal law.

COURSE PLAN

Week 01:- Introduction to Criminal Law

Week 02:- Principles of Liability and Punishment under IPC

Week 03:- Inchoate Offences

Week 04:- General Exceptions

Week 05:- Sexual Offences Part-1

Week 06:- Sexual Offences Part-2

Week 07:- Offences Concerning Marriage

Week 08:- Revision and Assignment

Week 09:- Offences of Culpable Homicide and Murder

Week 10:- Other Offences Concerning Human Body

Week 11:- Offences Concerning Property and Reputation

Week 12:- Offences Against the State

Week 13:- White Collar Crimes

Week 14:- Caste Based Offences

Week 15 :- Revision, Assignment and Evaluation

ABOUT INSTRUCTOR

Dr. Rangin Pallav Tripathy
Assistant Professor of Law, National Law University Odisha, Cuttack
Dr. Rangin Pallav Tripathy has been teaching at National Law University Odisha since 2010. He has several publications in referred journal to his credit in the area of judicial appointments, access to justice and judicial performance evaluation. He has also authored a book titled 'Rights Without Law'. He is currently associated with two projects from Department of Justice in the area of judicial reforms.

Dr. Mukul Raizada
Assistant Professor of Law, National Law University, Delhi.
He has a research experience of 3 years and teaching experience of fifteen years at the Graduate levels (LL.B.) (3 yrs and 5 yrs) and Masters (LL.M.). He has research articles to his credit published in National and International journals. He has also coordinated a few national and international workshops and conferences. He has delivered lectures as resource faculty in many professional development programs.

DR. DIBYENDU DE
Associate Professor, Department of Mathematics, University of Kalyani

TYPE OF COURSE : PG

INTENDED AUDIENCE : PG

COURSE DURATION : 15 weeks (08/08/2018 to 30/11/2018)

EXAM DATE : 06/10/2018(first assessment)
Final Exam : 08/12/2018 (tentative)

NO OF CREDITS : 4

PRE-REQUISITES : Knowledge of elementary set theory is required. Zorn's Lemma, well ordering principle, cardinal number and ordinal number will be used frequently in the discussions. Knowledge of Real Analysis and complex analysis, in particular continuous functions is necessary. Some knowledge of number theory will also be required to tackle some examples. Knowledge of metric spaces will be appreciated but not necessary.

OBJECTIVE OF COURSE

Topology is in fact study of surfaces. This course is a twenty-week program introducing fundamental notions of topology, for example: countability axioms, separation axioms, compactness and connectedness. Starting from the definition of topology and bases we shall enter into different topological properties. We shall also examine which properties are productive properties. We shall also introduce the notion of identification topology, which will enable students to form new interesting topological spaces from old ones.

LEARNING OUTCOME

Upon completion of the course, students will be competent in topology. They will be able to discuss about continuous functions and will gather knowledge about compactness and connectedness, which are extremely useful in various branches of mathematics. They will learn several separation axioms which will guarantee rich supply of continuous functions. Students will also be friendly with manifolds, which enables them to enter in geometric objects. This course will prepare the students to enter in different kinds of research area for example, algebraic topology, geometry, topological dynamics etc.

COURSE PLAN

Week 01:- Introduction to definition of Topological spaces, Base of Topological spaces.

Week 02:- New spaces from old one, Introduction to Continuity, Homeomorphism.

Week 03:- Product topology, Metrizable spaces.

Week 04:- First countability and Second countability, Lindelofness.

Week 05:- Separation Axioms, Separation Axioms: Normality, Properties of normal spaces.

Week 06:- Urysohn's Lemma, Tietze Extension Theorem.

Week 07:- Introduction to Connected spaces, Examples of Connected Spaces, Path Connectedness, Components, Matrix Lie **groups.**

Week 08:- REVISION AND ASSIGNMENT WEEK, Assignment for 10 Marks

Week 09:- Introduction to Compact topological spaces, Finite product of Compact spaces,

Week 10:- Alexander sub-base theorem, Tychonoff product Theorem.

Week 11:- Compactness in metric spaces, Locally compact spaces, Compactness in metric spaces, some advanced properties.

Week 12:- Equicontinuity, Ascoli's theorem, Pointwise and Compact Convergence, Compact Open Topology, Baire Spaces.

Week 13:- Stone Weierstrass Theorem,Stone Cech compactification.

Week 14:- Quotient Space, Orbit Space.

Week 15 :- REVISION, ASSESSMENT and EVALUATION WEEK

ABOUT INSTRUCTOR

Ph.D. in Pure Mathematics, University of Calcutta, 2005
Research Interest
Combinatorics, Algebra in the Stone-Cech compactication of discrete semigroup and its application to Ramsey Theoretic, Ergodic Theory.
Post Doctoral Experiences
1. May 2008 to September 2008 : Postdoctoral Research Fellow in the University of Witwatersrand, Johannesburg.
2. October 2009 to December 2009 : Visitor, Instituto de Matematicas Interdisciplinar (IMI) at Universidad Complutense de Madrid.
Teaching
Post Graduate : General Topology, Algebraic Topology, Measure and Integration, Ergodic Theory and Topological dynamical system

DR. PRASHANT KUMAR GAUTAM
Director & Associate Professor, UIHTM, Panjab University, Chandigarh

TYPE OF COURSE : PG
INTENDED AUDIENCE : PG

COURSE DURATION : 18 weeks (6th Aug to 10th Dec, 2018)
**EXAM DATE** : December 2018
NO OF CREDITS : 4

OBJECTIVE OF COURSE

- The course will help to develop an understanding of the basic concepts of Tourism Planning, both for public and private sector among the students.
- The learners will learn about the role of planning in tourism and understand about the role of the government in the tourism planning
- All the important attributes of tourism planning will nurture the students in having good knowledge about planning & sustainable development.

LEARNING OUTCOME

This course is an attempt to prevent disorderly tourism development, in order to successfully overcome the daily changes that occur in turbulent surrounding, planning of sustainable tourism development occurs as the only way to do it successfully. So, sustainable development refers to the use without exploitation of natural, cultural and all other tourist resources from the current generation, it means to preserve them for future use by future generations. Since the development of tourism in a certain area largely dependent on natural and anthropogenic attractiveness which are located in the surrounding, the practicing of sustainable development gets more and more important.
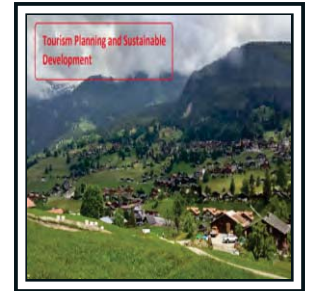
COURSE PLAN

Week 1 to 04

Levels, type and process of planning.

Conceptualization, Background Analysis, In-depth Research and Analysis Phase

Tourism project feasibility study

Synthesis phase and preparation of statements in Destination planning

Policy making bodies in India

Involvement of Local community in tourism Development

An outline of L K Jha Committee, 1963

National Tourism Policy, 1982

Destination Development and its components

National action Plan on Tourism, 1992

The latest policy document on tourism

Week 05 to 08

Tourism Planning at International, National and State Level

Tourism and Five year plans in India

Objective Setting, Goal setting, Strategy setting and Plan writing

Techniques of Plan Formulation

Planning for tourism Destinations

Tourism planning, significance, Constraints, Grey areas and Scope

Destination Life Cycle Concept

Sources of Funding, Incentives & Concessions extended for tourism Projects

Economics of Tourism

Positive and negative impacts of tourism (environmental, economic, socio-cultural).

Week 09 to 12

Concept of mass tourism

Emergence of alternative tourism, conventional versus alternative tourism

Mass vis-à-vis selective tourism.

Synergism between tourism promotion & nature conservation

Environment and tourism – areas of conflict, symbiosis and synergy

Tourism in various bio-geographic realms and specific situation of environmental concern.

United Nations Conference on Environment and Development (UNCED) Agenda 21

Sustainable Development: Historical Background

The Nature and Scope of Sustainable Tourism

Towards a New Approach to Sustainable Tourism Management

Global Warming and Sustainable Development

Week 13 to 16

Environmental Dimension

Economic Dimension

Social Dimension

Sustainable Tourism Development-Guiding Principles for Planning and Management

Empowering Community through tourism

Community based tourism

Ecotourism

Future of Sustainable Tourism

Week 17 to End

Recapitulation, Discussion on Important Topics Again and Overview of the syllabus, Examination

ABOUT INSTRUCTOR

Author is an expert in the field of Tourism Planning and Development. He is also holding the position of Treasurer, Indian Tourism and Hospitality Congress (ITHC) and is a member of AICTE All India Board of Hospitality and Tourism Management. Dr. Gautam is also a Member of Core Group for assisting Mentor Council, Ministry of Culture, Govt. of India and a member of Tourism Committee of Saraswati Vikas Board of Haryana Govt.

He has done 3 minor research projects and undertaking one major research project in tourism. He has 40 research paper and 12 books to his credit.

DRUG DELIVERY TECHNOLOGY

PROF FARHAN JALEES AHMAD
Dean, Interdisciplinary Sciences & Technology, Professor, Pharmaceutics,
Faculty of Pharmacy, Jamia Hamdard, New Delhi

TYPE OF COURSE	: Certificate	**COURSE DURATION** :	20 weeks (July to November)
INTENDED AUDIENCE :	UG students	**EXAM DATE** :	December 2018
		NO OF CREDITS :	3

PRE-REQUISITES : The candidates should have a basic understanding of dosage forms delivery systems.

OBJECTIVE OF COURSE

The technology by which a drug is delivered into the human body can have a important effect on its therapeutics effect. Most of the drugs have a concentration range within which maximum efficacy is. Controlling the pharmacokinetics, pharmacodynamics, non-specific toxicity, immunogenicity, biorecognition, and efficacy of drugs is desired. These strategies are known as drug delivery systems (DDS), and are based on multidisciplinary approaches that combine polymer science, pharmaceutics, chemistry, and molecular biology.

LEARNING OUTCOME

After successful completion of the course student will be able to:
• Understand the concepts and applications of Drug Delivery Systems.
• Apply knowledge in developing various formulations as per drug characteristics
• Develop various evaluation parameters for oral, parenteral, topical etc. drug delivery systems.

COURSE PLAN

week 1: Introduction to Controlled Release drug delivery system Factors affecting fabrication of CDDS

week 2: Types of controlled release systems

week 3: Continuous release systems

week 4: Types of Oral controlled release devices

week 5: Introduction to Mucoadhesive drug delivery

week 6: Factors affecting mucoadhesion and evaluation techniques

week 7: Introduction to Osmotic drug delivery

week 8: Introduction to parenteral drug delivery, Infusion devices

week 9: Implants and depots

week 10: Introduction to Transdermal drug delivery

week 11: Types, formulation and evaluation of transdermal delivery system

week 12: Techniques of enhancing skin permeation, Advances in Transdermal drug delivery systems

week 13: Introduction to ocular drug delivery, Intraocular drug delivery

week 14: Advances in ocular drug delivery systems

week 15: Introduction to nasal drug delivery

week 16: Nasal transport route and mechanism Nasal drug delivery systems

week 17: Nose to brain delivery of drugs

week 18: Introduction to pulmonary drug delivery, applications of pulmonary delivery system

week 19: Colloidal drug delivery Materials for colloidal drug delivery

week 20: Introduction to Controlled Release drug delivery system

ABOUT INSTRUCTOR

Prof. Farhan Jalees Ahmad is working as a Professor in Deptt of Pharmaceutics, School of Pharmaceutical Education & Research, Jamia Hamdard, New Delhi. He has 26 years experience in Research and Teaching with Ranbaxy Research Laboratories as Scientist and Jamia Hamdard. He is working in the area of Nanomedicine for the last 15 years. Four of his nanoproducts are approved by DCGI for Phase-III clinical studies. He has been granted projects to a tune of rupees 5.5 crores from DBT, CCRUM, AYUSH, UGC, DST and International agencies like FIP and OPCW etc.

He has earned awards including Young Scientist from DST, Scientist of the Year-2005 from NESA, UGC Research Award 2011, Bharat Jyoti Award 2011, Pharma Ratan 2017, ABAP Senior Scientist Award 2017. He has a US patent, Two PCT and 24 Indian patents to his name. He has published more than 300 research and review papers, 12 Book chapters,9 books, He has a total Citations of 7654, H-index of 41 and i-10 index of 164.