

INTEGRAL UNIVERSITY, LUCKNOW INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH

DEPARTMENT OF BASIC MEDICAL SCIENCES

MASTER IN HOSPITAL ADMINISTRATION (MHA)

SYLLABUS

YEAR/ SEMESTER: II/III

INTEGRAL UNIVERSITY, LUCKNOW INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH

DEPARTMENT OF BASIC MEDICAL SCIENCES

STUDY & EVALUATION SCHEME MASTER IN HOSPITAL ADMINISTRATION (MHA) (W.e.f. July 2023)

II-Year

III-Semester

L: Lecture

S.N.	Course	Course Title	Туре	Period Per hr/week/sem			Evaluation Scheme				Sub.	Credit	Total
0	code		of Paper	of Paper		CT TA Total ESE				Total	Greune	Credits	
			- -	THEOI	RIES		L						
1	HA501	Hospitals Operations Management	Core	2	1	0	40	20	60	40	100	2:1:0	3
2	HA502	Marketing & Strategic Management in Hospital	Core	2	1	0	40	20	60	40	100	2:1:0	3
3	HA503	Hospital Infection Control & Waste Management	Core	2	1	0	40	20	60	40	100	2:1:0	3
4	HA504	Healthcare Laws, Ethics and Counseling Skills	Core	2	1	0	40	20	60	40	100	2:1:0	3
5	HA505	Epidemiology, Biostatistics & Research Methods	Core	2	1	0	40	20	60	40	100	2:1:0	3
6	HA506	Seminar/JC/GD/Case Studies	Core	0	0	4	25	25	50		50	0:0:2	2
7	HA507	Hospital/Department Posting	Core	0	0	10	25	25	50		50	0:0:5	5
	Total					14	250	150	400	200	600	22	22

TA: Teacher Assessment

ESE: End Semester Examination

Sessional Total: Class Test + Teacher Assessment

Subject Total: Sessional Total + End Semester Examination (ESE)



Effective from Sessio	n: 2023-24										
Course Code	HA501	Title of the Course	Hospitals Operations Management	L	Т	Р	С				
Year	II	Semester	ester III 2 1 0								
Pre-Requisite	None	Co-requisite	None								
	To familiarize the student with hospital operational activities. The student shall understand the process of purchase and										
Course Objectives	inventory management in a health care establishment, apart from productivity aspects.										

	Course Outcomes
CO1	To explain the meaning and nature of Front Office-Admission. Students should also relate Front Office-Admission to the field of Management.
CO2	Students should be able to Understand about the Clinical Services used in the hospital and its management.
CO3	They should understand the concepts supporting services towards employee productivity.
CO4	To acquire knowledge about Facility Location and Layout of the hospital.
CO5	To understand the process of controlling and types of Purchasing Strategy Process. Also, they should know about the ways of effective
	Purchasing Strategy Process in management.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO						
1	FRONT OFFICE- ADMISSION	Billing – Medical Records – Ambulatory Care- Death in Hospital – Brought-in Dead. Maintenance and Repairs Bio Medical Equipment	07	CO1						
2	CLINICAL SERVICES	Clinical Departments – Out patient department (OPD) – Introduction – Location – Types of patients in OPD – Facilities – Flow pattern of patients – Training and Co-ordination. Radiology – Location – Layout – X-Ray rooms – Types of X-Ray machines – Staff - USG – CT – MRI – ECG.	07	CO2						
3	SUPPORTING SERVICES	House Keeping –Linen and Laundry, - Food Services -Central Sterile Supply Department (CSSD)	08	CO3						
4	LAYOUT work sampling, calibration of hospital equipment's. Productivity measures, value addition, capacity utilization, productivity – capital operations, HR, incentives calculation, applications in hospital									
5	PURCHASING STRATEGY PROCESS	Organizing the purchasing function – financial aspects of purchasing – tactical and operational applications in purchasing management Inventory Management: valuation and accounting for inventory – physical location and control of inventory – planning and replenishment concepts – protecting inventory; Value Management, Value engineering, value analysis.	06	CO5						
	nce Books:									
		or hospital support services and physical infrastructure, Jaypee Brothers Publications.								
		nospitals administration and planning, Jaypee Brothers publications. a: Hospital Administration, New Delhi, 2000.								
		evening OP services in Delhi Hospitals, Hospital Administration, 14 (13), 1977.								
5. Cha	kravarthy S: Planning of S	Surgical Suites, National workshop on hospital planning and Design, AIIMS, New Delhi, 1987.								
		al Laboratory Services Organization and Management, Journal of Academy of Hospital Admir	nistration, 2(@) 1990.						
		gement and Administration, Deep & Deep Publications Pvt. Ltd., New Delhi.								
		ing a Modern Hospital, Chapters 12, Response Books, New Delhi,2000. ions Management – Decision Making in Operations Function, McGrawHill, New Delhi.								
		Rakesh K, Modern Production/Operations Management, John Wiley & Sons, Singapore, 1987								
	e-Learning Source:									
1. <u>https</u>	1. <u>https://www.youtube.com/watch?v=-OhmAGm8XmE</u>									
	2. <u>https://www.youtube.com/watch?v=FpQEwbAV3Qw</u>									
3. <u>(184</u>)) Webinar on Strategic Pro	<u>curement Speaker: Manoj Kulkarni Yermalkar - YouTube</u>								

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)												
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4					
CO1	3	2	2	3	1	3	1	1	2					
CO2	2	2	2	1	2	1	1	2	1					
CO3	2	1	1	3	3	1	2	1	2					
CO4	1	2	1	3	2	2	2	1	1					
CO5	2	2	2	1	1	2	2	2	2					

Course Code	Course Title		Attributes							
HA501	Hospitals Operations Management	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.	
									4	



Effective from Session	n: 2023-24										
Course Code	HA502	Title of the Course	MARKETING & STRATEGIC MANAGEMENT IN HOSPITAL	L	Т	Р	С				
Year	II	Semester	III								
Pre-Requisite	Nil	Co-requisite	Nil								
Course Objectives	managers at the firr	The objective of the course is to equip the students from the various economic issues that they are expected to face as nanagers at the firm level. The course also aims to make the students aware of the working of the markets, the determination of prices and the techniques of decision making that they can adopt to ensure that sound decisions are made.									

	Course Outcomes							
CO1	Appreciate the concepts of marketing management							
CO2	Enlist functional areas of marketing management and its application.							
CO3	Appreciate the importance of marketing process for different types of products and services							
CO4	Apply tools and techniques to identify problems and recommend solutions pertaining to marketing management.							
CO5	Describe Business Development process and Strategic management							

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO				
1	Marketing Management	 Basic concept of Marketing Management – Consumer Behaviour, Marketing, Pricing of various services, Marketing strategy, evaluation and control, Promotion of Business in Hospital, Service Marketing – Patient care and communication. Hospital Image Building, Marketing promotional activities, Corporate marketing, Marketing for TPA and Cash Patients, Social aspect of marketing. 	8	CO1				
2	Pricing Management	Basic of Pricing, Types of Pricing, Pricing Technique, Promotion tools of Healthcare Marketing, Advertisement and Branding, Sales Promotion, Marketing Myopia	6	CO2				
3	Business Development	Concept and Scope of Business Development, components, The evolutionary pattern of business development, The pitfalls of business development, The diversity of current business development practices, Succeeding with business development, From business development to business development management (BDM).	6	CO3				
4	-	Integrating business development - Connecting strategy and implementation, The rules of engagement, Healthcare business strategy, Leadership skills & Business Development. Entrepreneurship skill.	6	CO4				
5	Strategic Management	Process, situation analysis, stakeholder analysis, strategy formulation & implementation, Forecasting methods, Monitoring techniques, evaluation procedures and tools	6	CO5				
Refe	rence Books:							
1. S	ervice Marketing Manage	ement - Kotler & Keller						
	dvertising Management -							
3. Jo	ournal of Hospital Adminis	stration (JAHA)						
4. J	4. Journal of Hospital Marketing & Public Relations							
e-L	earning Source:							
1. Jo	ournal of Hospital Admin	istration (JAHA)						
2. Je	ournal of Hospital Marke	ting & Public Relations						

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)													
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4						
C01	3	1	2	3	1	3	1	1	2						
CO2	2	2	2	1	2	1	1	2	1						
CO3	2	1	1	3	2	1	2	3	1						
CO4	2	2	1	3	1	2	2	1	1						
CO5	3	2	2	1	1	2	2	2	4						

Course Code	Course Title			Att	ributes				SDGs
HA502	Marketing & Strategic Management in Hospital	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.
HA502		\checkmark	\checkmark	\checkmark					8,9



Effective from Session	n: 2024-25										
Course Code	HA503	Title of the Course	HOSPITAL INFECTION CONTROL & WASTE MANAGEMENT	L	Т	Р	С				
Year	II	Semester	Semester III				3				
Pre-Requisite	Nil	Nil Co-requisite Nil									
Course Objectives	The objective	The objective of the course is to understand about the hospital related infection .									

	Course Outcomes: After the successful course completion, learners will develop following attributes:					
CO1	To understand Hospital Acquired Infection.					
CO2	To understand Infection Chain.					
CO3	Enlist the best practices in the field of hospital infection prevention and control					
CO4	Appreciate the significance of Biomedical Waste management and its safe disposal.					
CO5	Apply universal standards and precautions in hospital settings.					

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Hospital Acquired Infection	Introduction to Healthcare acquired Infections, Epidemiology of Healthcare Associated Infections. Infection Control Team in Healthcare setting, Universal safety measure to prevent HAI.	6	CO1
2	Infection Chain	Definition of Hospital Acquired Infection, Infectious Agents, Reservoir, Portal of Exits, Mode of Transmission, Portals of Entry, Susceptible Hosts ,Role of Hospital Ambience in transmission of infection,	9	CO2
3	Hospital Infection Control Committee	Hospital Infection Control Committee, Structure of Hospital infection Control Committee, Role and Responsibilities of HICC, Role of infection Control Nurse.	6	CO3
4	Biomedical Waste Management	Introduction, types & composition of biomedical wastes - (Liquid BMW, Radioactive waste, Metals, Chemicals, Drug waste), health hazards & risks, Systematic BMW disposal- Segregation, collection, transportation, disposal, Management & methods of disinfection, Modern technology for handling BMW, Monitoring & controlling of cross infection.	9	CO4
5	Hospital Infection Control Program	Hospital Infection Control Program- Preventive Measure, Surveillance Continuing Application, Bundle Approach(Bundle for precaution for catheter associated infections, Surgical site infections, Ventilator associated Pneumonia, Bloodstream Infections).	9	CO5
Refer	ence Books:			
1. Ess	entials of Hospital Infe	ection Control ,S Apruba Sastry, R Deepashree Jaypee Brothers Medical Publishers		
2. Ho	spital Infection Preven	tion Principles & Practices [06/08, 5:15 pm] gc: Chand Wattal, Nancy Khardori		
	an S, Syed AT, Ahmad ences, 4(1): 43-51.	R, Rather TA, Ajaz M, Jan FA (2010). Radioactive waste management in a hospital. International Journal	of Health	1

4. BMW management by J Kishore, Century Publications

5. Sonu Goel, Anil Kumar Gupta and Amarjeet Singh (2014). (Editors). Hospital Administration – A Problem-Solving Approach. New Delhi: Elsevier. e-Learning Source:

https://youtu.be/aZFT72kbFKo?si=2362vtwcwG5HxKti
 https://youtu.be/OAX5WJB3LDE?si=Ys8oKE86LSXXVsRT
 https://youtu.be/_PLRqUTgr1c?si=9U_59YkT6tewjPIG

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)											
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4				
CO1	2	1	2	1	1	2	2	1	1				
CO2	2	2	2	2	2	2	1	2	1				
CO3	2	1	1	2	1	2	1	1	1				
CO4	2	1	1	2	1	2	1	1	1				
CO5	2	2	2	2	2	2	1	2	1				

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

Course Code	COURSE TITLE			Att	ributes				SDGs
HA503	HOSPITAL INFECTION CONTROL & WASTE MANAGEMENT	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equality	Environment & Sustainabilit y	Huma n Value	Professional Ethics	No.
	MANAGEMENT	\checkmark	\checkmark	\checkmark					4, 17



Effective from Se	ession: 2023-24						
Course Code	HA504	Title of the Course	HEALTH CARE LAWS, ETHICS & COUNSELING SKILLS	L	Т	Р	С
Year	II	Semester	III	2	1	0	3
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives			h various aspects of Health Care Laws, Ethics & Couns elop decision-making skills in relation to Health Care Law				

	Course Outcomes						
CO1	To provide the basic understanding of Establishment Act.						
CO2	To making the students able to understand about the Hospital Services and Law.						
CO3	Making the students about the Hospitals and Labour Enactments.						
CO4	To provide the basic understanding of Legal frame work.						
CO5	To provide the optimal knowledge of Counseling skills.						

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO		
1	ESTABLISHMENT ACT	Uttar Pradesh Private Medical Care Establishment Act; Formation of a Health care Organization under Partnerships and Corporate basis (private and public); Public Private Partnerships in health care; National Medical Council; Physician Patient relationship; Duties towards patients by medical and Para-medical staff; Medical ethics & Oaths;Code of conduct.	6	CO1		
2	HOSPITAL SERVICES AND LAW	Contractual obligations in Hospital Services; Requisites of a valid contract; Contractual liability and damages; Criminal liability and defenses available to hospitals and medical staff; tortuous and vicarious liability; Legal remedies available to patients, Hospital as a bailee; CP Act, RTI.	6	CO2		
3	HOSPITALS AND LABOUR ENACTMENTS	Hospital as an Industry; Unrest in Hospitals; Dispute Settlement Mechanisms; Role of Trade Unions; Unfair Labour Practices and Victimization; Disciplinary Actions – Requisitions of a valid disciplinary enquiry; Service Conditions; Retiral benefits; Social Security and Insurance.	6	CO3		
4	LEGAL FRAME WORK:	Patient right's and responsibility; Medical malpractice; Medico legal aspects of: impotence, sterility, sterilization and artificial insemination; Medico legal aspects of psychiatric & mental health; Toxicology - laws related to toxicology; Giving evidence in police investigation; Organ transplantation; Euthanasia (mercy killing); Diagnosis, prescriptions and administration of drugs; Anesthesia and Surgery.	6	CO4		
5	COUNSELING SKILLS	Introduction, growth of Counseling Services; Approaches to counseling; Process of Counseling; Attitudes of Counselors; Skill of Counseling; Problems in Counseling; Assessing and diagnosing clients' problems; Selecting counselling strategies & interventions; Changing behavior through counseling; Application of Counseling to Hospital Situations with a Focus on Performance Improvement.	6	CO5		
	nce Books:					
		nent and Administration, Deep & Deep Publications Pvt. Ltd.New Delhi, 2010 y Issues in Healthcare Law and Ethics. Chicago: HealthAdministration Press				
		ts of mercantile law: Including company law and industriallaw. New Delhi: Sultan Chand & S	lons.			
	 Kapoor, N. D. (1985). Elements of mercannie faw: including company faw and industrianaw. New Denn: Suitan Chand & Sons. Kavita Singh, Counseling skills for Managers' PHI Publishing House. 					
5. S.L	. Goel, Healthcare Manager	nent and Administration, Deep & Deep Publications Pvt. Ltd.New Delhi, 2010				
-	arning Source:					
-	://onlinecourses.nptel.ac.in/n					
2. <u>https</u>	://in.coursera.org/specializat	tions/human-resource-management				

Course Articulation Matrix: (Mapping of COs with POs and PSOs) PO-PSO PO1 PO2 PO3 PO4 PO5 PSO1 PSO2 PSO3 PSO4 СО CO1 **CO2** 2 2 2 CO3 2 CO4 CO5

Course Code	Course Title			Att	ributes				SDGs
HA504	HEALTH CARE LAWS, ETHICS &	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.
	COUNSELING SKILLS	\checkmark	\checkmark	\checkmark			\checkmark	\checkmark	4,8



Effective from Session	n: 2023-24						
Course Code	HA505	Title of the Course	EPIDEMIOLOGY, BIOSTATISTICS & RESEARCH METHODS	L	Т	Р	С
Year	II	Semester	III	2	1	0	3
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Define epidemiolog epidemiological me epidemiology in an methods for collect	thods, Design appropriate alyzing hospital data, Ap	to rtance in hospital settings, Measure disease burden in the epidemiological study in a given scenario, Apply basic p preciate key bio statistical concepts and reasoning, App s, interpretation and reporting of hospital data, Use stat	orincipl oly app	les and propriate	method e statis	ls of tical

	Course Outcomes					
CO1	O1 To understand the general epidemiological review and also learn about the disease epidemiology					
CO2	2 To understand the Epidemiologic Methods & Approaches and its use in management.					
CO3	To understand the Basic of Research and its implementation in hospital management.					
CO4	O4 To understand the Basic of Biostatics and its implementation in hospital management.					
CO5	To understand the Application Of Research Methods In Hospital Settings					

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	GENERAL EPIDEMIOLOGY	 Definition, objective & scope of epidemiology, History and Evolution of epidemiology, achievements in epidemiology, Epidemiological Triangle, Distribution and determinants of disease; Disease transmission dynamics, Measurements in Epidemiology (morbidity, mortality, disability) - Incidence and prevalence, Usage of rates, ratios and proportions, quality of life; Concept of risk - absolute risk, relative risk, odds ratio, attributable risk, population attributable risk Association and causal relationship, Bias, Confounder & Interaction; Validity & reliability 	6	CO1
2	EPIDEMIOLOGIC METHODS & APPROACHES	 Epidemiology and Clinical Practice, Epidemiological approach (asking questions and making comparisons) Quantitative (Observational, analytical & experimental studies) & Qualitative methods; Screening, Surveillance & Evaluation of health services and Public Policy; Sources & use of hospital statistics Use of epidemiological approaches & methods in evaluating functioning & services of hospital. Ethical and Professional Issues in Epidemiology 	6	CO2
3	BASIC OF RESEARCH	 Meaning of Statistical methodology, Branches of Statistics-Bio-Statistics, Vital Statistics, Health Statistics, Application of Statistical Methodologies in Healthcare Management Basic Concepts in Biostatistics: Data - its presentation & measurement Data: Definition and Types of data, Different scales of data measurement, Different methods of data collection, Merits and demerits of data collection methods under different situations, Classification of morbidity, mortality and socio-economic data Presentation of Data: Tabulation of data, Graphical presentation of data (Need and uses, Types of diagrams, bars, pie chart, line diagram, histogram, frequency polygon, frequency curve, Ogives) Measuring variation/dispersion of data: Mean, Median and Mode for raw data, Merits and Demerits, Calculation of Measures of Central tendency-ungrouped and grouped data (Calculation and interpretation of Range, Percentiles, Quartiles, Standard deviation and Coefficient of variation- both ungrouped and grouped data) Probability: Concept of probability, Probability distributions and their applications in public health management, Normal distribution, Binomial distribution, Poisson distribution, Standard error of mean, difference of means, proportion and difference to two proportions 	6	CO3
4	BASIC BIOSTATISTIC	 Sample and sampling techniques: Types of surveys, their role in public health. management, Planning of surveys, Concept of sampling, Use of random number tables for selection of samples, Different Sampling designs, Calculation of sample size for field surveys Testing of hypothesis: Concept of Sampling variation, Tests of significance Z-test, t-tests, Chi square test and Important Non-parametric tests, Pearsonian Correlation and Regression as prediction techniques, Introduction to Multivariate Correlation and Regression, Logistic Regression, Odds ratio and their applications in Public Health, Life table technique and Survival analysis, Introduction to Planning of Research studies Introduction to Statistical Software Data entry into software (Excel, Epi-Data, SPSS, Epi-Info) Data Analysis using software SPSS, R 	6	CO4

	APPLICATION OF RESEARCH METHODS IN HOSPITAL SETTINGS	 Various Research methods, Research communication, Ethical & professional issues in Research Marketing research in health care settings Operations Research in relation to hospital management: OR techniques and its applications in hospital, Linear Programming, Decision tree Analysis, Queuing theory, PERT, CPM, Assignment Model, Management by objective & by result Clinical Trials – stages of clinical trial, role of hospital in clinical trial & ethical issues 	6	C05	
Refere	nce Books:				
1. Le	on Gordis (5th Edition, 201	14), Epidemiology, Saunders (Elsevier Inc) Publication			
	ahajan B.K: Methods of bio alth Science, Publisher, Ne	ostatistics for Medical Students and Research Workers, 8th Edition, Revised and edited by Arun Bhao w Delhi	dra Khanal	, The	
3. Par	rk"s Textbook of Preventiv	ve and Social Medicine, 23rd Edition, (2017). K.Park.			
4. Hi	ll A.B : Principles of medica	al statistics, Oxford University press, New York			
5. Te	xtbook of Modern Epidemic	ology by Rothman			
e-Lea	arning Source:				
1. India	n Journal of Public Health				
2. Indian Journal of Community Medicine					
3. International Journal of Epidemiology					

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)									
PO-PSO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	
CO	101	PO2	105		105	1501	1502	1505	1504	
CO1	2	1	2	1	1	2	2	1	1	
CO2	2	2	2	2	2	2	1	2	1	
CO3	2	1	1	2	1	2	1	1	1	
CO4	2	1	1	2	1	2	1	1	1	
CO5	2	2	2	2	2	2	1	2	1	

Course Coo	le Course Title		Attributes						SDGs
HA505	EPIDEMIOLOGY, BIOSTATISTICS & RESEARCH METHODS	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.
	RESEARCH METHODS	\checkmark	\checkmark	\checkmark					4



Effective from Session: 2015-16										
Course Code	HA506	Title of the Course	urse Seminar /JC/GD/Case Studies L T							
Year	II	Semester	III 0 4							
Pre-Requisite	Nil	Co-requisite	Nil							
Course Objectives	issues in the effication		ents to integrate various components of patient management echniques used in musculoskeletal, neurological, cardi- on skills.							

	Course Outcomes
CO1	The students will understand and interpret latest advancements through different technical papers, reports, Journals, Data sheets, books etc
CO2	The students will inculcate the skills for literature survey and will learn to manage resources effectively.
CO3	The students will be able to summarize the recent research and technologies in the form of review and will be able to deliver power point presentations on an assigned topic.
CO4	The students will be able to communicate his/her ideas with his peers as audience, which will enhance both oral and written communication skills.
CO5	The students will be able to create interest to pursue lifelong learning.

SEMINAR PRESENTATION ASSESSMENTN FORM

Name of Student:	Session:	
Enrollment Number:	Date:	
Name of Subject:	Subject code:	
Topics:		

Criteria	Sub-Criteria	Max. Marks	Marks Obtained
Introduction	Use appropriate background information	01	
(Max marks-03)	Has clear statement of purpose	01	
(Max marks-05)	Shows a logical sequence	01	
	Includes accurate information	03	
Factual Content	Shows up-to-date content	02	
	Presents relevant content	02	
	Shows in-depth and sufficient details	02	
(Max marks- 15)	Addresses all important issues	02	
	Is selective	02	
	Use of proper English Grammar in the text	02	
Presentation Quality	Has a good design of presentation (appropriate font, type, size, color, matter per slide etc.)	01	
(Max marks-02)	Has a clear verbal expression and eye contact with audience	01	
D	Answers question(s) correctly	01	
Response to questions	Has the ability to think on the spot	01	
(Max marks-03)	Shows an ability to defend content of presentation	01	
Time Management (Max. mark-02)	Completes the presentation within allocated time	02	
	Total Marks	25	

Note: In case of Oral Presentation, each student will be assessed in a 20 minutes time (15 min for presentation & 5 min for discussion) out of 50 marks.

Comments/Suggestions:

(Name and signature of Incharge)

(Incharge, Hospital Management)

EVALUATION OF SEMINAR ON CLINICAL ISSUES PRESENTATION

MHA Students has to prepare minimum 2 long case and 2 short cases during their seminar presentation during due course of time. The evaluation for internal seminar examination of 50 marks will be distributed: Cases during clinical posting=**25 marks**.

Viva voce =**20 marks**

Attendance=5 marks

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
СО	FUI	FO2	F05	FU4	FUS	FU0	FO/	FUo	F09	FOID	FOIT	F012	1301	F302	1303	F304	1303
CO1	2	3	3	2	3	2	3	1	2	1	-	-	3	2	3	3	2
CO2	3	3	3	3	2	2	3	2	1	3	-	-	2	2	3	2	3
CO3	3	3	3	3	2	2	3	2	1	3	-	-	3	2	2	2	3
CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3
CO5	3	3	3	3	2	2	3	2	1	3	-	-	3	2	3	3	2

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title		Attributes					SDGs No.	
HA506	Seminar /JC/GD/Case Studies	Emplo yabilit y	Entrepr eneursh ip	Skill Developme nt	Gender Equality	Environment & Sustainability	Human Value	Professiona 1 Ethics	
		\checkmark	\checkmark	\checkmark			\checkmark	\checkmark	3,4,9, 17



Effective from Sessio	Effective from Session: 2023-24									
Course Code	HA507	Title of the Course	Hospital/Departmental Posting	L	Т	Р	С			
Year	Ι	Semester	III	0	0	12	3			
Pre-Requisite	Nil	Co-requisite	Nil							
Course Objectives										

	Course Outcomes								
CO1	To provide the basic understanding of Introduction: Patient Rights.								
CO2	To making the students able to understand about the Policies and Procedures of the Hospitals								
CO3	Making the students about the Hospital Construction								
CO4	The objective of this unit is to make the students able to understand about the Concepts and Issues Related to Healthcare Technology								
CO5	To provide the optimal knowledge of Planning Process For Introduction of Technology in Healthcare								

HOSPITAL POTING ASSESSMENTN FORM

Name of Student:	Session:	
Enrolment Number:	Date:	
Name of Subject:	Subject code:	
Topics:		

S. No.	Point to be Considered	Max. Marks	Marks Obtained
1.	Punctuality	3	
2.	Interaction with colleagues and supporting staff	3	
3.	Maintenance of case records	3	
4.	Presentation of case records during rounds	3	
5.	Investigation work up in Hospital	3	
6.	Manners to staffs during collection of Data	3	
7.	Rapport with patients	3	
8.	Discipline	2	
9.	Overall quality of clinical work	2	
	TOTAL SCORE	25	

(Name and signature of Incharge)

GUIDELINES FOR HOSPITAL TRAINING PROGRAM

(Incharge, Hospital Management)

The students of Post Graduate MHA program must spend above mentioned allotted time period in the hospital based clinical training for specified clinical experiences to meet the objectives of the training program. This period of practical and theoretical experience will enable the students to acquire competency and experience to perform as an independent practice and will enable to adjust to the real practical life in different units in the hospital settings.

By the successful completion of this clinical training period, the student is expected to fulfil the objectives of the program and will be examination as given below:

S.No.	Program Name	Year/Semester	Practical on Case	Voice/Viva	Attendance
1.	MHA	Ist Year/ Ist Semester	10 Marks		
2.		Ist Year/ Ind Semester		10 Maula	5 Maular
3.		IInd Year/ 3rd Semester	- (1 Long Case and 2	10 Marks	5 Marks
4.		IInd Year/ 4th Semester	Short Case)		
Docommo	ndation				

Recommendation:

Since the entry qualification for this master's degree program is graduation in any discipline exposure to and understanding of the internal working of a hospital is essential for every student to appreciate and assimilate the learning in the Masters programme. The subject is designed to facilitate this learning-objective and is based on the principle of "learning by observation". This subject will also help to learn "working in teams".

EVALUATION OF CLINICAL TRAINING

MHA- Students has to prepare 1 long case and 2 short cases during their clinical posting. The evaluation for internal clinical examination of 50 marks will be distributed:

Cases during clinical posting=25 marks.

Viva voce =20 marks

Attendance=5 marks

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
СО	FUI	FO2	F05	F04	FUS	FU0	FO/	FUo	F09	FOID	FOIL	FO12	1301	F302	1303	r304	1303
CO1	2	3	3	2	3	2	3	1	2	1	-	-	3	2	3	3	2
CO2	3	3	3	3	2	2	3	2	1	3	-	-	2	2	3	2	3
CO3	3	3	3	3	2	2	3	2	1	3	-	-	3	2	2	2	3
CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3

CO5	3	3	3	3	2	2	3	2	1	3	-	-	3	2	3	3	2
			1		orrelat	ion; 2-]	Modera	te Cor	relation	1; 3- Sub	stantial		tion				

Attributes & SDGs

Course Code	Course Title		Attributes							
HA507	Hospital/Departmental Posting	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics		
	_	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	3,4	

INTEGRAL UNIVERSITY, LUCKNOW INTEGRAL INSTITUTE OF ALLIED HEALTH SCIENCES & RESEARCH DEPARTMENT OF BASIC MEDICAL SCIENCES STUDY & EVALUATION SCHEME MASTER IN HOSPITAL ADMINISTRATION (MHA) (W.e.f. July 2023)

II-Year

IV-Semester

S.N.	Course		Туре		riod Per veek/se			Evalua	ition Scher	ne	Sub.	Credit	Total
5.14.	code	course rule	of Paper	f Paper		Р	СТ	TA	Total	ESE	Total	cicuit	Credits
				THEOR	RIES								
1	HA508	Managerial Skill Development for Healthcare Professional	Core	2	1	0	40	20	60	40	100	2:1:0	3
2	HA509	Healthcare Insurance	Core	2	1	0	40	20	60	40	100	2:1:0	3
3	HA510	Medico legal Issues in Hospital	Core	2	1	0	40	20	60	40	100	2:1:0	3
4	HA511	Enterprise Resource Planning for Hospitals	Core	2	1	0	40	20	60	40	100	2:1:0	3
5	HA512	Hospital Hazards and Waste Management	Core	2	1	0	40	20	60	40	100	2:1:0	3
6	HA513	Community Healthcare Management	Core	2	1	0	40	20	60	40	100	2:1:0	3
7	HA514	Study Tour Report	Core	0	3	0	25	25	50		50	0:0:3	3
8	HA515	Dissertation	Core	0	0	12	25	25	50		50	0:0:6	6
		Total		12	9	12	290	170	470	240	700	27	27

L: Lecture

P: Practical

TA: Teacher Assessment

Sessional Total: Class Test + Teacher Assessment

T: Tutorials

C: Credit

CT: Class Test

ESE: End Semester Examination

Subject Total: Sessional Total + End Semester Examination (ESE)



Effective from Session	Effective from Session: 2023-24									
Course Code	HA508	Title of the Course	Managerial Skill Development for Healthcare	L	Т	Р	С			
			Professional							
Year	II	Semester	IV	2	1	0	3			
Pre-Requisite	None	Co-requisite	None							
	To familiarize the	familiarize the student with hospital Managerial Skill. The student shall understand the process of Development for								
Course Objectives	Healthcare Profess	sional in a health care es	stablishment, apart from productivity aspects.							

	Course Outcomes
CO1	To provide basic understanding of the evaluation and management concepts.
CO2	To provide basic understanding of principle and functions of management.
CO3	To understand the importance of planning in management.
CO4	Explain the principle and procedure of official communication.
CO5	Explain the process of effective organizational communication.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO					
1	Development of Management Concepts	\Evaluation of management theory, Management as a profession, Traditiional vs Modern Management, Theories of Management	07	CO1					
2	Management function and tools	Management Levels and skills, Function and Principles of management, Challenges to Mangers in healthcare setup	07	CO2					
3	Fundamental of Planning	Planning, Steps in planning, Nature and Process of managerial decision making, Planning Premises	08	CO3					
4	Office Procedure	Definition of office, Drafting official letters office procedure, Covering letters, Resume Writing, Report Writing, Group Discussion		CO4					
5	Communication	Basic concept, Types of Communication, Principle of good communication, Patient care and communication, Art of Public Speaking	06	CO5					
Refere	nce Books:								
1. Se	ervice Marketing Manage	ement							
2. Ac	dvertising Management								
3. Fr	rancis CM, Mario C de Sou	uza: Hospital Administration, New Delhi, 2000.							
-	1	s evening OP services in Delhi Hospitals, Hospital Administration, 14 (13), 1977.							
	5. Chakravarthy S: Planning of Surgical Suites, National workshop on hospital planning and Design, AIIMS, New Delhi, 1987.								
7. S.	7. S.L. GOEL, Healthcare Management and Administration, Deep & Deep Publications Pvt. Ltd., New Delhi.								
e-Lea	arning Source:								

1. https://www.youtube.com/watch?v=-OhmAGm8XmE

2. <u>https://www.youtube.com/watch?v=FpQEwbAV3Qw</u> 3. (184) Webinar on Strategic Procurement || Speaker: Manoj Kulkarni Yermalkar - YouTube

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)									
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	
CO1	3	2	2	3	1	3	2	2	2	
CO2	2	2	2	1	2	1	2	2	1	
CO3	2	1	1	3	3	1	1	1	2	
CO4	1	2	1	3	2	2	2	2	1	
CO5	2	2	2	1	1	2	2	2	2	

_				Attibu							
	Course Code	Course Title		Attributes							
	HA508	Managerial Skill Development for Healthcare Professional	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.	
		nearincare Professional								4	



Effective from Session:	Effective from Session: 2023-24									
Course Code	HA509	Title of the Course	Healthcare Insurance	L	Т	Р	С			
Year	II	Semester	IV	2	1	0	3			
Pre-Requisite	None	Co-requisite	o-requisite None							
Course Objectives		To familiarize the student with hospital operational activities in terms of Health insurance. The student shall understand the process of Health insurance application in Hospital sectors.								

	Course Outcomes
CO1	To explain the meaning and nature of Front Office-Admission. Students should also relate Health Insurance policy in India.
CO2	Students should be able to Understand about the Health Care policies management.
CO3	They should understand the concepts supporting Administration of health Insurance.
CO4	To acquire knowledge about Health Insurance Taxation of the hospital.
CO5	To understand the process of Health Insurance Providers.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO						
1	Introduction	Introduction – Economics of Life and Health Insurance – Importance, sociopolitical realitiesInsurance terminology	07	CO1						
2	Health Policy	Health Policy visà-vis Health Insurance Policies Indian scenario – different products – demand and scope - limitations	07	CO2						
3	Administration of health Insurance	08	CO3							
4	Health Insurance Taxation	Taxation vigilance and real-time information about the services								
5	Health Insurance Providers	Iealth Insurance Health Insurance Providers – Government and Private - Micro insurance, The role and								
Refere	nce Books:									
1. Gupt	a, P.K., Insurance and Ris	k Management, Himalaya Publishing House, 2004.								
2. Sakh	arkar BM, Principles of ho	ospitals administration and planning, Jaypee Brothers publications.								
3. France	cis CM, Mario C de Souza	: Hospital Administration, New Delhi, 2000.								
4. Reac	tion of patients towards ev	ening OP services in Delhi Hospitals, Hospital Administration, 14 (13), 1977.								
5. Chak	cravarthy S: Planning of Su	rgical Suites, National workshop on hospital planning and Design, AIIMS, New Delhi, 1987.								
e-Lea	e-Learning Source:									
1. https	://www.youtube.com/watc	h?v=-OhmAGm8XmE								

2. <u>https://www.youtube.com/watch?v=FpQEwbAV3Qw</u>

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)												
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4				
CO1	1	2	2	1	1	3	1	2	2				
CO2	1	2	2	1	2	1	1	2	1				
CO3	2	1	1	2	3	1	2	1	2				
CO4	2	2	1	2	2	2	2	1	1				
CO5	2	2	2	2	1	2	2	2	2				
		1 Low Co	real ation 2	Modorata Corrol	ation 2 Sub	stantial Connolat	tion						

			A	Attributes & S.	DGs						
Course Code	Course Title		Attributes S								
HA509	Healthcare Insurance	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.		
		\checkmark							4		



Course Code	HA510	Title of the Course	Medico legal Issues in Hospital L T P								
Year	II	Semester	IV 2 1 0 3								
Pre-Requisite	None	Co-requisite	None								
Course Objectives	To familiarize the student with hospital operational activities. The student shall understand the process of purchase and										
	inventory managen	inventory management in a health care establishment, apart from productivity aspects.									

	Course Outcomes
CO1	Enlist the Indian laws applicable to hospital establishment and its functioning
CO2	Enlist the ethical issues in Hospital
CO3	Appreciate the medico-legal implications associated with day-to-day hospital operations
CO4	Apply tools and techniques to fulfill the obligations of a hospital to respect the Patients" right
CO5	Enlist the Indian laws applicable to hospital establishment and its functioning.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO					
1		Medico - Legal Problems in relation to health administration (medical & labor laws), Medical-legal functions of hospital - Medico-legal report, Postmortem report, Medical certificate.	07	CO1					
2	Laws applicable to hospital	Medical Laws: Clinical Establishment Act, Biomedical Waste (Management & Handling) Rules, 1998, PNDT Act, 1994, Transplantation of Human Organs Act, 1994, Right to Information Act, 2005, Consumer Protection Act, 1986, Clinical Trial & Patient safety, International Health Legislations, Infectious Disease Notification, The Epidemic Diseases Act, 1925, MTP Act, Act, Laws pertaining to establishment & licensing of diagnostic & laboratory services, Birth & Death registration, reporting of health events, etc.; Regulation of Pharmaceutical Industry – Drugs and Cosmetics Act, 1940 etc.	07	CO2					
3	Patients' Right in a	Right to health – International perspective, Role of WHO, Health as a human Right, health insurance, Constitutional perspective – National Perspective, Regulation of public Health & Private Health, Enforcement Mechanism, Provision of service during Emergency, citizen charter	08	CO3					
4	Hospital	Medical Negligence: Liability of Doctors and Hospital for Medical negligence – Liability of doctors: Under Law of Torts and Consumer Protection Act, Liability for the use of Medical device, Criminal liability of Doctors, Management of Hospital and Legal Regulations.	07	CO4					
5	Ethical Issues in Hospital	Ethical Issues in Hospital: principles (confidentiality, autonomy, non-malfeasance, beneficence, justice, fairness, truthfulness), application of ethics in healthcare, identifying and clarifying ethical dilemma, Analyzing alternative courses of action and its consequences, Resolving the dilemma by choosing best course of action, Ethics in clinical trials.	06	CO5					
Referen	Reference Books:								
1. Law	and Medical Profession	by Eastern Law Book Co.							

2. Robert D. Miller and Rebecca C. Hutton, problems in Health care law, [2000], ApenPublication, Maryland.

3. National Health Programs of India: National policies and legislation related to health, by Jugal Kishore. Century Publications, 11th Edition (2014)

4. Sonu Goel, Anil Kumar Gupta and Amarjeet Singh (2014). (Editors). Hospital Administration – A Problem-Solving Approach. New Delhi: Elsevier.

e-Learning Source:

1. <u>https://www.youtube.com/watch?v=-OhmAGm8XmE</u> 2. <u>https://www.youtube.com/watch?v=FpQEwbAV3Qw</u>

3. (184) Webinar on Strategic Procurement || Speaker: Manoj Kulkarni Yermalkar - YouTube

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)												
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4				
C01	3	2	2	3	1	3	1	1	2				
CO2	2	2	2	1	2	1	1	2	1				
CO3	2	1	1	3	3	1	2	1	2				
CO4	1	2	1	3	2	2	2	1	1				
CO5	2	2	2	1	1	2	2	2	2				

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Attributes & SDGs

			1	Itti ibutes & D.	D 05					
Course Code	Course Title		Attributes							
HA510	Medico legal Issues in Hospital	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.	
	_							\checkmark	4	



Effective from Session: 2023-24											
Course Code	HA511	Title of the Course	Enterprise Resource Planning for Hospitals	L	Т	Р	С				
Year	II	Semester	IV	2	1	0	3				
Pre-Requisite	None	None Co-requisite None									
	To familiarize the	student with hospital	tal Enterprise Resource Planning (ERP) activities. The student shall understand the								
Course Objectives	process of Enterprise Resource Planning (ERP) & Functional Hospital Organization.										

	Course Outcomes
CO1	To explain the meaning and nature of Introduction to Enterprise Resource Planning (ERP)
CO2	Students should be able to Understand about the ERP Implementation Lifecycle
CO3	They should understand the concepts Functional plans for hospital construction
CO4	To acquire knowledge about Functional Hospital Organization
CO5	To understand the process of controlling and types of Supportive Services

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO				
1	Introduction to Enterprise Resource Planning (ERP)	Information System and Its Components, Value Chain Framework, Organizational Functional Units, Evolution of ERP Systems, Role of ERP in Organization, Three- Tier Architecture of ERP system	07	CO1				
2	ERP Implementation Lifecycle	Project Preparation, Initial Costing, Requirement Engineering, ERP Solution Selection, Technical Planning, Change Management and Training Plan, Implementation and Deployment Planning, Configuration, Custom Coding, Final Preparation, Go-live	07	CO2				
3	Functional plans for hospital construction	Role of hospital consultant, planning stage: role of architect, working drawings, legal formalities, the hospital site, design considerations, environments regulations, equipment planning, bed distribution, space requirements, their relationships, construction costs.	08	CO3				
4	Functional Hospital Organization	Hospital code of ethics, medical ethics, standards for hospitals, standards for hospital accreditation, accreditation standards for extended care facilities. Medical Specialties Overview of the functions and sphere of each specialty: oncology, general medicine, cardio thoracic gastroenterology, urology, radiology, psychiatry, endocrinology, neurology, ophthalmology, medical services, surgical services, operation theatre, maternity services, dental services.	07	CO4				
5	Supportive Services	Clinical Laboratories, radiological services, medical records, front office, billing, staffing, house keeping, transportation, dietary services, emergency services, infection control, and mortuary services	06	CO5				
Referen	nce Books:							
	pital Planning, WHO, Geneva, 19							
	2. Kunders G.D., Gopinath S., and Katakam A. Hospital Planning, Design and Management, Tata McGraw Hill, New Delhi, 1999							
		Hospital Administration and Development, Anmol publications, New Delhi, 2000.						

4. Srinivasan, A.V. (ed), Managing a Modern Hospital, Chapter 2, Response Books, New Delhi, 2000.

5. Padmanand V. and P.C. Jain, Doing Business in India, Response Books, New Delhi, 2000.

e-Learning Source:

1. https://www.youtube.com/watch?v=-OhmAGm8XmE

2. <u>https://www.youtube.com/watch?v=FpQEwbAV3Qw</u>

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)											
PO-PSO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4			
CO		-										
CO1	3	2	2	3	2	2	3	2	2			
CO2	2	2	2	2	2	2	2	2	2			
CO3	2	1	1	2	1	1	2	1	1			
CO4	1	2	1	1	2	1	1	2	1			
CO5	2	2	2	2	2	2	2	2	2			

			F	Attributes & S	DGS						
Course Code	Course Title		Attributes								
HA511	Enterprise Resource Planning for Hospitals	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.		
									4		



Effective from Sessio	n: 2023-24									
Course Code	HA512	Title of the Course	Hospital Hazards and Waste Management	L	Т	Р	С			
Year	II	Semester	IV	2	1	0	3			
Pre-Requisite	None	Co-requisite	site None							
Course Objectives	At the end of this co	urse, students will be a	ble to understand about the Hospital Hazards and Waste M	lanage	ment.					

	Course Outcomes
CO1	Enumerate possible hazards and its sources in a hospital.
CO2	Apply tools and techniques to address occupational and injection safety issues ina hospital setup
CO3	Appreciate the significance of Biomedical Waste management and its safedisposal.
CO4	Enlist the best practices in the field of hospital infection prevention and control.
CO5	Apply universal standards and precautions in hospital settings.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Hospital Associated Infection Manageme nt	Overview, hand-hygiene, use of personal protection equipment, vaccination of health staffs, transmission-based precautions Organizational structure of infection control – Hospital infection control committee, infection control team, infection control manual, role of physicians, role of microbiologists, role of nursing staffs	07	CO1
2	Injection Safety	Definition & scope, current scenario – global & Indian, best practices, injection wastedisposal, Newer technologies – auto-disable & re-use prevention syringes, pre-filled injectiondevices, safety syringes, vacuum based technology for drawing blood, safety needles& cannulas Surveillance to strengthen safe injection practices, relevance of hospital infectioncontrol committee in providing safe injections	07	CO2
3	Occupatio nal Safety	Health & safety issues in healthcare settings, economic benefit & value of occupational health & safety, comprehensive approach for patient & worker safety, risk assessment, exposure of various categories of hospital staffs to hazards, prevention of hazards specific to health sector – Biological, Blood borne pathogens, other infections. Safety practices in hospital – Universal precautions, hygienic hand disinfection, immunization, personal protective gears, sharps management, post-exposure management, safe handling of BMW, response to injury & exposure, needle stickinjury, cytotoxic chemical exposure.	08	CO3
4	Biomedical Waste Manageme nt	Introduction, types & composition of biomedical wastes - (Liquid BMW, Radioactive waste, Metals, Chemicals, Drug waste), health hazards & risks, Systematic BMW disposal- Segregation, collection, transportation, disposal, Management & methods of disinfection, Modern technology for handling BMW, Monitoring & controlling of cross infection (Protective devices), BMW from Administrative point of view (Budget, Health check-up, Insurance)	07	CO4
5	Radioactive Waste	Management of radioactive wastes in hospitals - Dilute and Disperse, Delay and Decay, Concentrate & Contain (Rarely used), special considerations – sealed sources, gaseous waste, cadavers with radioactive material, regulatory bodies (ICRP, AERB) & record keeping, Radiation safety officer. Basic concepts, measuring activity of radioactive material, relative biological effectiveness, half-life of a radio-isotope, Tenth value thickness, radiation measuring & monitoring devices – well counter, dose calibrator, Film badge, TLD badge, pocket Dosimeter, etc. Classification of radioactive waste – according to level of activity, according to the form, according to the half-life.	06	CO5
	nce Books:			
		te Act & Rules Govt. of India		
		BMW Waste Handling-ISHA, Bangalore , Ahmad R, Rather TA, Ajaz M, Jan FA (2010). Radioactive waste management in a hospital. Internati	onal Iourna	l of Health
	tiences, 4(1): 43		onai Jouilla	
4. BM	W managemer	nt by J Kishore, Century Publications		
		Kumar Gupta and Amarjeet Singh (2014). (Editors). Hospital Administration – A Problem-Solving A	Approach. N	lew Delhi:
	sevier			
	arning Source:	e.com/watch?v=-OhmAGm8XmE		
		e.com/watch?v=FpQEwbAV3Qw		

2. <u>https://www.youtube.com/watch?v=FpQEwbAV3Qw</u>
3. (184) Webinar on Strategic Procurement || Speaker: Manoj Kulkarni Yermalkar - YouTube

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)													
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4					
CO1	3	2	2	3	1	3	1	1	2					
CO2	2	2	2	1	2	1	1	2	1					
CO3	2	1	1	3	3	1	2	1	2					
CO4	1	2	1	3	2	2	2	1	1					
CO5	2	2	2	1	1	2	2	2	2					

				F	Attributes & S.	DGS						
Course C	ode	Course Title		Attributes								
HA512	2	Hospital Hazards and Waste Management	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.		

\checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark 4	_									
			\checkmark			-	1		\checkmark	4



Effective from Sessio	Effective from Session: 2023-24												
Course Code	HA513	Title of the Course	Community Healthcare Management	L	Т	Р	С						
Year	II	Semester	IV	2	1	0	3						
Pre-Requisite	None	Co-requisite	None										
Course Objectives	To familiarize the	To familiarize the student with hospital operational activities. The student shall understand the process of purchase and inventory management in a health care establishment, apart from productivity aspects.											
Course Objectives	inventory managem												

	Course Outcomes
CO1	Will be able to gain understandings on the concepts and dimensions of healthcare services.
CO2	Will be able to get familiarity on current issues in community health.
CO3	Will be able to get in-depth knowledge on the various health promotion activities.
CO4	Get introduced to the concept of planning and promotion of health education.
CO5	Get familiarized with Chronic disease management & Consumer health.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	UNIT-1	Definition, concepts, determinants & dimensions of health; Health sickness spectrum; Levels of health care; Concepts of disease causation; Levels of disease prevention; Social medicine & Social control of medicine; Community Diagnosis; Quality of life; Right to health; Indicators of health; Health services philosophies; Health services research.	07	CO1
2	UNIT-2	Current issues in community health; Etiology and treatment options for common chronic and communicable diseases; primary, secondary, and tertiary measures to prevent and treat conditions most prevalent at the community level.	07	CO2
3	UNIT-3	Health promotion in the workplace: A healthy and safe workplace; Occurrence and prevention of injuries; Occupational stress; Occupational safety and health; Women's health; AIDS; Violence; Alcohol, tobacco and illegal drugs use; Proper use of medications- prescription and non-prescription.	08	CO3
4	UNIT-4	Communication, Programme planning and evaluation in health education and promotion: Community needs assessment; Planning for health education and promotion programs in a variety of settings; Issues relating to implementation of programs; Monitoring and Evaluation. Principles of Health Education; Health informatics	07	CO4
5	UNIT-5	Chronic disease management & Consumer health: Prevention and control of chronic lifestyle diseases; common barriers to healthy lifestyles; evaluation of health services and products; medical quackery; efficiently using health services; consumer protection; alternative and complementary therapies (AYUSH); food selection; influences of advertising on consumer choices.	06	CO5
	nce Books:			
		c of Social Medicine, 2nd Edition, 2010, AITBS Publishers, India		
-		nensions of Health, Rawat Publishers, 2005, New Delhi, India iples of Health Care Management, Jones & Bartlett Publishers, 2005, UK		
		of Preventive and Social Medicine, 22nd Edition, Banarsidas Bhanot Publishers, Jabalpur, India		
2012.	II. Fulk 5 Fortbook			
4. Cha	kravarthy S: Planning	g of Surgical Suites, National workshop on hospital planning and Design, AIIMS, New Delhi, 1987.		
	,	ospital Laboratory Services Organization and Management, Journal of Academy of Hospital Admir	istration, 2(@) 1990.
		Management and Administration, Deep & Deep Publications Pvt. Ltd., New Delhi.		
	rning Source:			
		n/watch?v=-OhmAGm8XmE		
2. <u>https</u>	://www.youtube.com/	/watch?v=FpQEwbAV3Qw		

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)													
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4						
CO1	3	2	3	2	3	2	3	2	3						
CO2	2	2	2	2	2	2	2	2	2						
CO3	2	1	2	1	2	1	2	1	2						
CO4	1	2	1	2	1	2	1	2	1						
CO5	2	2	2	2	2	2	2	2	2						

Course Code	Course Title			Att	ributes				SDGs
HA513	Community Healthcare Management	Employability	Entrepreneursh ip	Skill Developme nt	Gender Equalit y	Environment & Sustainability	Huma n Value	Professional Ethics	No.
		\checkmark							4



Effective from Sessio	on: 2023-24						
Course Code	HA514	Title of the Course	Study Tour Report	L	Т	Р	С
Year	II	Semester	IV	2	1	0	3
Pre-Requisite	None	Co-requisite	None				
Course Objectives							

	Course Outcomes									
CO1										
CO2										
CO3	The main purpose of the study tour is visit the different setup of the hospital and Healthcare sectors.									
CO4										
CO5										

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1			07	CO1
2			07	CO2
3			08	CO3
4			07	CO4
5			06	CO5
Refere	nce Books:			
1.				
2.				
3.				
4.				
e-Lea	arning Source:			
1.				
2.				
3.				

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)													
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4					
CO1			2	3	1	3	1	1	2					
CO2	2	2	2	1	2	1	1	2	1					
CO3	2	1	1	3	3	1	2	1	2					
CO4	1	2	1	3	2	2	2	1	1					
CO5	2	2	2	1	1	2	2	2	2					

				P	Auribules & S	DGS									
	Course Code	Course Title		Attributes											
				Entrepreneursh	Skill	Gender	Environment	Huma	Professional	No.					
	HA514	Study Tour Report	Employability	ip	Developme	Equalit	&	n	Ethics						
					nt	у	Sustainability	Value	Eulies						
										4					



Effective from Session: 2023-24 **Course Code** HA515 Title of the Course Dissertation L Т р Semester IV 0 12 0 Year Π 6 Nil **Pre-Requisite** Nil **Co-requisite** The main objective of this course is to develop independence in the research skills and to develop the research interpretation skill. To promote education and research in physiotherapy and provide academic and professional excellence for immediate **Course Objectives** productivity in hospital, governmental, or clinical settings for an ultimate benefit of society and environment.

	Course Outcomes								
CO1	The students will be able to perform literature review, identify state of the art in that field.								
CO2	The students will be able to define the problem and develop synopsis of a defined research problem								
CO3	The students will be able to establish a methodology using advanced tools / techniques for solving the problem including project management and								
	finances.								
CO4	The students will be able to prepare the research report and its oral demonstrations.								
CO5	The students will be gain practical experience in project management in biotechnological industry, be able to use various techniques in								
	contemporary research for project, perform numerical analysis and interpret the results								

Name of Student:		Session:	
Enrollment Number:		Date:	
Name of Subject:	Dissertation	Subject code:	HA515
Topics:			

S. No.	Evaluation	Point to be Considered	Max. Marks	Marks Obtained
1.		Periodic Consultation with Guide	2	
2.	On the basics of	Regular collection of Data with the consultation of guide.	2	
3.	continuous	Command of the topic & presentation skill	2	
4.	assessment (10 Marks)	Methods, analysis, dissuasion and Conclusions	2	
5.	(10 Warks)	Contribution to knowledge and thesis structure	2	
		Review all heading		
1.		Introduction	3	
2.		Aims, objectives & research hypothesis	3	
3.		Review of literature	3	
4.	On the basics of	Material & Methods	3	
5.	External	Data analysis & results	3	
6.	Evaluators at the	Discussion, lamination & future study	3	
7.	time of End Sem	Conclusion, signification.	3	
8.	Examination.	Bibliography	3	
9.		Tables, graph, diagram & Annexure (if any) Statistical Analysis Master Chart	3	
10.		The deface of study	3	
		Total Score	40	

Note: Evaluation of Dissertation of MHA- Students has to prepare oral presentation; each student will be assessed in a 20 minutes time (15 min for presentation & 5 min for discussion). The evaluation of dissertation by external examiner with proper approval of concern authorities. The end semester examination will be 40 marks as external evaluations and 60 marks will be by the internal examiner (continuous assessment):

Comments/Suggestions:

(Name and signature of Incharge)

(Head, Basic Medical Sciences)

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO	101	102	105	104	105	100	107	100	109	1010	1011	1012	1301	1302	1305	1304	1305
CO1	2	3	3	2	3	2	3	1	2	1	-	-	3	2	3	3	2
CO2	3	3	3	3	2	2	3	2	1	3	-	-	2	2	3	2	3
CO3	3	3	3	3	2	2	3	2	1	3	-	-	3	2	2	2	3
CO4	3	3	3	3	2	2	3	2	1	3	-	-	2	3	2	2	3
CO5	3	3	3	3	2	2	3	2	1	3	-	-	3	2	3	3	2
			1	- Low C	orrelat	ion; 2- 1	Modera	ate Cor	relatior	1; 3- Sub	stantial	Correlat	ion				

Attributes & SDGs Common for all branches / Disciplines

Course Code	Course Title		Attributes										
HA515	Dissertation	Emplo yabilit	Entrepr eneursh	Skill Developme	Gender Equality	Environment &	Human Value	Professiona 1 Ethics					

у	ip	nt	Sustainability			
\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	3,4,9, 17