

Department of Health Policy

Prasanna School of Public Health

Manipal Academy of Higher Education, Manipal

Learning Outcomes-based Curriculum Framework (LOCF)

Two-year Full-time Postgraduate Programme

Master of Public Health



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1. NATURE AND SCOPE OF THE PROGRAM

It is estimated that more than 10, 000 Public Health Professionals would be required on an annual basis to equip the government machinery with an appropriately trained and qualified public health workforce. Currently, India faces two threats in the Public Health sector, one being the rising disease burden, and the other is the poor allocation of government funds. It can be effectively managed by personnel trained in public health through appropriate public health training, i.e., ability to involve communities, work in multidisciplinary teams, and lobbying with government and community leaders with a deep understanding of social, economic and environmental determinants of health; Public Health Professionals are well armed to face these challenges.

The combined rise in chronic, non-communicable diseases and continuing burden of infectious diseases has highlighted the need for strengthened health systems in low-and middle-income countries. A robust health system is necessary if the Sustainable Development Goals (SDGs) are to be achieved; it is also central to designing, implementing and monitoring health programmes; delivering quality health services; and ensuring universal health coverage. Strong health systems will need adequate and well-trained health professionals, and a shortage of health workforce can often be a crucial limiting factor in the delivery of quality health services in low- and middle-income countries.

Public health is a vital part of any health system and is ultimately responsible for reducing health risks and maintaining and improving health status. According to an Institute of Medicine report, public health professionals play a pivotal role in the creation and maintenance of a healthy community. This report defined a public health professional as "a person educated in public health or a related discipline who is employed to improve health through a population focus". Public health is a fusion of many cross-cutting disciplines, including but not limited to medicine, behavioural and social sciences, statistics, management, communication, environment, nutrition, law, and public policy.

An emerging economy like that of India must plan for adequate access to quality health care for its large population. There is a recognized need to initiate and appropriately strengthen public health education in the country. The Master of Public Health program is a blended learning program where students enrol for two years four-semester course comprising of competency-based learning, fieldwork, assignments, and problem-based learning. The program consists of modules on the basic and advanced level of Epidemiology & Biostatistics, Social & Behavioural Sciences, occupational health, maternal health, and health policy. The two-year master's program also provides an opportunity for the students to pursue an internship to learn the application of theoretical knowledge in practice, be prepared to take up a career in public health, and gain new skills and practices required for specific jobs. Master of Public Health program welcomes graduates from any health science discipline with 60% mark in their final qualifying examinations. Applicants after completing the program get career opportunities in Government health departments, developmental sector, NGOs - International and National, Research organizations and Academic sector.



2. PROGRAM EDUCATION OBJECTIVE (PEO)

The overall objectives of the Learning Outcomes-based Curriculum Framework (LOCF) for **MPH program are as follows.**

PEO No	Education Objective
PEO 1	Students will be able to demonstrate adequate knowledge and skills to a wide range
	of public health topics and apply the course learning to the public health system and
	its challenges
PEO 2	Students will be able to develop, implement and evaluate key public health policies
	and acquire capacity to apply conceptual framework to understand policy processes
	in health care
PEO 3	Students will be able to demonstrate competency in managing health systems at
	different levels and identify immediate and long-term health program goals at
	national, State and district levels
PEO 4	Students will be able to develop competency in research, understand and apply
	ethical principles in research, evaluation and dissemination and translate research
	knowledge for evidence-based policy making



3. **GRADUATE ATTRIBUTES:**

S No.	Attribute	Description
		Knowledge of the various concepts in Public Health for
1	Disciplinary Knowledge	prevention against diseases and for execution of research.
		Acquiring knowledge of the various components of public
		health and its relation with other domains of science.
2	Understanding	Policy making for public health challenges, One health
	different subsets of	concept, Big data analysis, Interdisciplinary approach for
	public health	public health problems, Epidemiological aspects across
		specialisations,
3	Measurable Skills and	Situational analysis, Applications in health care, Analysis
	Health system -ready	of public health programs, Public health ethics, Innovative
	Professionals	research ideas to achieve SDGs
4	Effective and	Verbal and non-verbal skills, Computing sills and analysis,
	Influencing	Digital communication platform awareness.
	communication	
5	Leadership readiness/	Mobilizing communities to tackle public health challenges,
	Qualities	leading public health organisation, key initiatives in public
		health getting political attention
6	Critical/ Reflective	Reasoning, logic, imagination and innovation, creativity-
	thinking	based solutions in all areas of public health
7	Technologically	E-solution to public health challenges to reach the
	Efficient Professional	unreached, Technical skills in digital innovations and
		applications for public and global health
8	Ethical Awareness	Public health ethics and ethics in epidemiological research,
		evaluation and implementation
9	Lifelong Learning	Continuous awareness of transition in public health
		problems, constant updation of digital techniques to apply
		for public health solutions
10	Research-related Skills	Generation of evidence through ethical public health
		research, Translation of evidence from research into policy,
11	Cooperation/	Identification of strategic team members, Team building
	Teamwork	capacity, team management skills, Multidisciplinary team-
		based approach.



4. QUALIFICATIONS DESCRIPTORS

1. Demonstrate

- How to critically conduct the situational analysis and develop action plan for identified public health issues
- How to Develop workforce for taking public health related responsibilities in defined geographical areas
- Understanding of the epidemiological transitions of programs specific to each State within the country in order to prioritize public health challenges for policy making
- 2. Demonstrate comprehension of roles of supply and demand in policy making in health care
- 3. Demonstrate an understanding to facilitate inter-sectoral coordination and public-private partnership
- 4. Critically analyse resource allocation for competing public health interests across programs
- 5. Formulate context based appropriate policies and design programs to address public health challenges and effectively prioritize health issues in population.
- 6. Describe various managerial information systems and their application and program management plans in health
- 7. Understand and apply core management principles for human resources in health and program budgeting and economic evaluation
- 8. Formulate and test research hypotheses in real world scenario.
- 9. Comprehend and demonstrate and Quality assurance and improvement techniques in health care



5. PROGRAM OUTCOMES:

After successful completion of Master of Public Health, Students will be able to:

PO	Programme	Attributes	Competencies 1	Competencies 2
No	Outcomes		•	•
1	Learning the basic skills of epidemiology and its application	Domain knowledge	Demonstrate adequate knowledge and skills to a wide range of public health topics including disease, transmission and control	Develop an understanding of the epidemiological transitions of programs specific to each State within the country in order to prioritize public health challenges for policy making
2	Learning the basic skills, tools and techniques for data management	Modern tool usage	Understand and apply quality assurance and improvement techniques in health care	Develop competence to critically evaluate existing information and identify gaps
3	Learning the basic techniques of research methodology	Research and Ethics	Understand and apply ethical principles in research, evaluation and dissemination	Formulate and test research hypotheses in real world scenario
4	Learning the systems of health, state and governance	Design/devel op solutions	Develop workforce for taking public health related responsibilities in defined geographical areas	Translate research knowledge for evidence-based policy making including disaster epidemiology
5	Learning the basics of environmental and occupational health	Environmen t and sustainabilit y	Basic knowledge and skills for environmental health	Basic knowledge and skills for Occupational health
6	Learning the methods of management for improving the health system	Project management and finance	Describe program management plans in health	1
7	Learning the skills for programme monitoring and evaluation	Problem analysis	Understand and apply core management principles for human resources in health	Learn basics of inter-sectoral coordination in animal human interface



8	Applying the epidemiological skills in maternal and child health care	Conduct investigation s of complex problems	Basic knowledge and skills of reproductive health care	Basic knowledge and skills for maternal and child nutrition
9	Applying the epidemiological skills in Health policy analysis	Life-long learning	Develop a capacity to apply conceptual framework to understand policy processes in health care	Develop a capacity to apply conceptual framework to understand policy processes in health care
10	Applying the epidemiological skills in disease surveillance and epidemiological research	Business and society	Achieving skills and techniques for disease epidemiology and control	Understand and apply core management principles for human resources in health
11	Learning the immunization system and its monitoring practices	Domain knowledge	Describe program management plans in health including immunization	Understand roles of supply and demand in policy making in health care
12	Learning the basics of population science	Individual / Teamwork	Basic knowledge and skills related to population movement and demography	Prioritize health issues in population



6. COURSE STRUCTURE, COURSE-WISE LEARNING OUTCOMES AND COURSE OUTCOMES

Subject Code	Subject Title	L	T	P	C
MPH 511	Basic Epidemiology	5		5	3
DDS 518	Introductory Biostatistics for Health Administrators	3		5	2
MPH 512	Environmental and Occupational Health	5		5	3
MPH 521 DDS 528	Applied Epidemiology Inferential Biostatistics for Health Administrators	5		5	3 2
MPH 522	Social and Behavioural Sciences and Qualitative	5		3	2
WII 11 322	Methods				
MPH 671	Health policy approaches in Global Health	2			2
MPH 531	Research Methodology, Data Collection, and Management	12			3
MPH 532	Principles of Communication	12			3
MPH 533	Health Service Administration and Management	24			3
MPH 672	Project design and principles of management in Global Health	2			2
MPH 541.1	Infectious Disease and Surveillance	8			3
MPH 541.2	Basics of Maternal and Child Health	8			3
MPH 541.3	Healthcare Innovation	8			3
MPH 541.4	Environmental and occupational toxicology	8			3
MPH 542	Health Economics	8			3
MPH 543.1	Nutritional Epidemiology	8			3
MPH 543.2	Demography and Population Science	8			3
MPH 543.3	Health system and policy research	8			3
MPH 543.4	Industrial Hygiene and Health	8			3
MPH 551	Public Health Intervention Program Monitoring and Evaluation	8		8	3
MPH 552.1	Chronic Disease and Disability	12			3
MPH 552.2	Policies and legislations in Maternal and Child Health	12			3
MPH 552.3	Healthcare leadership	12			3
MPH 552.4	Environmental Exposure Assessment and Control	12			3
MPH 552.5	Global Public Health in Emergencies	12			3
MPH 561	Certificate course on Global Health Security	8			3
MPH 562	Certificate course on One Health and Animal Human Interface	8			3
MPH 563.1	Clinical Research and Ethics	8			3
MPH 563.2	Global Issues in Maternal and Child Health	8			3
MPH 563.3	Health policy regulations	8			3
MPH 563.4	Occupational and Environmental Safety	8			3
MPH 563.5	Global Health and Anthropology	8			3
MPH 681	Internship			20	4
MPH 699	Project work			30	16

L-Lecture, T-Tutorial, P-Practical



Name of the Program:					Master of Public Health								
Course	Title:			Ва	Basic Epidemiology								
Course	Course Code: MPH 511					nstruct	or: Dr	Bhumil	ka T V				
Acaden	Academic Year: 2021- 2022					First v	veek of	Aug to	Third	week of	Sep		
No of Credits: 3				Pr	erequi	sites: U	ndergra	duate ii	n health	science			
Synops	is:	The c	ourse wi	ill provid	le the f	fundame	ental kı	nowledg	ge of v	arious c	oncepts	of basic	
		epider	niology.	This cou	ırse wil	l equip	studen	ts to de	evelop t	he abilit	y to iden	tify the	
		charac	eteristics	of study	designs	in epid	emiolog	gy.	_				
Course	Outco	mes (C	Os):	On succ	cessful o	complet	ion of t	his cou	rse, stud	dents wil	l be able	to	
CO 1:				Recogn	Recognize the significance of causation in epidemiology (C2)								
CO 2:				Describ	Describe the various epidemiologic methods and study designs (C3)								
CO 3:				Identify	Identify the principles and limitations of public health screening								
				programs. (C2)									
CO 4:				Describ	Describe a public health problem in terms of magnitude, person, time								
				and pla	and place. (C2)								
Mappin	ng of C	Os to P	Os	l									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1	X			X	X								
CO 2			X			X			X		X		
CO 3		X											
CO 4	X						X	X		X		X	



Name	Name of the Program:						Public	Health					
Course	e Title:				In	troduc	tory Bi	ostatist	ics for	health a	dministr	ators	
Course	e Code:	DDS 5	18		Co	ourse I	nstruct	or: Dat	a Scien	nce facul	ty		
Acade	mic Yea	r: 2020)-2021		Bl	ock 1 –	First v	veek of	Aug to	Third v	week of S	Sep	
No of	No of Credits: 2						sites: B	achelor	's in he	alth scier	nce		
Synop	sis:	This is	an ir	ntroduct	ory lev	vel cou	irse. Tl	he cou	rse pro	ovides b	asic con	cepts of	
		biostati	stics, ii	ncluding	g proba	bility a	nd com	monly	applied	l probabi	ility distr	ributions.	
		This is	a core	course	for all	МРН е	nrolees.	The co	ourse st	tarts with	describ	ing basic	
		concept	ts in the	theory	and pra	actice o	f biosta	tistics.	Student	s will be	introduc	ed to the	
		basic p	rinciple	s and a	pplicati	ons of	biostati	stics in	health	science e	epidemio	logy and	
		public l	nealth. `	Various	scales o	of meas	uremen	ts, type:	s of var	iables, ar	nd types o	of will be	
		brought	t in. Stu	dents w	ill be in	e introduced to various statistical methods for summarizing							
		present	ing diff	erent ty	pes of c	lata.							
Course	e Outco	mes (C	Os):	On succ	cessful o	complet	tion of t	his cou	rse, stu	dents wil	l be able	to	
CO 1:				Develo	p and a	nd apply statistical methods to a wide range of topics in							
				biology	(C6)	6)							
CO 2:				Encom	pass the	s the design of biological experiments, (C4)							
CO 3:				Collect	ion and	and analysis of data from experiments (C2)							
Co 4:				Interpre	etation o	ion of the results (C4)							
Mappi	ing of C	Os to P	POs										
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1	X			X	X			X			X		
CO 2			X			X	X			X		X	
CO 3	X			X X X									
CO 4		X							X				
	<u> </u>	<u> </u>	1	1	1	<u> </u>	1	<u> </u>	<u> </u>	I	1	<u>I</u>	



Name of the Pro	gram:			Maste	Master of Public Health							
Course Title:				Envir	Environmental and Occupational Health							
Course Code: M	1PH 51	2		Cour	se Instr	uctor:	Dr Kum	ar Sumit				
Academic Year	: 2021-:	22		Block	1 Firs	t week	of Aug	to Third	week of	Sep		
No of Credits: 2	No of Credits: 2					s: Unde	ergraduat	e in heal	th science	e		
Synopsis:	burder	n of di	isease.	This cou	irse see	eks to	create a	basic un	ificant canderstand	ing of t	he twin	
	Enviro	onment res to	al health reduce	n like pol them. Tl	ke pollution of Air and Water, their impact on human health, and em. This course will orient students about major occupational evarious technical, medical and legal measures to tackle them							
Course Outcom	es (CO	(s): C	n succe	ssful con	npletion	of this	course,	students	will be ab	ole to		
CO 1:					the the direct and indirect human, ecological, and safety effects of avironmental and occupational agents. (C1, A1)							
CO 2:		Т	o specif	y current	current environmental risk assessment methods (C2)							
CO 3:		sı	ısceptib	ility to	be genetic, physiologic, and psychosocial factors that affect lity to adverse health outcomes following exposure to ental hazards. (C2, A1)							
Mapping of CO	os to PO	Os										
COs PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1 x	X		X	X	X		X	X		X		
CO 2		X				X			X		X	
CO 3 x				X			X		X			



DEPARTMENT OF HEALTH POLICY, PRASANNA SCHOOL OF PUBLIC HEALTH

Name of the	e Program:		Master of Public Health						
Course Title	e:		Applied Epidemiology						
Course Cod	le: MPH 521		Course Instructor: Dr. Prakash Narayanan						
Academic Y	Year: 2021-202	2	Block-2: Fourth week of Sep to First week of Nov						
No of Credi	ts: 3		Prerequisites: MPH subjects in Block-1						
Synopsis:	epidemiolog problem-solv tasks confron	y and bio	It to prepare students to understand the advances concepts of basic statistics critically. Students will be introduced to data sets and It will instil in students an approach to knowledge building and research process.						
Course Out	comes (COs):	On suc	cessful completion of this course, students will be able to						
CO 1:			NIZE the importance of the concepts related to causation, study n epidemiology (C1)						
CO 2:		DESCRI	BE the bias, validity and reliability of studies (C2)						
CO 3:			CATION of the Principles of estimation, and sample size nation, sampling to the given research question (C4)						
CO 4:			the concepts of probability distributions and sampling in on and inference of data including TEST the hypothesis (C4)						

Mapping of Cos to POs

COs				PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	X	X		X								
CO 2		X	X		X		X					
CO 3	X				X		X	X	X			
CO 4			X	X		X				X	X	
CO 5		X				X		X		X		X



Name o	of the Pr	ogram			M	aster of	Public H	lealth					
Course	Title				In	Inferential Biostatistics for Health Administrators							
Course	Code: I	DDS 528	i		Co	Course Instructor: Dr Vani Lakshmi R							
Acaden	nic Year	:: 2021-2	2022		Bl	ock 2 –	Septem	ber (We	ek III)	- Octobei	r (Week I	V)	
No of C	No of Credits: 2					erequis	ites: DD	OS 518					
Synops	is:	The cou	ırse ex	tends th	e conce	epts cov	rered in	Introdu	ictory I	Biostatisti	cs for H	ealthcare	
		Adminis	strators.	The co	ncepts c	covered	in the c	ourse in	nclude a	n introdu	ction to	sampling	
		methods	(rando	m and no	on-rando	om), sam	npling er	ror and	confider	ice interva	als, param	etric and	
		non-para	ametric	statistica	al infere	nce meth	ods, co	rrelation	and reg	ression a	nalysis an	d sample	
		size cor	nputati	on meth	ods. It	includes	a prac	tical co	mponen	t wherein	the stud	lents are	
		introduc	ed to op	en-sour	ce softw	are, Jam	ovi 2.0.						
Course	Outcon	nes (CO:	s): (n succes	ssful cor	completion of this course, students will be able to							
CO 1			S	ummariz	ze the 1	most-coi	nmonly	used r	andom	and non-	-random	sampling	
			n	nethods.	(C2)								
CO 2			I	llustrate	paramet	ric and r	on-para	metric s	tatistica	linference	e methods	which	
			a	re comm	only use	y used in health science research. (C3)							
CO 3			I	llustrate	correlati	relation and regression methods which are commonly used in							
			h	ealth sci	ence res	e research. (C3)							
CO 4			A	apply the	statistic	atistical inference, correlation, regression methods on real-life							
			d	atasets u	sing Jan	g Jamovi 2.0 (C3)							
Mappii	ng of CC	Os to PO	S										
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1	X						X	X	X				
CO 2	X						X	X	X				
CO 3	X						X	X	X				
CO 4	X	X	X				X	X	X				



Name o	Jame of the Program:					of Pub	lic Heal	lth				
Course	Title:				Social	& Beha	vioural	Science	s and qu	ıalitative	methods	3
Course	Code:	MPH 5	522		Course	e Instru	ıctor: I	Or Kuma	r Sumit			
Acaden	nic Yea	r: 2021	1-2022		Block	2 Four	th week	x of Sep	to First	week of	Nov	
No of C	redits	: 2			Prereq	uisites	: Under	graduate	in heal	th scienc	e	
Synops	is:	This co	ourse w	ould pr	ovide 1	knowled	dge and	l essentia	al skills	require	d for seg	menting
		consum	er and	busines	s marke	ets. This	s course	e will equ	aip stud	ents to d	evelop th	ne ability
		to unde	rstand t	he targe	et mark	eting co	ncepts.	The cou	rse will	also prep	pare stud	ents with
		requisit	e knov	vledge	and ap	plication	on of	theories	related	to seg	mentatio	n, target
		marketi	ing, and	d branc	d posit	ioning.	The c	ourse w	ill prov	vide esse	ential kn	owledge
		require	d to un	derstan	d diffei	rent coi	mpetitiv	e enviro	nment	which w	ill deter	mine the
		marketing decisions.										
Course	Oı	itcomes	on s	uccessf	ul com	pletion	of this c	course, st	udents	will be a	ble to	
(COs):												
CO 1:			Enha	nced k	nowled	ge of fu	ındameı	ntal theo	ries, co	ncepts, a	nd mode	ls from a
			range	e of soc	ial and	behavio	ural dis	ciplines,	relevar	t to publi	ic health	practices
			(C1,	A1)								
CO 2:			Incre	eased kı	nowledg	ge and a	ability to	o design,	implen	nent and	evaluate	health
			pron	notion i	nterven	tions (C	C2)					
CO 3:			Impr	oved al	oility to	apply l	knowled	dge on et	hical pr	inciples	in public	health
			pract	tice (C1	, A1)							
Mappi	ng of C	COs to 1	POs									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X				X			X	X		X	
CO 2		X	X				X			X		X
CO 3	X			X	X	X		X		X		



Name o	of the P	rogran	1:		Master	of Pub	lic Hea	lth					
Course	Title:	Course Instructor: Maastricht University (MAHE contact Kumar Sumit) Prerequisites: Undergraduate in health sciences Ability to understand and analyze the policies, Programmes in multi-cultural settin Identify the evolving national institutions, international organizations, NGOs, privorganizations, and global partners structuring health policy utcomes (COs): On successful completion of this course, students will be able to To develop proposal writing skills (C3, A2)										on 1)	
Course	Code:	MPH (Health Policy Approaches in Global Context (Foundation 1) Course Instructor: Maastricht University (MAHE contact-Kumar Sumit) Block-1 & 2 Prerequisites: Undergraduate in health sciences ty to understand and analyze the policies, Programmes in multi-cultural setting the evolving national institutions, international organizations, NGOs, privinizations, and global partners structuring health policy (COs): On successful completion of this course, students will be able to To develop proposal writing skills (C3, A2) SUMMARIZE existing evidence (C2, A3) DEVELOP academic writing skills (C2, A2)									ontact-Dr	
Acader	nic Yea	r: 2021	-2022		Course Instructor: Maastricht University (MAHE contact-I Kumar Sumit) Block-1 & 2 Prerequisites: Undergraduate in health sciences and and analyze the policies, Programmes in multi-cultural setting ing national institutions, international organizations, NGOs, prival global partners structuring health policy successful completion of this course, students will be able to develop proposal writing skills (C3, A2) MMARIZE existing evidence (C2, A3)								
No of C	Credits:	2			Prereq	luisites	: Under	gradua	te in hea	alth scien	ices		
Synops	sis:	Ability	to und	erstand	and ana	alyze th	e polici	ies, Pro	gramme	es in mul	lti-cultural	settings.	
		•		Ū						Ü	ons, NGOs	s, private	
		organiz	ations,	and glo	bal part	ners str	ucturin	g health	policy				
Course Outcomes (COs): On successful completion of this course, students will be able to)	
CO 1:				To deve	elop pro	posal w	vriting s	skills (C	(3, A2)				
CO 2:				SUMM	ARIZE	existin	g evide	nce (C2	2, A3)				
CO 3:				DEVEI	OP aca	demic	writing	skills (C2, A2)	١			
Mappi	ng of C	Os to P	Os										
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1	X	X	X	X					X				
CO 2					X		X	X	X	X	X	X	
CO 3	X	X	X										



Name o	f the P	rogran	n:		Maste	er of Pul	blic Hea	ılth				
Course	Title:				Resea	rch Mo	ethodol	ogy, Data	Collec	tion and	Manage	ement
Course	Code:	MPH 5	531		Cour	se Instr	uctor:	Dr. Bhum	ika T V	,		
Acaden	nic Yea	r: 202	1-2022		Modu	ıle: Blo	ck-3, Se	econd wee	ek of No	ov to Thi	rd week o	of Dec
No of C	redits	3			Prere	quisite	s: Unde	r graduati	on in he	ealth scie	nces	
Synopsi	is:	This co	ourse p	rovides	a basi	c under	standing	g of types	s of sur	veys and	samplin	g methods
		used in	public	health.	Topics	covered	d includ	e survey i	nstrume	nts, data	collection	n methods,
		and ma	anagem	ent. O	rient st	udents	on valid	dating sta	ndard d	lata, asse	essing da	ta quality,
		applyir	ng statis	stical p	ackages	s for dat	ta entry	and data	manage	ment. Th	nis is a co	ore course,
		commo	on for a	ll MPH	enrole	es.						
Course	Outco	mes (C	(Os):	n succ	essful c	complet	ion of th	nis course	, studen	ts will be	able to	
CO 1:			I	DENT	FY the	major s	sources	of public	health d	lata, and	their met	hodology
				C2)								
CO 2:			C	COMPF	REHEN	D the n	nethods	used in p	ublic he	alth data	collectio	n (C3)
CO 3:			k	NOW	differe	nt types	of data	collection	n, sampl	ling meth	odology,	tools for
					lection				•			
CO 4:			Γ	DEVEL	OP too	ls to col	llect pub	olic health	data to	answer i	esearch o	questions
			(C4)								
CO 5:			I	LLUST	RATE	data an	alysis a	nd INTE	RPRET	the result	s (C4)	
Mappir	og of C	Os to I	POs									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X									X	
CO 2		X	X		X		X	X		X		X
CO 3	X				X				X			Х
CO 4		x x				X						
CO 5		X				X		X		X		X



Name o	of the I	Program	n:		Master	of Publ	ic Heal	th				
Course	Title:				Principle	es of Co	mmuni	cation				
Course	Code	MPH	532		Course	Instruc	tor: Di	Navya	Vyas -	SOC fac	ulty	
Acaden	nic Ye	ar: 202	1- 2022		Block 3	– Seco	nd weel	k of No	v to Thi	rd week	of Dec	
No of C	Credits	: 3			Prerequ	isites:	MPH su	ıbjects i	in Block	s 1 to 2		
Synops	is:	The co	urse wo	uld pro	vide knov	wledge	of conc	epts and	d models	in health	commu	nication
		and ap	plicatio	n of th	e same	for pro	motion	of hea	lthy life	e and ove	erall wel	l-being,
		includi	ng, heal	th prom	otion and	d qualit	y assure	ed life.				
Course	Outco	omes (C	COs):	On suc	ccessful	complet	ion of t	his cou	rse, stud	ents will l	oe able to)
CO 1:				RECC	GNISE	the s	significa	ance o	f healt	h comm	nunication	n/ risk
				comm	unication	in pub	lic heal	th (C1)				
CO2:				DESC	RIBE the	e impor	tance o	f comm	unicatio	n process	es, chani	nels and
				media	for chan	ging hu	man be	havior ((C2, A1)			
CO 3:				DESC	CRIBE t	he use	of co	mmuni	cation s	strategies	to info	rm and
				influe	nce decis	ions an	d action	s to im	prove he	alth (C2)		
CO 4:				APPR	AISE the	model	s of risl	comm	unicatio	n for spec	ific outc	omes in
				times	of disease	e and ep	oidemic	s includ	ling eme	ergencies	(C3, A1)	
Mappir	ng of C	COs to 1	POs	ı								
COs	PO 1	PO 2	PO 3	3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12								
CO 1	X		X	x x x								
CO 2				X					X			
CO 3	X		X		X	X		X		X	X	X
CO 4		X					X					



DEPARTMENT OF HEALTH POLICY, PRASANNA SCHOOL OF PUBLIC HEALTH

Name of the	Program:		Master of Public Health
Course Title	2:		Health service Administration and Management
Course Cod	e: MPH 533		Course Instructor: Dr. KUMAR SUMIT - MHA Faculty
Academic Y	Year: 2021-2022	2	Block 3- Second week of Nov to Third week of Dec
No of Credi	ts: 3		Prerequisites: MPH subjects in Block-1 and Block-2
Synopsis: Course Out	concept of a institution. The	administ his cours	idministration is the key to success for any organization. The ration is of paramount importance in running a health care se will impart all the necessary administrative skills to the students ious intricacies in managing an organization.
CO 1:			uire the knowledge, concepts and skills necessary to manage the stration of a healthcare facility (C2)
CO 2:			ically appraise the functioning of a health system and to suggest res for administrative improvisation (C2, A3)
CO 3:		To des	cribe the dynamics of strategic planning (C3)
CO 4:		To des	cribe the policies and standards related to hospitals (C2)

Mapping of Cos to POs

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	X		X						X		X	
CO2		X			X	X		X		X		X
CO3	X		X		X	X			X	X		
CO4		X	X	X			X		X			



Name o	of the P	rogran	1:		Master	of Pub	lic Heal	lth								
Course	Title:				Projec	t desig	n and	princi	ples of	f manag	gement of	global				
					health	(Found	dation-	2)								
Course	Code:	MPH (672		health (Foundation-2) Course Instructor: Dr Kumar Sumit Block- 3, 4 & 5 Second week of Nov to Third week of Dec First week of Feb to Third week of March Fourth week of Mar to First week of May Prerequisites: MPH subjects in Blocks 1 to 2 tand and analyze the policies, Programmes in multi-cultural settings. ving national institutions, international organizations, NGOs, privated global partners structuring health policy											
Acaden	nic Yea	r: 2021	-2022		Block-	3, 4 &	5									
					•	Second	d week	of Nov	to Thi	rd week	of Dec					
					•	First v	veek of	Feb to	Third	week of	March					
					•	Fourtl	n week	of Mar	to Firs	st week o	of May					
No of C	Credits:	2			Prereq	uisites	: MPH	subjects	s in Blo	cks 1 to	2					
Synops	sis:	Ability	to und	erstand a	and ana	lyze the	e policie	es, Prog	ramme	s in multi	i-cultural s	ettings.				
		Identify	the ev	olving	national	l institu	tions, ii	nternati	onal org	ganizatio	ns, NGOs,	private				
		organiz	ations,	and glo	Course Instructor: Dr Kumar Sumit Block- 3, 4 & 5 • Second week of Nov to Third week of Dec • First week of Feb to Third week of March • Fourth week of Mar to First week of May Prerequisites: MPH subjects in Blocks 1 to 2 and analyze the policies, Programmes in multi-cultural settings. national institutions, international organizations, NGOs, private bal partners structuring health policy ressful completion of this course, students will be able to mire knowledge of and experience with complex project design											
Course	Outco	mes (C	Os):	On succ	On successful completion of this course, students will be able to											
CO 1:				To acqu	ire kno	wledge	of and	experi	ence w	ith comp	lex project	t design				
				and bas	ic princ	iples o	f manaş	gement	in the	field of g	global heal	th. (C3,				
				A2)												
CO 2:				To acqu	ire exp	erience	with pr	oject pi	roposal	writing a	and learn (C2, A3)				
GO 2																
CO 3:						_	inciples	s of resp	onsive	design of	n the one h	and and				
3.6	6.0	O 4 D		disease(C2, A2											
Mappi	ng of C	Us to P	US													
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12				
CO 1	X	X	X	X					X							
CO 2					X		X	X	X	X	X	X				
CO 3	X	X	X													



Name	of the P	rogram:			Maste	er of Pu	blic He	ealth				
Course	e Title:				Infecti	ious Dis	sease an	d Survei	llance			
Course	e Code:	MPH 54	1.1		Cours	se Instr	uctor: 1	Navya V	yas			
Acade	mic Yea	r: 2021-	2022		Block	4 : Firs	t week	of Feb to	Third v	veek of N	Mar	
No of	Credits:	3			Prere	quisites	: MPH	subjects	in Bloc	k-1 to 3		
Synop	sis:	The cour	se wou	ld prov	ide the f	fundame	ental kr	owledge	of vari	ous cond	cepts of i	infectious
		diseases	and sur	veillanc	e and to	apply t	he conc	epts for	control	of infecti	ious disea	ases. This
		course w	ill prep	are stu	dents wit	th requi	site kno	owledge	to ident	ify the c	haracteri	stics of a
		surveilla	nce syst	tem								
Course	e Outco	mes (CO	s): O	n succe	ssful cor	npletion	n of this	course,	students	s will be	able to	
CO 1:			R	ecogniz	e the sig	nificano	ce of na	tural hist	ory of c	liseases i	n prevent	tion and
			co	ontrol o	f commu	nicable	disease	es (C2)				
CO 2:			D	escribe	the role	of surve	eillance	system i	n detect	ion of ea	rly warn	ing
			si	gnals a	nd outbre	eaks (C	1)					
CO 3:			Е	xplain t	he cause	s of em	erging a	and re- er	merging	infectio	us diseas	es (C2)
CO 4:			A	pply ep	idemiolo	gical co	oncepts	and mea	sures fo	r control	in infect	ious
			di	iseases	(C3)							
Mappi	ing of C	Os to PC)s									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X		X		X					X	X	X
CO 2				X				x	X			
CO 3						X		X		X		
CO 4	CO 4 x						X					



Name	of the l	Prograi	n:		Master	of Pub	lic Heal	lth				
Course	e Title:				Basics	of Mate	ernal an	d Child	Health			
Course	e Code	: MPH	541.2		Course	e Instru	ictor: [Or Arathi	P Rao			
Acade	mic Ye	ar: 202	1- 2022		Block 4	4 – Firs	st week	of Feb t	to Third	l week of	f Mar	
No of C	Credits	: 3			Prereg	uisites	MPH :	Blocks 1	to 3			
Synops	sis:	This co	ourse wi	ll introd	duce the	e studer	nts to th	ne essent	ial conc	epts of re	eproduct	ive care
		with s	pecial r	eferenc	e to in	tervent	ions pr	rioritised	for ma	aternal a	nd child	health
		especia	ally in de	evelopii	ng coun	tries. T	he stud	ents will	be able	to perce	eive the r	ationale
		and the	e justific	ation fo	r the he	alth car	e servi	ces cater	ed to thi	s special	populati	on.
Course	e Outco	omes (C	COs):	On suc	ccessful	l compl	etion of	f this cou	ırse, stu	dents wil	l be able	to
CO 1:				То сол	mprehe	nd the b	asic co	ncepts o	f antena	tal, intra	natal and	
				postna	ıtal care	among	the mo	others. (C	C2)			
CO 2:				To ide	ntify th	e grow	th and d	levelopn	nental pa	atterns ar	nong chi	dren
				and de	escribe t	the fact	ors influ	uencing t	the same	e. (C1)		
CO 3:				То сог	mprehe	nd the v	arious	intervent	tions for	health p	romotion	in
				materi	nal and	child po	opulatio	ons (C2)				
CO 4:				To list	the mo	rbidity	pattern	s and ris	k factor	assessme	ent and th	neir
				manag	gement	in MCF	H (C1)					
Mappi	ing of (COs to 1	POs									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X											
CO 2		X	X			X	X	X				
CO 3		X		X		X	X	X	X		X	X
CO 4		X			X		X	X		X		



Name	of the P	rogram	:		Master	of Pub	olic Hea	lth				
Course	e Title:				Health	icare in	novati	on				
Course	e Code:	MPH 54	41.3		Cours	e Instr	uctor:]	Dr. Sanja	ay Pattai	nshetty		
Acade	mic Yea	r: 2021-	-2022		Block	4, First	t week	of Feb to	o Third	week of	March	
No of C	Credits:	3			Prerec	quisites	: MPH	subjects	in Bloc	ks 1 to 3		
Synops	sis:	Health c	are inr	novations	is a mul	tidiscip	linary, e	education	nal appro	oach to p	repare stu	dents for
		an inno	vative	and trans	formati	ve role	in hea	lthcare.	Student	s will ge	et a first-h	ands on
		experien	ice abo	out leaders	hip, ent	reprene	urship,	applicat	ion tech	nology to	create in	novative
		and trans	sforma	tive soluti	ons to c	urrent l	nealthca	re challe	nges. Tl	nis is a co	re course	for MPH
	Health Policy specialization.											
Course	e Outco	mes (CC	Os):	On succes	sful cor	npletion	n of this	course,	students	s will be	able to	
CO 1:			(Comprehe	nd the b	pasic co	ncepts	and appr	oaches	in innova	tions in	
			1	healthcare	, and th	e ability	y to app	ly the sa	me in re	al-time s	scenario (C	C3, A2)
CO 2:]	Illustrate t	he vario	ous mod	lels of h	ealth in	novation	s, their a	pplication	in
			1	public hea	lth inter	vention	ns (C2,	A1)				
CO 3:]	DESCRIB	E the as	ssessme	ent of in	novation	ns, and c	hallenge	s (C3, A2))
Mappi	ng of C	Os to Po	Os									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X		X							X	
CO 2		X	X		X		X	X		X		X
CO 3	X				X	X			X			



Name o	f the P	rogram	1:		Maste	r of Pub	lic Heal	lth				
Course	Title:				Envir	onment	al and	Occupati	onal To	xicology		
Course	Code:	MPH 5	541.4		Cours	e Instr	uctor: I	Dr. Raj Na	ırayanar	Tiwari		
Acaden	nic Yea	r: 2021	-2022		Block	4 – Firs	st week	of Feb to	Third w	eek of M	arch	
No of C	credits:	3			Prere	quisites	: MPH	Blocks 1	to 3			
Synops			-					its to deve	-	_		
								processe		ated with	n environi	mental
		and occ	ираног	iai expo	osures a	ina their	preven	tion and c	control.			
Course	Outco	mes (C	Os):	On succ	cessful	comple	tion of t	his course	e, studer	nts will be	e able to	
CO 1:				IDENT	IFY ch	emical,	physica	l or biolo	gical ha	zards, en	countered	l in the
				work ei	nvironn	nent (Ca	2)					
CO 2:				COMP	REHEN	ND the a	assessm	ent of foo	d safety	and toxi	c hazards	(C3)
CO 3:				KNOW	rinci	ples of e	environi	nental to	kicology	with a fo	ocus on	
				environ	mental	, indust	rial, and	natural c	hemical	s (C3)		
CO 4:						ndamer	ntal unde	erstanding	g of the	toxicolog	y of diffe	rent
CO 5:				agents (7	and 1124	of a		14		awia .
CO 5:				effects		e routes	and nat	ure of exp	osures	evaluate	types of t	OXIC
Mappir	ng of C	Os to P			(С4)							
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
	101	102	103	104	103	100	107	108	103	1010	1011	1012
CO 1	X	X									X	
CO 2		X	X		X		X	X		X		X
CO 3	X				X				X			X
CO 4			X	X		X						
CO 5		X				X		X		X		X



Name	of the l	Prograi	n:		Master	r of Pul	olic He	alth					
Course	e Title:				Health	Econor	nics						
Course	e Code	: MPH	542		Course	e Instru	ictor: I	Or Navy	a Vyas	– DOC F	aculty		
Acade	mic Ye	ar: 202	1- 2022		Block	4- First	week	of Feb to	o Third	week of	Mar		
No of	Credits	: 3			Prereq	uisites	MPH	subjects	in Bloc	k-1, Bloc	k-2 and I	Block-3	
Synop	sis:	The co	ourse w	ould p	rovide	fundam	ental k	nowledg	ge of va	arious co	oncepts i	n health	
		econor	nics. Th	e cours	e will p	orepare	student	s with r	equisite	knowled	ge to ide	ntify the	
		charac	teristics	of econ	omic ev	valuatio	ns in he	ealthcare).				
Course	e Outco	omes (C	COs):	On su	ccessfu	l compl	etion of	f this cou	ırse, stu	dents wil	l be able	to	
CO 1:				Expla	in the p	eculiari	ties of l	neath car	e marke	et – the de	emand an	d supply	
				and pr	ricing of	f health	care. (C	23)					
CO 2:				Analy	se the c	ost beh	aviour a	and unde	ertake pi	ofit analy	ysis (C2,	A1)	
CO 3:				Expla	in the d	ifferent	method	ds of eco	nomic e	valuation	ns in		
				Health	ncare- (Cost Mi	inimisat	tion Ana	alysis, C	Cost Utili	ty Analy	sis, Cost	
				Effect	iveness	Analys	is and (Cost Ber	nefit Ana	alysis (C	2)		
CO 4:				Descr	ibe the	market	struct	ure for	Physicia	ans, Hos	pitals and	d Health	
				insura	nce. (C	2)							
CO 5:				Descr	ibe the	role of	Govern	ment &	contemp	orary iss	ues in Ho	ealthcare	
				(C3)									
Mappi	ing of (COs to 1	POs										
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1	X			X X									
CO 2				X									
CO 3		X	X			X		X			X		
CO 4				X			X					X	
CO 5						X			X	X	X		



Name of the P	rogran	n:		Maste	r of Pul	olic Hea	ılth						
Course Title:				Nutrit	ional E	pidemic	ology						
Course Code:	MPH 5	543.1		Cours	se Instr	uctor:	Dr Nav	ya Vya	S				
Academic Yea	r: 2021	1- 2022		Block	4 – Fir	st week	of Feb	to Thir	d week o	f Mar			
No of Credits:	3			Prere	quisites	s: MPH	subjec	ts in Blo	ocks 1 to	3			
Synopsis:	This o	course	will he	lp the s	students	s to un	derstan	d the in	nextricab	le link b	etween		
	nutriti	on and	human	health	and the	various	metho	dologie	s used to	study it	. It will		
	also g	ive an	overvie	w of ma	ajor pul	olic hea	lth prob	olems re	elated to	human n	utrition		
	health	and pro	ogramm	es both	interna	tional a	nd natio	onal, wh	nich invol	lve interv	entions		
	related	d to it.											
Course Outco	mes (C	Os):	On succ	cessful	complet	tion of t	his cou	rse, stu	dents wil	l be able	to		
CO 1:			EXPLA	AIN the	overvie	w of the	e scienc	ce of hu	man nutr	rition (C2	2)		
CO 2:			APPR A	AISE the	e interli	nkage b	etween	nutritio	on and hu	ıman hea	lth and		
			the role	of Epic	demiolo	gy in th	rowing	light o	n it (C2,	A1)			
CO 3:			DESCF	RIBE th	e variou	ıs Epide	emiolog	gical des	signs in n	utritiona	1		
			epidem	pidemiology (C1)									
CO 4:			DESCF	ESCRIBE the appropriate tools and methods in nutritional science									
			during	research	n (C2).								
CO 5:			DESCF	RIBE th	e signif	icant pu	ıblic he	alth pro	blems re	lated to			
			nutritio	n (C1)									
Mapping of C	Os to F	POs											
COs PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12		
CO 1 x			x x x x										
				A			A	A		A			
CO 2	X	X			X	X			X				
CO 3 x			X	X			X		X		X		
CO 4		X		X			X			X			
CO 5	X							X					



Name of t	the Pro	ogram:				Mast	ter of P	ublic H	ealth					
Course Ti	itle:					Dem	ograpł	y and	Popula	tion Sci	ence			
Course C	ode: N	ИРН 54:	3.2			Cou	rse Inst	tructor	: Dr. Pı	rakash N	arayanan			
Academic	Year	: 2021-2	2022			Bloc	k-4: Fi	rst weel	k of Fel	to Thire	d week o	f March		
No of Cre	edits: 3	3				Prer	equisit	es: MP	H Bloc	ks 1 to 3				
Synopsis:	Th	is cours	e provid	les the	basics of	of demo	ographi	c conce	pts inc	luding ag	ge pyram	ids, sex		
	rati	io, indi	cators, 1	fertility	and fa	mily p	lanning	praction	ces, cei	nsus, etc	. The ca	uses of		
	Fer	tility, N	I ortality	, Migra	ition an	d Urba	nizatior	and th	eir effe	ect on Ma	aternal aı	nd child		
	hea	alth is ex	xplained	l to stud	lents. M	lajor po	pulatio	n healtl	h indica	ators, the	sources	of data,		
	cal	culation	and int	terpreta	tion of	indicate	ors will	be exp	lained.	This is a	a core co	urse for		
	MI	PH Mate	ernal and	d Child	Health	Special	lization							
Course O	utcom	es (CO	s): Or	succes	sful co	mpletio	n of thi	s course	e, stude	ents will b	oe able to)		
CO 1:			Co	mprehe	end the	demo	graphic	conce	pts and	l measur	rements	used in		
			ep	epidemiology, and ability to apply the same in real-time scenario (C4.										
			A2	A2)										
CO 2:			Illi	ustrate t	the caus	ses and	conseq	uences	of high	fertility	, high int	ant and		
			ma	aternal 1	mortalit	y, and	their ap	plication	on in pu	ublic hea	lth interv	entions		
			(C	3, A2)										
CO 3:			Ur	nderstan	d the f	factors	and eff	fects of	migra	tion and	urbaniz	ation in		
			pu	blic hea	ılth (C3)								
CO 4:			Ap	plication	on of de	mograp	ohic tec	hniques	and m	easureme	ents in pu	ıblic		
			he	alth inte	erventio	ns and	progran	nmes (C4, A2))				
Mapping	of CO	s to PO	s											
COs	PO 1	PO 2	PO 3	PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12										
CO 1	X	X									X			
CO 2		X	X		x x x x									
CO 3	X				X				X					
CO 4		X	X X X X X X X X X X											



Name of the P	rogram	1:		Master	of Publ	ic Heal	th					
Course Title:				Health	Systen	n and F	Policy R	Researc	h			
Course Code:	MPH 5	43.3		Course	e Instru	ctor: [Dr. Sanj	ay Patta	nshetty			
Academic Yea	r: 2021	-2022		Block 4	4, First	week o	f Feb t	o Third	l week o	f March		
No of Credits:	3			Prereq	uisites:	MPH s	subjects	s in Blo	cks 1 to 3	3		
Synopsis:	Consid	dering 1	the imp	ortance	of sou	nd poli	cymaki	ng in tl	ne Healtl	n system	and to	
	encou	rage hig	gh-quali	ity resea	arch it i	s impor	tant to	train the	e Public 1	health gra	aduates	
	in Hea	alth sys	tem and	l policy	researc	ch. The	trained	profess	sionals sl	hould be	able to	
	handle	e the di	verse n	ature o	f the he	alth sy	stem ar	nd polic	ies in di	fferent c	ultural,	
	socio-	econon	nic and	socio-p	olitical	systems	s. This i	is a core	e course	for MPH	Health	
	Policy	specia	cialization.									
Course Outcor	mes (Co	Os):	On successful completion of this course, students will be able to									
CO 1:			DISCUSS the importance of building blocks of healthcare systems,									
			resear	ch and j	policy (C2, A1)			·		
CO 2:			DESC	RIBE o	lifferent	types	of healt	h syster	n, health	reforms	and	
			policy	researc	ch and i	ts appli	cations	(C2, A	1)			
CO 3:			EXPL	AIN the	e Policy	cycle,	applica	tion and	d policy	analysis i	n the	
			contex	t of hea	alth syst	tems an	d polic	y resear	ch (C3, A	A 2)		
Mapping of Co	Os to P	Os										
COs PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1 x							X			x		
CO 2	X	X	X	X		X	X		X		X	
CO 3		X	x x x x x x									



Name of the	Program:	Master of Public Health							
Course Title	2.	Industrial Hygiene and Health							
Course Cod	e: MPH 543.4	Course Instructor: Dr. Raj Narayanan Tiwari							
Academic Y	'ear: 2021-2022	Block 4 – First week of Feb to Third week of March							
No of Credi	ts: 3	Prerequisites: MPH subjects in Blocks 1 to 3							
Synopsis: Course Out	industrial hygiene. S pollutants, and PPE, of their control. The de guidelines and standar discussed. The roles safety and health to regulatory agencies an	enduced to the fundamental aspects of the science and practice of tudent will know how to recognize, evaluate, control workplace engineering control, and administrative control that can be used for velopment, application, and limitations of occupational health and will be considered. Emerging problems will be identified and of the industrial hygienist and other members of the occupational eam, industrial hygiene professional organizations, government and consensus standard organizations will be presented.							
CO 1:		FY the direct and indirect human, ecological effects of major l and occupational agents (C2)							
CO 2:		EHEND approaches for assessing, preventing, and controlling l hazards(C3)							
CO 3:		strategies to address environmental injury in the context of onal and industrial setting (C3)							
CO 4:		DEVELOP federal and state regulatory programs, guidelines, and authorities hat control occupational and industrial health and safety issues (C4)							
CO 5:	susceptil	TRATE the genetic, physiologic and psychosocial factors that affect ibility to adverse health outcomes following exposure to occupational ustrial hazards(C4)							

Mappi	ing of C	COs to I	POs									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X									X	
CO 2		x	X		X		X	X		X		X
CO 3	X				X				X			x
CO 4			X	X		X						
CO 5		X				X		X		X		X



Name of	of the P	rogram	:	Master	of Publ	ic Healt	h							
Course	Title:			Public	Health	Interve	ention,	Progra	ms Mo	nitoring	and Eva	aluation		
Course	Code:	MPH 55	51	Course	Instruct	tor: Dr.	Prakasl	h Naray	anan					
Acaden	nic Yea	r: 2021-2	2022	Block-5	5: Fourt	h week	of Mar	to First	week	of May				
No of C	Credits:	3		Prerequ	isites: N	MPH su	bjects i	n Block	s 1 to 4	ļ				
Synops	is:	This cou	ırse v	vill descri	be vario	ous typ	es of p	ublic h	ealth in	iterventic	ons, princ	ciples of		
		monitori	ng an	d evaluati	on of h	ealth pr	ogramr	nes, and	d enable	e them to	formula	te M&E		
		framewo	orks fo	or projects	/progra	mmes								
Course	Outcon	nes (COs	s): C	n success	ful com	pletion	of this	course,	student	ts will be	able to			
CO 1:			I	DENTIFY	the ma	ajor pul	olic hea	lth inte	rventio	ns, their	goals, ob	jectives,		
			a	nd M&E i	ndicato	rs (C2,	A2)							
CO 2:				ESCRIBI	E the m	nethods	to eval	luation	public	health in	terventic	ons, data		
			c	ollection r	nethods	s (C2, A	(2)							
CO 3:			A	APPRAISE different types of frameworks used to develop health										
			iı	interventions and measuring input, process, output, outcome and impact of										
			iı	nterventio	ns (C4,	A3)								
CO 4:				DESCRIE				Ū		impleme	ntation o	f Health		
				Lanageme										
CO 5:				EXPLAIN	• •						•			
				nvironmei	•		sessme	nt, and	d parti	cipatory	approa	ches in		
3.7	6.0	O 4 P/		valuations	s (C2, A									
		Os to PO												
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12		
CO 1				X X X X										
CO 2	X	X	X					X	X		X			
CO 3					X			X						
CO 4		X	X					X		X		X		
CO 5				x x x x x x x x										



Name of	f the Pro	gram:		M	laster of	Public I	Health					
Course	Title:			C	hronic d	liseases a	ınd disa	bility				
Course	Code: M	PH 552	2.1	C	ourse I	nstructo	r: Dr. k	Kumar S	Sumit			
Academ	ic Year:	2021-2	2	Se	emester	: Block	5-Fourtl	n week	of Mar	to First v	week of M	lay
No of C	redits: 3			P	rerequi	sites: Ml	PH Bloc	cks 1 to	4			
Synopsi	s: The	e course	will or	rient the	students	s on the	various	chronic	disease	es and the	eir burden	l
	affe	ecting tl	he hum	an popul	lation in	a global	contex	t. There	has bee	en a para	digm shif	t in the
	rec	ent past	from c	ommuni	icable to	non-coi	nmunic	able dis	eases. T	The disat	oilities	
	asso	ociated	with ch	ronic di	seases a	ffect hea	ılth statı	ıs as we	ell as the	e overall	economy	of the
	nat	ion										
Course	Outcome	es (COs	s): Or	n success	sful con	npletion o	of this c	ourse, s	tudents	will be a	able to	
CO 1:		To describe causes and burden of NCDs. (C2)										
CO 2:			To	explain	the var	ious met	hods of	detection	on and i	nanagen	nent of NO	CDs
			(C	3)								
CO 3:			To	describ	e the pr	eventive	measur	es for N	ICDs. (C2)		
CO 4:			To	explain	the imp	act of cl	ronic d	iseases	on the l	numan po	opulation	(C4)
Mappin	g of COs	to PO	S S									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X			X	X	X		X			X	
CO 2		X	X				X			X		X
CO 3	X				X	X		X	X	X		
CO 4	x x x											



Name of	f the P	Program: Master of Public Health Policies and Legislations in Maternal and Child Health												
Course	Title:				Policies :	and Leg	gislatio	ns in M	laterna	l and Ch	ild Heal	th		
Course	Code:	MPH 5	52.2		Course 1	Instruct	t or: Dr	Arathi 1	P Rao					
Academ	nic Yea	r: 2021	-2022		Block 5 -	– Fourth	ı week	of Mar	to First	week of	May			
No of C	redits:	3			Prerequi	isites: N	MPH su	bjects ii	n Block	s 1 to 4				
Synopsi	s:	The sub	ject of	policies	s and leg	gislation	in Ma	ternal a	and chil	d health	will acc	uaint the		
		students	s with th	e variou	ıs laws ar	nd princ	iples pu	it up by	the adn	ninistratii	ng bodies	and laws		
		of the la	and to e	nsure ac	ccess, ava	ailabilit	y, affor	dability	and ac	ceptabilit	y of mat	ernal and		
		child he	ealth se	rvices to	o ensure	optima	l perfo	rmance	from the	ne provid	der as w	ell as the		
	1	receiver	's end.											
Course	Outco	mes (Co	Os): (n succe	essful cor	npletion	of this	course	, studen	ts will be	e able to			
CO 1:			Γ	DESCRIBE the policies on mother and child health (C2)										
CO 2:			A	PPRAI	SE the na	ational l	nealth p	olicies	and pro	grams re	lated to I	ИСН		
			(C3)										
CO 3:			C	OUTLIN	E the in	nportant	compo	onents	conside	red while	e designi	ng MCH		
			S	chemes	and polic	cies (C2	.)							
CO4:			E	EXPLAI	N the dif	ference	betwee	n polici	es and	legislatio	ns and th	eir		
			r	equirem	ents for e	ensuring	g materi	nal and	child he	ealth serv	rices (C2))		
COs	PO 1	PO 2	PO 3	O 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO11 PO12										
CO 1	X			X X X										
CO 2		X	X	X		X	X		X	X		X		
CO 3	X				X			X		X	X			
CO4		X		x x x										



Name of	f the Pr	ogram:		M	aster of	Public I	Health					
Course	Title:			Н	ealth ca	re leade	ership					
Course	Code: N	MPH 55	2.3	Co	ourse In	structo	r: Dr Sa	njay Pa	ttanshett	y		
Academ	ic Year	: 2021-	2022	Bl	ock 5- F	ourth v	week of	Mar to	First w	eek of M	Iay	
No of C	redits: (3		Pr	erequis	ites: M	PH subje	ects in B	slocks 1	to 4		
	s: T	his co	urse wi	ll desc	ribe th	e role	of lead	dership,	leader	ship an	d mana	agement
	c	ompeter	ncies, j	principle	es and	practi	ces, ty	pes of	leade	ships,	designii	ng and
	c	ommuni	icating l	eadershi	ip strate	gies, and	d their a	pplication	ons in pu	ıblic hea	ılth. Thi	s covers
	tl	ne leade	ership sk	ills dev	elopme	nt in ef	fective 1	managei	ment of	team, s	takeholo	lers and
	c	onflict r	nanagen	nent in p	oublic he	ealth sys	tems.					
Course	Outcon	nes (CO	s): On s	successf	ul comp	oletion o	f this co	urse, stu	idents w	ill be ab	le to	
CO 1:			REC	COGNIZ	ZE the ro	oles, coi	npetenc	ies, and	guiding	principl	es and p	ractices
			of le	eadershi	p in pub	lic healt	h (C1, A	A 1)				
CO 2:		DEMONSTRATE the roles and responsibilities of a leader, leaders										
		approaches applicable to various public health problems and institutions										ons (C3,
			A1)									
CO 3:			DES	SCRIBE	the app	olication	of syst	ems thin	nking fra	amework	and m	odelling
			for p	oublic h	ealth pra	actice ar	d health	care lea	dership	(C2, A1))	
CO 4:			IDE	NTIFY	approp	riate le	adership	strate	gies for	various	s public	health
			scen	narios, a	nd comr	nunicati	ng durir	ng public	e health	crisis (C	(1, A1)	
CO 5:			ILL	USTRA	TE requ	iired lea	dership	skills fo	r effecti	ve mana	gement	of team,
			stak	eholders	s and co	nflict m	anagem	ent in pu	ıblic hea	lth syste	ems (C3,	A2)
Mapping	g of COs	to POs										
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1				X							x	
CO 2				X						X		X
CO 3				X	X		X	X	X		X	X
CO 4				X	X	X		X		X	X	X
CO 5	X	X	X	X			X		X			X



Name of the	Program:	Master of Public Health					
Course Title	:	Environmental Exposure Assessment and Control					
Course Cod	e: MPH 552.4	Course Instructor: Dr. Raj Narayanan Tiwari					
Academic Y	ear: 2021-2022	Block 5– Fourth week of Mar to First week of May					
No of Credit	ts: 3	Prerequisites: MPH subjects in Blocks 1 to 4					
Synopsis:	pollutions, their haza analyze the hazards ameliorated. Basic environmental sample methods used in the	delves into the understanding of various environmental ambiance rds and how they can be controlled. The student will be able to of this environmental pollution and derive how they can be concepts, historical perspective, observation and collection of es and testing will be discussed. Theory and practice of analytical e study of environmental sciences; data quality of objectives, chemical techniques used in measurement of environmental quality minants					
Course Out	comes (COs): On succe	essful completion of this course, students will be able to					
CO 1:		FY Impact of environmental exposures and their control logies (C2)					
CO 2:	COMPR pollution	EHEND the various techniques for control of environmental (C3)					
CO 3:		the used of the monitoring equipments and calibration techniques urement of environmental exposure (C3)					
CO 4:		LOP the ability to analyze the hazards of the environmental on and (C4)					
CO 5:		RATE routes and nature of exposures evaluate types of toxic the environment (C4)					

Mappir	ng of C	Os to P	Os									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X									X	
CO 2		X	X		X		X	X		X		X
CO 3	X				X				X			X
CO 4			X	X		X						
CO 5		X				X		X		X		X



Course Code: MPH 552.5 Course Instructor: Dr Navya Vyas	Name	of the l	Progran	n:		Maste	r of Pul	blic He	alth					
Academic Year: 2021-2022 Block 5 – Fourth week of Mar to First week of May No of Credits: 3 Prerequisites: MPH subjects in Blocks 1 to 2 Synopsis: The course would provide the knowledge of various concepts in public health emergencies and application of the same for the management of emergencies including outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters and preparedness readiness for the same. Course Outcomes (COs): On successful completion of this course, students will be able to CO 1: Recognize the significance of management of outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters (C2) CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x	Course	e Title:				Global	Public	Health	in Emer	gencies				
No of Credits: 3 Prerequisites: MPH subjects in Blocks 1 to 2	Course	e Code	: MPH	552.5		Course	e Instru	ıctor: I	or Navy	a Vyas				
Synopsis: The course would provide the knowledge of various concepts in public health emergencies and application of the same for the management of emergencies including outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters and preparedness readiness for the same. Course Outcomes (COs): On successful completion of this course, students will be able to CO 1: Recognize the significance of management of outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters (C2) CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COS PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x	Acade	mic Ye	ar: 202	1-2022		Block	5 – Fou	rth wee	k of Ma	r to First	week of	May		
emergencies and application of the same for the management of emergencies including outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters and preparedness readiness for the same. Course Outcomes (COs): On successful completion of this course, students will be able to CO 1: Recognize the significance of management of outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters (C2) CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x	No of	Credits	:: 3			Prereq	uisites	: MPH	subjects	in Block	xs 1 to 2			
outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters and preparedness readiness for the same. Course Outcomes (COs): On successful completion of this course, students will be able to Recognize the significance of management of outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters (C2) CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x	Synop	sis:	The c	ourse v	would p	rovide	the kr	nowledg	ge of va	arious c	concepts	in publi	c health	
radiological disasters and preparedness readiness for the same. Course Outcomes (COs): On successful completion of this course, students will be able to Recognize the significance of management of outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters (C2) CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x			emerge	encies a	nd appli	ication	of the sa	ame for	the man	agemen	t of eme	rgencies i	ncluding	
Course Outcomes (COs): On successful completion of this course, students will be able to CO 1: Recognize the significance of management of outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters (C2) CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x			outbrea	aks of	infecti	ous dis	seases,	enviro	nmental	hazard	s, nucle	ar disas	ters and	
CO 1: Recognize the significance of management of outbreaks of infectious diseases, environmental hazards, nuclear disasters and radiological disasters (C2) CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x			radiolo	gical di	isasters	and prep	paredne	ss readi	ness for	the sam	e.			
diseases, environmental hazards, nuclear disasters and radiological disasters (C2) CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x	Course	e Outco	omes (C	COs):	On succ	cessful	complet	tion of t	his cour	se, stude	ents will	be able to)	
CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x	CO 1:				Recogn	ize the	signifi	cance o	of manag	gement	of outbr	eaks of i	nfectious	
CO2: Describe the significance of incident command system for disaster mitigation (C2) CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x					-									
CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x														
CO 3: Appraise the significance of intersect oral coordination between public health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x	CO2:				Describ	e the	signific	ance of	fincide	nt com	mand sy	stem for	disaster	
health and security forces during a disaster (C2) CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x x x x x x x x x x					mitigati	ion (C2))							
CO 4: Describe the functioning of surveillance systems across the globe (C2) Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x	CO 3:				Apprais	se the s	ignifica	nce of	intersect	oral co	ordinatio	on betwee	en public	
Mapping of COs to POs COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x x					health a	and secu	ırity for	ces dur	ing a dis	aster (C	2)			
COs PO 1 PO 2 PO 3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12 CO 1 x x x x x x x x CO 2 x x x x x x x	CO 4:				Describ	e the fu	ınctioni	ng of su	rveillan	ce systei	ms acros	s the glob	e (C2)	
CO 1 x x x x x x x x x x x x x x x x x x	Mappi	ing of C	COs to 1	POs										
CO 2	COs	PO 1	PO 2	PO 3	3 PO 4 PO 5 PO 6 PO 7 PO 8 PO 9 PO 10 PO 11 PO 12									
	CO 1	X		X					X		X	X	X	
CO 3 x x x x x x x x x	CO 2				X	X	X		X	X	X		X	
	CO 3	X	X	X		X	X	X	X	X	X		X	
CO 4	CO 4		X	Х	X X									



Name of the Program:					Master of Public Health								
Course Title:					Certificate course on Global Health Security								
Course Code: MPH 561 Academic Year: 2021-2022					Course Instructor: Navya Vyas								
					Block 6 – Second week of May to Third week of June								
No of Credits: 3					Prerequisites: MPH subjects in Blocks 1 to 5								
Synops				ould provide the fundamental knowledge of various concepts of global health									
					se will also prepare students with requisite knowledge to identify the national Health Regulations in global health security.								
Course Outcomes (COs):				On successful completion of this course, students will be able to									
CO 1:				Describe the concepts of biosafety, biosecurity and one health (C2)									
CO 2:				Describe the reasons for sudden upsurge in the Emerging Infectious									
CO 3:				Diseases (EID) in recent past (C2) Describe about the different EIDs including their mode of transmission,									
CO 3.				incubation period and preventive measures (C1)									
CO 4:				Analyse the significance of the policy framework for global health security									
				and highlight how International Health Regulations (IHR), is providing a									
				unique legally binding framework to address international coordination to									
				prevent, detect and respond to public health threats. (C3, A1)									
CO 5:				Describe the significance of and introduction of Global Health Security									
				Agenda (GHSA) and the action packages constituted in it (C2)									
Mappi	ng of C	Os to Po	Os										
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1	X		X										
CO 2		X										X	
CO 3					x			X					
CO 4				X		X	X		X		X		
CO 5										X			



1 tallie o	or the i	Progran	n:		Master	of Pub	lic Heal	th				
Course	Title:				Certifi	cate c	ourse (on One	Healt	h and A	Animal	Human
					Interfa	ice						
Course	Code:	MPH :	562		Course	e Instru	ictor: [Dr. Praka	sh Nara	yanan		
Acaden	nic Ye	ar: 202	1-2022		Block-	6: Seco	ond wee	k of May	to Thi	rd week o	of June	
No of C	Credits	: 3			Prereq	uisites	: MPH	subjects	in Blocl	ks 1 to 5		
Synops	is:	The co	ourse wi	ll orien	t the st	udents	on One	e-health	approac	ch, and i	ts impor	ance in
		public	health.	Student	ts will	underst	and the	disease	transm	ission dy	namics l	etween
		human	and ar	nimals,	preven	tive an	d conti	rol meas	sures fo	or anima	l-human	disease
		transm	ission, c	outbreak	invest	igations	s and re	search i	n huma	n-animal	interacti	ons and
		disease	transmi	issions.	This is	a core	course f	for MPH	Global	Health sp	pecializat	ion.
Course	Outco	omes (C	COs):	On suc	ccessfu	l compl	etion of	this cou	rse, stu	dents wil	l be able	to
CO 1:				COMI	PREHE	ND the	basic co	oncepts a	ınd appr	oaches ir	One-hea	alth, and
				ability	to appl	ly the co	oncepts	in the de	tection,	control a	and preve	ntion of
				humar	n-anima	l infect	ions (C.	3, A2)				
CO 2:				UNDI	ERSTA	ND th	ne mar	nagemen	t and	prevent	ion of	disease
				transn	nission 1	betweei	n humar	n beings	and live	stock an	imals (C2	2, A2)
CO 3:				ILLUS	STRAT	E data	analysis	and sun	nmariza	tion of re	esults (C3	, A2)
CO 4:				DESIG	GN anii	mal hea	ılth surv	ey, DE	VELOP	tools for	r data co	llection,
				and T	EST the	hypoth	nesis (C	4, A3)				
Mappir	ng of C	COs to I	POs									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X		X							X	
CO 2		X	X		X		X	X		X		X
CO 3	X				X	X					X	
CO 4	X		X			X			X	X		X



Name of	the Pro	gram:	N	laster o	f Public	Health	1					
Course T	itle:		C	linical	research	n and E	thics					
Course C	Code: M	IPH 563	3.1	Course 1	Instruc	tor: Dr	Prakas	h Naray	yanan			
Academi	c Year:	2021-2	2022 B	lock-6:	Second	d week	of May	to Thi	d week	of June	;	
No of Cro	edits: 3		P	rerequ	isites: 1	MPH su	bjects i	n Blocl	xs 1 to :	5		
Synopsis	: The c	ourse o	n Clinio	cal rese	arch and	d Public	c health	researc	ch ethic	s enable	s Public	2
	Healt	h gradu	ates to	underst	and the	vital re	search	method	ology.	The trai	ned stud	dents
	will b	e able t	o conce	eptualiz	e clinic	al trials	and ski	ills to d	esign, r	nanage,	analyse	, and
	repor	t clinica	al resear	ch.								
Course O	outcom	es (COs	s): On	success	ful com	pletion	of this	course,	studen	ts will b	e able t	0
CO 1:			EXI	PLAIN	theoreti	ical and	practic	al unde	erstandi	ng of th	e issues	
			invo	olved in	the des	sign, co	nduct, a	nalysis	, and in	terpreta	tion of	clinical
			rese	arch (C	2, A2)							
CO 2:			DES	SCRIBI	E the gu	ideline	s related	d to inte	ernation	al regul	ations,	good
			clin	ical pra	ctices, a	and ethi	ical prac	ctices in	n clinica	al resear	ch (C2,	A2)
CO 3:			ILL	USTR A	ATE ran	domiza	tion an	d Grant	propos	sal prepa	aration a	and
			doc	umenta	tion for	Ethical	clearar	nces (C	3, A2)			
Mapping	of CO	s to PO	S									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X			X			X	X		X	
CO 2			x	X		X	X			X		X
CO 3	X				X			X		X		



Name of th	e P	rogram	1:	1	Master o	of Publi	c Healtl	n				
Course Tit	le:			(Global I	ssues in	Materi	nal and C	Child He	alth		
Course Co	de:	MPH 5	663.2		Course	Instruc	tor: Dr	P Arath	i Rao			
Academic `	Yea	r: 2021	-2022	1	Block 6	- Seco	nd weel	k of May	y to Thi	rd week	of June	
No of Cred	lits:	3]	Prerequ	isites:	MPH su	ıbjects in	Blocks	1 to 5		
Synopsis:		This co	ourse e	nables th	e stude	nt to c	ompreh	end the	various	health	issues re	lated to
		materna	al and c	hild healt	h acros	s the glo	be. Thi	is module	e will al	so inforn	n the stud	lents the
		various	initiati	ves taker	to enh	ance w	omen a	nd child.	Newly	develop	ed immu	nization
		strategie	es, em	phasis or	n adoles	scent h	ealth a	nd advai	nced ma	aternal c	are has	enabled
		develop	ed nat	ions to a	chieve a	a signif	icant p	rogress a	and sust	enance i	n health	indices.
		Improve	ement	of health	in the d	levelopi	ng natio	ons throu	igh a co	ntinuum	of care h	nas been
		the ager		WHO an								tion.
Course Ou	tco	mes (CO	Os):	On succes	ssful co	mpletio	n of thi	s course,	student	s will be	able to	
CO 1:				DESCRII	BE the s	significa	ince of	integratio	on of M	CH servi	ces for th	ne better
			:	implemer	ntation c	of the pr	ogram	in differe	ent settii	ngs (C1)	•	
CO 2:			-	EXPLAI	V the in	portan	ce of M	CH care	as an in	dispensa	ble priori	ity
				element f	or the a	ttainme	nt of SI	OG (C2)				
CO 3:				APPRAIS	SE the	various	health	issues a	nd circu	ımstance	s that ca	n cause
			:	mortality	and mo	orbidity	among	women	and un	der 5 ch	ildren in	various
				countries								
CO 4:				ILLUSTA				_			_	
				and to un								
CO 5:				DESCRII			,				al and chi	ild
		DC 5		health in	_		_	_			DC ::	DC 15
COs PO	1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1 x		X			X	X		Х			Х	
CO 2			X	X			X			X		X
CO 3 x				X	X	X		X	X	X		X
CO 4		X	X		X			X			X	
CO 5			X		X			X	X			



Name o	f the Pr	ogram:		M	laster of	Public I	Health						
Course	Title:			Н	ealth po	olicy reg	ulations	5					
Course	Code: 1	MPH 56	3.3	C	ourse In	structo	r: Dr Sa	njay Pa	ttanshett	ty			
Acaden	nic Yean	: 2021-2	2022	B	lock: 6-	Second	week of	May to	Third	week of	June		
No of C	redits:	3		Pı	rerequis	sites: Ml	PH subje	ects in B	locks 1	to 5			
Synopsi	is: T	his cour	rse will e	explain	the role	and impo	ortance o	of policy	regulat	ions in p	ublic he	alth, the	
	f	ramewo	rks witl	hin wh	ich hea	lth poli	cies be	ing ma	de, the	legal a	and con	nmunity	
	d	etermin	ants of p	oolicy re	egulation	ns, the ro	ole of la	w and g	overnan	ce in po	licy regi	ılations,	
	a	nd chall	enges ar	nd future	e of publ	ic health	policy i	regulatio	ons in In	dian and	Global	context.	
Course	Outcon	nes (CO	On :	successi	ful comp	oletion o	f this co	urse, stu	idents w	ill be ab	le to		
CO 1:			REC	COGNIZ	ZE the 1	oles, in	portance	e, and f	ramewo	rks publ	ic healt	h policy	
			regu	ılations	(C2, A1)							
CO 2:			Illus	strate th	e determ	ninants o	fpolicy	regulati	ons, and	the step	s to deve	elop and	
			imp	lement	policies	, the ro	les and	respons	ibilities	of a lea	ader, lea	adership	
			appı	roaches	applicab	ole to vai	rious pul	olic heal	th probl	ems and	instituti	ons (C3,	
			A1)										
CO 3:			DES	SCRIBE	E the int	ternation	al/globa	ıl regula	ations a	nd polic	ies mea	sures to	
			supp	ort the	ir impler	nentatio	ns (C2,	A1)					
CO 4:			REV	VIEW h	now hea	lth polic	y regula	ations a	re being	influen	ced in o	lifferent	
			sect	ors, and	l their in	nplicatio	ns (C2,	A1)					
CO 5:			ILL	USTRA	TE the	challen	ges in a	dopting	policy	regulatio	on meas	ures for	
			digi	tal and	technolo	gical ad	vanceme	ents in p	oublic he	ealth (C2	, A1)		
Mappin	ng of CO	Os to PC)s										
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	
CO 1											x	X	
CO 2		X	X		X					X		X	
CO 3	X		X	x									
CO 4			X	X			X	X		X		X	
CO 5		X				X	X		X			X	



Name o	f the P	rogram	ı:		Maste	r of Pub	olic Heal	lth				
Course	Title:				Occup	oationa	l and E	nvironme	ental Sa	fety		
Course	Code:	MPH 5	63.4		Cours	e Instr	uctor: I	Dr. Raj Na	arayanar	n Tiwari		
Acaden	nic Yea	r: 2021	-2022		Block	6– Seco	ond wee	k of May	to Third	d week of	f June	
No of C	redits:	3			Prere	quisites	: MPH	subjects i	n Blocks	s 1 to 5		
Synopsi	is:	This co	urse wi	ll consi	der the	range o	f impact	s on huma	an healtl	n, safety a	and welfa	re arising
		from w	ork act	ivities.	Effecti	ve inter	vention	s will be	explored	d in relat	ion to a v	variety of
		hazards	and th	e legisla	tion th	at contro	ols them	. Conside	ration is	also give	en to acci	dents and
		ill-healt	h withi	n the w	orkplac	e, unde	rstandin	g causatio	on and ap	ppropriat	e control	measures
	ı	as well	as pro	active	and rea	ctive m	onitorir	ng technic	ques and	d establis	shing occ	upational
		health s	urveill	ance sy	stem. S	pecific	causes o	of ill-healt	th will b	e conside	ered in de	tail.
Course	Outco	mes (Co	Os): C	n succe	essful c	ompleti	on of th	is course,	student	s will be	able to	
CO 1:			[]	DENTI	FY ap	propriat	te appr	oaches t	o prev	ention,	managen	nent and
			re	esolutio	n of pro	oblems	(C2)					
CO 2:			C	OMPR	EHENI	D occup	ational	safety and	d health	issues (C	23)	
CO 3:			K	NOW	the me	thods o	f acquir	ring, inter	preting	and anal	yzing inf	ormation
			a	nd data	with a	critical	unders	tanding o	f the ap	propriate	contexts	for their
			u	se in pr	actice (C3)						
CO 4:			D	EVELO	OP app	proache	s to pi	revention,	manag	gement a	and reso	lution of
			e	nvironn	nental a	and occu	ipationa	l health p	roblems	C4)		
CO 5:			11	LLUST	RATE	occupat	ional sa	fety and h	nealth pr	ograms ((C4)	
Mappin	g of C	Os to P	Os									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X									X	
CO 2												
CO 2		X	X		X		X	X		X		X
CO 3	X				X				X			X
CO 4			X	X		X						
CO 5		X				X		X		X		X
				<u> </u>								



Name	of the l	Progran	n:	Mas	ter of F	Public F	Health					
Course	e Title:			Glob	al Heal	th and A	Anthrop	oology				
Course	e Code	: MPH	563.5	Cou	rse Inst	tructor	: Dr Kı	ımar Su	mit			
Acade	mic Ye	ar: 202	1-2022	Bloc	k-6: Se	cond w	eek of	May to 7	Third we	ek of Ju	ne	
No of C	Credits	: 3		Prer	equisit	es: MP	H subje	cts in Blo	ocks 1 to	5		
Synops	sis:	The co	ourse wo	uld pro	vide th	e learne	er with	concepts	s and ski	lls of soc	cial and r	nedical
		anthro	pology a	nd appl	ication	of the s	same for	r manage	ement of	global he	alth issue	es.
Course	e Outco	omes (C	COs):	On succ	essful	complet	ion of t	his cours	se, studen	its will be	able to	
CO 1:				RECOC	GNISE	the basi	ic appro	oaches of	social a	nd medic	al anthro	pology
				in addre	essing tl	he globa	al healtl	n issues ((C2)			
CO2:				DESCR	IBE the	e dispar	rities, in	-equaliti	es, qualit	y of life a	and its in	fluence
				on glob	al healt	h (C3)						
CO 3:				APPRA	ISE th	e signi	ficance	of socia	al detern	ninants a	nd inter-	-twined
				•					cio-econ	omic and	d socio-p	olitical
						l health						
CO 4:								anthrop	ological	issues in	health s	system,
				illness a	and the	society	(C2)					
Mappii	ng of CO	Os to PC) s									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X	X			X	X	X		X	X	
CO 2				X					X			X
CO 3	X				X	X		X		X		
CO 4		X	X	X	X		X	X	X		X	X



Name of	f the Pr	ogram:		M	laster of	Public I	Health					
Course	Title:			In	ternshi	р						
Course	Code: 1	MPH 68	1	C	ourse Ir	structo	r: Dr Pı	akash N	larayana	ın		
Academ	ic Year	r: 2021-	2022	Se	econd ye	ear – Au	ıgust - S	Septeml	oer			
No of C	redits:	4		P	rerequis	sites: At	tended p	orevious	MPH B	locks		
Synopsi	s: 1	The aim	of the co	ourse is	to provi	de a me	aningful	learnin	g enviro	nment a	nd oppo	rtunities
	t	o learn a	bout pu	blic hea	lth in In	dia outs	ide a cla	ssroom	The co	urse ena	bles a st	udent to
	10	earn mo	re abou	t their o	chosen o	career p	ath in p	ublic he	alth. Tl	ne exper	ience ar	nd skills
	d	levelope	d throu	gh this	observa	itional i	nternshi	p can l	nelp the	student	s enhan	ce their
	u	ınderstar	nding in	public l	nealth re	search a	nd funct	ioning a	ind man	agement	of publi	c health
	p	rogramı	nes.	-							-	
Course	Outcon	nes (CO	s): On s	successf	ful comp	letion o	f this co	urse, stu	idents w	ill be ab	le to	
			·									1 11
CO 1:							_	ınd ma	nageme	nt of a	public	health
					organiz/							
CO 2:			DE	VELOP	skills to	do publ	ic healtl	n researc	ch (C5, A	A 3)		
CO 3:			ANA	ALYSE	the stre	ength an	d weak	ness of	a public	health	program	, public
			heal	th instit	ution (C	4, A2)						
CO 4:			PRE	EPARE	an interr	nship rep	oort (C3	, A2)				
Manning	r of CO	to DOs										
Mapping	gorcos	o to ros										
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X	X	X					X			
CO 2					X		X	X	X	X	X	X
CO 3	X	X	X									
CO 4	X	X	X			X	X					X



Name of	the Pr	ogram:		M	aster of	Public I	Health					
Course 7	Title:			Pı	roject w	ork						
Course (Code: N	MPH 69	9	C	ourse Ir	structo	r: Dr. P	rakash N	Varayana	an		
Academ	ic Year	: 2021-	2022	Se	econd ye	ear: Oct	ober-Ju	ly				
No of Cr	edits:	16		Pı	rereguis	sites: M	PH mod	ules Blo	cks 1 to	6 and Ir	nternshir)
Synopsis				_						nowledg		
			•						-	oublic he earch pro		•
			•			Ū		•		opriate i		
			-	-	-					Prepare		
				•						vity help		-
	ſ	•		•			•	Ū		gement		
		rogramı								501110111	or pwen	•
Course (ul comp	letion o	f this co	urse, stu	idents w	ill be ab	le to	
CO 1:			EOI	OMITT A	TE leave	- 41 i - /u				4.2)		
CO I:			FOR	KMULA	TE nyp	otnesis/i	esearcn	questio	ns (C4, A	A 2)		
CO 2:			SUN	MMARI	ZE exist	ting evic	lence (C	25, A3)				
CO 3:			DE	VELOP	appropr	iate met	hodolog	y and st	udy tool	s (C5, A	.2)	
CO 4:			AN	ALYSE	results,	and dev	elop Ma	nuscrip	t from th	eir resea	arch (C4	, A2)
CO 5:			PRE	EPARE (dissertat	ion / res	earch re	port (C	5, A3)			
Mapping	g of CC	Os to PC)s									
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	X	X	X	X					X			
CO 2					X		X	X	X	X	X	X
CO 3	X	X	X									
CO 4	X	X	X			X	X					X
CO 5				X		X	X		X			X



7. PROGRAM OUTCOMES (POs) AND COURSE OUTCOMES (COs) MAPPING

Course Code	Course Name	Credits	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
MPH 511	Basic Epidemiology	3	C01, C04	CO3	C02, C03	C01	C01	C2	C04	C04	C02	C02, C04	CO2	C04
DDS 518	Introductory Biostatistics for Health Administrators	2	C01, C03	CO4	C02	CO1	C01, C03, C04	CO2	C02	C01, C03	C05	C02, C03	C01	C02
MPH 512	Environmental and Occupational Health	3	C01, C03	CO1	C02	CO1	C01, C03	CO1	C02	C01, C03	CO1	C02, C03	C01	C02
MPH 521	Applied Epidemiology	3	CO1, CO3	CO1, CO2, CO5	CO2, CO4	CO1, CO4	CO2, CO3	CO4, CO5	CO2, CO3	CO3,	CO3	CO4, CO5	CO4	CO3,
DDS 528	Inferential biostatistics for health administrators	2	C01, C03	CO4	C02	CO1	C01, C03, C04	CO2	C02	C01, C03	C05	C02, C03	C01	C02
MPH 522	Social and Behavioural Sciences and Qualitative Methods	2	C01, C03	CO2	C02	CO3	C01, C03	C03	C02	C01, C03	CO1	C02, C03	C01	C02
MPH 671	Health policy approaches in global context	2	CO1, CO3	CO1, CO3	CO1, CO3	CO4, CO1	CO5, CO2		CO7, CO2	CO8,	CO9, CO1, CO2	CO10, CO2	CO11,	CO2



MPH	Research Methodology, Data Collection, and	3	CO1,	CO1,	CO2,	CO4	CO2,	CO4,	CO2	CO2,	CO9	C05	CO1,	CO2, CO3,
531	Management	3	CO3	CO2,	CO4	CO4	CO5	CO5		CO8	CO9	C03	CO5	CO5
MPH	Principles of	3	CO1,	CO4	CO1,	CO2	CO3	CO3	CO4	CO1,	CO2	CO1,	CO1,	CO1,
532	Communication		CO3		CO3,					CO3		CO3	CO3	CO3
MPH	Health Service		CO1,	CO2,	CO1,		CO2,			CO1,		CO2,		
533	Administration and	3	CO3	CO4	CO3,	CO4	CO3	CO4	CO2	CO3,	CO1	CO3	CO1	CO2
	Management		003		CO4					CO4		003		
MPH	Project design and		CO1,	CO1,	CO1,				CO7.		CO1,			
672	principles of management of	2	CO3	CO3	CO3	CO1	CO2		CO2	CO2	CO2	CO2	CO2	CO2
072	global health		CO3	CO3	CO3				CO2		CO2			
MPH	Infectious Disease and	3	CO1	CO4	CO1	CO2	CO1	CO3	CO4	CO2,	CO2	CO1,	CO1	CO1
541.1	Surveillance		COI	CO4	COI	CO2	COI	003	CO4	CO3	CO2	CO3	COI	COI
MPH	Basics of Maternal and	3	CO1,	CO1,	CO2,	CO4	CO2,	CO4	CO2	CO2,	CO3,	CO2,	CO1	CO4
541.2	Child Health	3	CO3	CO2,	CO4	001	CO3	201	002	CO4	CO4	CO4		201
MPH	Healthcare Innovation	3	CO1,	CO1,	CO2	CO1	CO2,	CO3	CO2	CO2	CO3	CO2	CO1	CO2
541.3	Treatment innovation	3	CO3	CO2	002	COI	CO3	003	002	002	003	CO2		202
MPH	Environmental and		CO1,	CO1,	CO2,		CO2,	CO4,		CO2,		CO2,		CO2,C
541.4	occupational toxicology	3	CO3	CO2,	CO4	CO4	CO3	CO5	CO2	CO5	CO3	CO5	CO1	O3,CO
371.7	occupational toxicology		203	CO5	204		003	203		203		203		5
MPH	Health Economics	3	CO1	CO3	CO3	CO2,	CO1	CO3,	CO4	CO1,	CO5	CO5	CO3,	CO4
542	Treath Leononnes	3	CO1		CO3	CO4	COI	CO5		CO3	CO3		CO5	



MPH 543.1	Nutritional Epidemiology	3	CO1, CO3	CO2, CO5	CO2, CO4	CO3	CO1, CO3, CO4	CO2	CO2	CO1, CO3, CO4	CO1,	CO2, CO3	CO1, CO4	CO3
MPH 543.2	Demography and Population Science	3	CO1, CO3	CO1, CO2, CO4	CO2, CO4	CO4	CO2, CO3	CO4	CO2	CO2, CO4	CO3,	CO2, CO4	CO1	CO4
MPH 543.3	Health System and policy research	3	CO1	CO2	CO2, CO3	CO2	CO2, CO3	CO3	CO2	CO1, CO2	CO3	CO2, CO3	CO1, CO3	CO2, CO3
MPH 543.4	Industrial hygiene and health	3	CO1, CO3	CO1, CO2, CO5	CO2, CO4	CO4	CO2, CO3	CO4, CO5	CO2	CO2, CO5	CO3	CO2, CO5	CO1	CO2,C O3,CO 5
MPH 551	Public Health Intervention Program Monitoring and Evaluation	3	CO2	CO2, CO4	CO2, CO4	CO5	CO1, CO3	CO5	CO1, CO5	CO1, CO2, CO3, CO4, CO5	CO2, CO5	CO1, CO4, CO5	CO2, CO5	CO1, CO4, CO5
MPH 552.1	Chronic Disease and Disability	3	CO1, CO3	CO2	CO2, CO4	CO1	CO1, CO3, CO4	CO1, CO3	CO2	CO1, CO3, CO4	CO3,	CO2, CO3	CO1	CO2
MPH 552.2	Policies and Legislations in Maternal and Child Health	3	CO1, CO3	CO2, CO4	CO2	CO2	CO1, CO3	CO4	CO2	CO1, CO3	CO4	CO2, CO3	CO1, CO3	CO2, CO4



MPH 552.3	Healthcare Leadership	3	CO5	CO5	CO5	CO1, CO2, CO3, CO4,	CO3, CO4	CO4	CO3, CO5	CO3, CO4	CO3, CO5	CO2, CO4	CO1, CO2, CO3, CO4	CO2, CO3, CO4, CO5
MPH 552.4	Environmental exposure assessment and control	3	CO1, CO3	CO1, CO2, CO5	CO2, CO4	CO4	CO2, CO3	CO4, CO5	CO2	CO2, CO5	CO3	CO2, CO5	CO1	CO2,C O3,CO 5
MPH 552.5	Global Public Health in Emergencies	3	CO1, CO3	CO3,	CO1, CO3, CO4	CO2	CO2, CO3	CO2, CO3	CO3,	CO1, CO2, CO3	CO2, CO3	CO1, CO2, CO3	CO1	CO1, CO2, CO3
MPH 561	Certificate course on Global Health Security	3	CO1	CO2	CO1	CO4	CO3	CO4	CO4	CO3	CO4	CO5	CO4	CO2
MPH 562	Certificate course on One Health and Animal Human Interface	3	CO1, CO3, CO4	CO1, CO2	CO2, CO4	CO1	CO2, CO3	CO3, CO4	CO2	CO2	CO4	CO2, CO4	CO1, CO3	CO2, CO4
MPH 563.1	Clinical Research and Ethics	3	CO1, CO3	CO1	CO2	CO2	CO1, CO3	CO2	CO2	CO1, CO3	CO1	CO2, CO3	CO1	CO2
MPH 563.2	Global issues in Maternal and Child Health	3	CO1, CO3	CO1, CO4	CO2, CO4, CO5	CO2, CO3	CO1, CO3, CO4, CO5	CO1, CO3	CO2	CO1, CO3, CO4, CO5	CO3,	CO2, CO3	CO1, CO4	CO2, CO3



MPH 563.3	Health Policy Regulations	3	CO3	CO2, CO5	CO2, CO3, CO4	CO4	CO2	CO3, CO5	CO4, CO5	CO3, CO4	CO3,	CO2, CO4	CO1, CO3	CO1, CO2, CO3, CO4,
MPH 563.4	Occupational and environmental safety	3	CO1, CO3	CO1, CO2, CO5	CO2, CO4	CO4	CO2, CO3	CO4, CO5	CO2	CO2, CO5	CO3	CO2, CO5	CO1	CO2,C O3,CO 5
MPH 563.5	Global Health and Anthropology	3	CO1, CO3	CO1, CO4	CO1, CO4	CO2, CO4	CO3,	CO1, CO3	CO1, CO4	CO1, CO3, CO4	CO2, CO4	CO1, CO3	CO1, CO4	CO2, CO4
MPH 681	Internship	4	CO1, CO3, CO4	CO1, CO3, CO4	CO1, CO3, CO4	CO1, CO5	CO2	C04, CO5	CO2, CO4, CO5	CO2	CO1, CO2, CO5	CO2	CO2	CO2, CO4, CO5
MPH 699	Project work	16	CO1, CO3, CO4	CO1, CO3, CO4	CO1, CO3, CO4	CO1,	CO2	C04, CO5	CO2, CO4, CO5	CO2	CO1, CO2, CO5	CO2	CO2	CO2, CO4, CO5