

Ordinance and Syllabus

(With Effect from Academic Session 2020-2021 Onwards)

Master of Public Health (Community Medicine)



UGC-Centre for Advanced Studies in Social Work

Faculty of Arts

University of Lucknow

Lucknow, India

2020



Ordinance and Syllabus
Master of Public Health (Community Medicine)
Department of Social Work, University of Lucknow
2020

Choice Based Credit System (CBCS) Template for P.G. Programme

Master of Public Health (Community Medicine)

1. Introduction

The Master of Public Health (Community Medicine) post graduate programme is designed to train health care professionals in the application of theories and methods of social and behavioural sciences to address public health issues. Students are provided with the knowledge to understand the importance of social and behavioural sciences for the health of individuals and communities and the skill to apply this knowledge in the analysis and formulation of public health programmes and policies. It also gives the health care professionals exposure and training for the better implementation of health care programmes and policies. This programme is designed with the objective for making health care services meaningful to the people of the country and developing a better understanding of health problems and health needs of the community. It also finds out the feasible solutions existing in the social structure and to enquire about the social constraints which limit the scope of health interventions.

This programme prepares the student to become a public health professional through classroom teaching and field work practicum. The programme also covers various dimensions such as demographic history, medical sociology, medical anthropology, epidemiology, health economics, policy planning and management, challenges and opportunity in health care delivery, health legislations, public health & clinical nutrition, research methodology, medical & psychiatric social work etc. This task obviously requires an inter-disciplinary approach involving disciplines such as sociology, anthropology, psychology, economics, management, history, politics, demography, statistics, organizational behavior and public administration apart from the disciplines that are traditionally included in public health.

It caters to the increasing demand for public health professionals in public and private health sectors at national and international level. This programme provides a platform for students to enrich their knowledge, skills and aptitude required to address the existing public health challenges.

2. Mission

The mission of the programme is to prevent disease, promote health, and protect the well-being of the public through education, research and services. This program has been specially designed

to meet the ever increasing demand for well-trained public health professionals with advanced & appropriate skills and knowledge to plan and implement innovative public health policies and programs from grass root level till policy level.

3. Vision

The vision of this programme is to work in the field of public health and to be exemplary health professionals who are able to integrate and apply the knowledge basic to public health and perform its core functions towards improving people's health and well-being.

4.1. Programme Objectives

The Master of Public Health (Community Medicine) programme aims to train human resources in the field of public health by providing an understanding of the health determinants, health care system, influences of globalization, urbanization, industrialization, global and national policies and a strong foundation in research methodology in the context of community medicine and its application in holistic development of the community.

4.2. Specific Objectives of the Programme

- i. To impart deeper knowledge and skills in public health and community medicine and provide professionals to apply the knowledge of public health in the holistic development of community
- ii. To stimulate and encourage integration of theory and practice in the fields of public health and to promote leadership qualities and effective communication skills for health advocacy among students.
- iii. To prepare students in programme organization and management, problem solving, critical thinking in terms of disease prevention and health promotion & prevention at various levels.
- iv. To prepare students to work in socially, culturally and economically diverse populations by being attentive to the needs of the vulnerable and disadvantaged groups and well versed with existing health systems.

5. About the Degree

5.1 Degree: Degree means Post Graduate degree.

5.2 Title of the degree: Master of Public Health (Community Medicine)

5.3 Duration of the course: The total duration of the course will be two academic years consisting of 1st semester and 2nd semester in the first year and 3rd semester and 4th semester in the second year.

6. Programme Description

There shall be a total of 100 credits for Master of Public Health (Community Medicine) post graduate programme which is spread over four semesters in two academic years. There are Sixteen Core Courses (68 credits) including Field Work Practicum and Research Based

Dissertation. Four Discipline Specific Courses (16 Credits), Two Generic / Open Elective/ Massive Open Online Courses (MOOCs) Courses (8 Credits), Two Ability/ Skills Enhancement/ Value Added/ MOOC Courses (08 Credits). Each student is required to complete Public Health Internship/Block Placement training / Co-Curricular /Extra Curricular and Field Exposure Visits (non-credits) as part of this programme.

7. Eligibility Criteria and Admission Procedure

7.1 Eligibility Criteria

Admission to the **Master of Public Health (Community Medicine)** post graduate programme shall be open to those applicants having a Bachelor Degree in any Discipline (any Graduate) of this University or of any other statutory recognized University as equivalent to the Bachelor Degree(10+2+3) of University of Lucknow, with at least 45% marks for General category & Other Backward Castes (OBC) and relaxation of 5% in case of Schedule Caste/Schedule Tribe/Person with Disability (SC/ST/PWD) category.

The eligibility criteria for admission would be as per university norms.

7.2 Admission Procedure

- i. The Admission procedure will take place as per the guidelines of University of Lucknow in this regard. Application is completely online, for details please visit our website www.lkouniv.ac.in.
- ii. The course curriculum for the written test can be availed from our University website.
- iii. Students clearing the written test based on the merit shall be allowed to appear for the Admission.
- iv. Applicants must be accompanied with typed true copies of the required documents at the time of admission such as -
 - a. High School/ Intermediate Marksheets and Certificates, Degree Marksheets of All Years/Semesters,
 - b. UE/CE Certificate from the Registrar, University of Lucknow/Principal of the College or any weightage certificate if required,
- v. The Department/University reserves the right to refuse the admission to any student found unsuitable without assigning any reason.
- vi. Admission of the applicant will be finalized to 1st Semester only after the satisfactory performance in various tests as per merit.
- vii. The applicant who has passed 1st Semester shall be eligible for admission to 2nd Semester subject to University rules.
- viii. The applicant who has passed 2nd Semester shall be eligible for admission to 3rd Semester subject to University rules.
- ix. The applicant who has passed 3rd Semester shall be eligible for admission to 4th Semester subject to University rules.

8. Pedagogy of the Programme

During the two years of Master of Public Health (Community Medicine) programme, lecture cum discussion, brain storming, case study analysis and discussion, peer group discussions, interactive/facilitated discussions, class instruction, individual & group conferences (students' seminars), field exposure visits, community exposure visits, non-credit trainings, orientation programme, extension, field based assignments or experience sharing/field instruction/lectures by guest or visiting faculties and practitioners, exposure tours of information technology in teaching-learning process, skill workshops, opportunity to attend seminar and conferences, career guidance, induction/exit/follow-up meeting etc. constitute the pedagogy of the course.

In addition, the Department will organize seminars, workshops, cultural programmes, peer group interactions, special lectures etc. for the students to develop professional competencies among them.

9. Number of Seats

There are 40 seats in **Master of Public Health (Community Medicine)** programme. All the seats are of self-financing mode.

10. Fee Structure

The fees for the tuition, examination, field work practicum, field exposure fee and other fees shall be as prescribed by the University from time to time for Self-Financing programmes.

11. Evaluation Criteria

- a) The medium of instruction shall be English and/or Hindi as University of Lucknow permits the students to write examination answer books in English or Hindi and no other language.
- b) Examinations shall be conducted at the completion of all units in each paper of a semester as per the academic/examination calendar notified by the University of Lucknow.
- c) Candidate shall have to pass theory, CIA and social work practicum examination separately.
- d) Each theory paper will be valued for 100 marks, out of which 70 marks will be for end-semester written examinations and 30 marks are for Continuous Internal Assessment (CIA). For Continuous Internal Assessment (CIA) in each paper, the following method will be followed:

Continuous Internal Assessment (CIA)		
S. No.	Components	Marks
1.	Written Unit Test	15 marks
2.	Presentation and Hand Written Submission of Assignment	10 marks
3.	Attendance*	05 marks
Total		30 marks

(* Note: As far as the marks of attendance for internal assessment is concerned, below 75% = 0 marks; From 75% to below 85% = 1 mark; From 80% to below 85% = 2 marks; From 85% to below 90% = 3 marks; From 90% to below 95% = 4 marks; and 95% and above = 5 marks shall be awarded. ** In Field Work Practicum 100 percent attendance shall be compulsory.)

- For Continuous Internal Assessment (CIA), the schedule of conduct of written unit test, presentation sessions and/or submission of written assignment will be announced among the students well in advance by each respective faculty member. After completion of internal assessment, the related records including award lists should be submitted in the Department as per University norms.

COURSE STRUCTURE

Semester	Core Course (CC)	Discipline Specific Course (DSE)	Generic/ Open Elective Course (GE/OE) / MOOC	Ability Enhancement/ Skills Enhancement / Value Added Course / MOOC	Non-Credit Field Exposure Visit/ Public Health Internship / Extra / Co-Curricular Activities	Total Courses
Sem. I	04	01	-	01	Excellent/ Good/Fair (to be awarded)	06
Sem. II	04	01	-	01		06
Sem. III	04	01	01	-		06
Sem. IV	04	01	01	-		06
Total	16	04	02	02		24

CREDIT STRUCTURE

Semester	Core Course (CC)	Discipline Specific Course (DSE)	Generic/ Open Elective Course (GE/OE) / MOOC	Ability Enhancement/ Skills Enhancement / Value Added Course / MOOC	Non-Credit Field Exposure Visit/ Public Health Internship/ Extra / Co-Curricular Activities	Total
Sem. I	16	04	--	04	Excellent/ Good / Fair (to be awarded)	24
Sem. II	16	04	--	04		24
Sem. III	16	04	04	--		24
Sem. IV	20	04	04	--		28
Total	68	24	08	08		100

Semester Wise Course Structure

SEMESTER -I

Course	Course code	Title of the course	Credits	Marks		
				CIA	Theory	Total
CC 101	PHCM	Public Health and Community Medicine	4	30	70	100
CC102	CHAD	Concept of Health and Disease	4	30	70	100
CC 103	GEEM	General Epidemiology and Epidemiological Methods	4	30	70	100
CC 104	FWP	Field Work Practicum (Orientation, Observational visits of public health settings, Open Community Visits and Rural Camps)	4	30	70	100
Discipline Specific Elective Course (Select any ONE)						
DSE 105 A	EWSH	Environment, Water, Sanitation and Health	4	30	70	100
DSE 105 B	BLS	Basics of Life Sciences	4	30	70	100
Ability Enhancement/ Skills Enhancement / Value Added Course (Select any ONE)						
AE/SE 106 A	GAD	Gender And Development	4	30	70	100
AE/SE 106 B	GAH	Genetics and Health				
AE/SE 106 C	MOOCs	Approved by Department or University or UGC (Certificate is Required)				
Credits in Semester I			24			600

SEMESTER-II

Course	Course code	Title of the course	Credits	Marks		
				CIA	Theory	Total
CC 201	RMBCA	Research Methodology, Biostatistics & Computer Application	4	30	70	100
CC202	SACH	Sociology and Community Health	4	30	70	100
CC 203	HECI	Health Education, Communication and Information	4	30	70	100
CC 204	FWP	Field Work Practicum (Orientation, Nutritional assessment study, community visits, Rural/Slum camps)	4	30	70	100
Discipline Specific Elective Course (Select any ONE)						
DSE 205 A	PHCN	Public Health and Clinical Nutrition	4	30	70	100
DSE 205 B	MPSW	Medical and Psychiatric Social Work	4	30	70	100
Ability Enhancement/ Skills Enhancement / Value Added Course (Select any ONE)						
AE/SE 206 A	HHAW	Happiness Health And Wellness	4	30	70	100
AE/SE 206 B	HSD	Human and Sustainable Development				
AE/SE 206 C	MOOC	Approved by Department or University or UGC (Certificate is Required)				
Credits in Semester II			24			600

SEMESTER-III

Course	Course code	Title of the course	Credits	Marks		
				CIA	Theory	Total
CC 301	ESDME	Epidemiology of Specific Diseases and Medical Entomology	4	30	70	100
CC 302	DFWFP	Demography, Family Welfare & Family Planning	4	30	70	100
CC 303	HPAM	Health Planning, Administration and Management	4	30	70	100
CC 304	FWP	Field Work Practicum	4	30	70	100
Discipline Specific Elective Course (Select any ONE)						
DSE 305 A	HBAH	Human Behaviour and Health				
DSE 305 B	ELIPH	Ethical and Legal Issues in Public Health	4	30	70	100
Ability Enhancement/ Skills Enhancement / Value Added Course (Select any ONE)						
AE/SE 306 A	RMPM	Resource Mobilization and Project Management				
AE/SE 306 B	CCAP	Counseling, Communication and Psychotherapy	4	30	70	100
AE/SE 306 C	MOOC	Approved by Department or University or UGC (Certificate is Required)				
Credits in Semester III			24			600

SEMESTER-IV

Course	Course code	Title of the course	Credits	Marks		
				CIA	Theory	Total
CC 401	RMNCHA	Reproductive, Maternal Neonatal, Child Health and Adolescents	4	30	70	100
CC 402	SROH	School, Rural and Occupational Health	4	30	70	100
CC 403	FWP	Field Work Practicum	4	30	70	100
CC 404	RBD	Research Based Dissertation	8	60	140	200
Discipline Specific Elective Course (select any ONE)						
DSE 405 A	PHEDM	Public Health Emergencies and Disaster Management	4	30	70	100
DSE 405 B	CGMHADA	Community Geriatrics, Mental Health, Alcoholism and Drug Addiction	4	30	70	100
Ability Enhancement/ Skills Enhancement / Value Added Course (select any ONE)						
AE/SE 406 A	PPSFH	Personality and Psycho-somatic Factors of Health	4	30	70	100
AE/SE 406 B	BCAMMP	Basic Concepts On Alternative Systems Of Medicine And Medical Pluralism				
AE/SE 406 C	MOOCs	Approved by Department or University or UGC (Certificate is Required)				
Credits in Semester IV			28			700

11. Field Work Practicum

- a. In addition to the theory papers, there shall be field work practicum during each of the four semesters. The contents of field work practicum shall vary from semester to semester, as indicated in the programme structure.
- b. A weekly individual conference of at least 30 minutes per student, related to field work of each student, shall be conducted by the field work teacher/supervisor. In addition, the supervisor may also conduct group conference, of students placed under his/her supervision. The student shall be required to maintain a record of such individual and group conferences.
- c.
- d. Concurrent Field Work shall be evaluated internally by the assigned Field Work Teacher/Supervisor, during each semester.
- e. It shall be mandatory for each student to appear for an External Viva Voce in Field Work Practicum in each Semester. Such external viva voce shall be conducted by an external examiner who is appointed by the University.
- f. Organizing the evaluation of students after completion of their field work practicum of each semester shall be the responsibility of the Department. As far as field work practicum is concerned, during each semester, there shall be internal evaluation by Internal Faculty supervisor and External Evaluation in the form of a viva voce shall be conducted by an external examiner appointed by the University.
- g. During each semester, the students should be evaluated using the field work documents and observation and assessment of the Faculty Supervisor, using appropriate evaluation formats. The concerned supervisor is required to certify that the student has completed all the components of the Field Work Practicum.
- h. After the faculty supervisor certifies that the student has completed all the components of the FieldWork Practicum, the head of the Department shall certify that the student is fit to appear for viva voce.
- i. After the evaluation is over, the marks shall be sent to the University by the head of the Department, as per University norms.
- j. The documents related to field work and field work evaluation shall be preserved by the institution for a period of minimum one year after completion of the course.
- k. Field Work Practicum assessment marks (both internal and external) shall be awarded keeping in view the following break-up –

Field Work Practicum				
Semester	Code	Basis	Marks	Total Marks
Semester-I	FWP	Orientation, Observational Visits in public health settings, open community visits	20	100
		External Viva Voce	50	
		Continuous Internal Assessment -		
		• Individual Conference	10	
		• Group Conference	10	
		• Skill Laboratory Workshop (Two)	10	

Semester-II	FWP	Orientation, Clinical Nutritional Assessment, Open community visits	20	100
		External Viva Voce	50	
		Continuous Internal Assessment -		
		<ul style="list-style-type: none"> • Individual Conference • Group Conference • Skill Laboratory Workshop (Two) 	10 10 10	
Semester-III	FWP	Orientation, Public health interventions, Open community visits, Rural camps	20	100
		External Viva Voce	50	
		Continuous Internal Assessment -		
		<ul style="list-style-type: none"> • Individual Conference • Group Conference • Skill Laboratory Workshop (Two) 	10 10 10	
Semester-IV	FWP	Orientation, Public Health Interventions, Open Community Visits, Rural Camps	20	100
		External Viva Voce	50	
		Continuous Internal Assessment -		
		<ul style="list-style-type: none"> • Individual Conference • Group Conference • Skill Laboratory Workshop (Two) 	10 10 10	

12. Research Based Dissertation

- a) In addition to theory papers and field work practicum, each student shall be required to undertake an independent research work and prepare a dissertation based on primary data, during the 4th Semester. The topic of such research dissertation shall be relevant to the public health issues and shall be finalized only after the approval of the department. No change in the dissertation topic will be made without prior approval of the university.
 - a. Each student shall be supervised in their research based dissertation by faculty member from the Department. Periodic individual conference, related to research dissertation of each student, shall be conducted by the field work teacher/supervisor. The teacher/supervisor may also conduct group conference of students placed under his/her supervision.
 - b. Each student shall be required to take part in Class Room Presentations in the context of research based dissertation. Assignments regarding such presentations shall be related to the research methodology and tools of research being developed by the student. The student who fails to take part in such class room presentations shall forfeit the marks earmarked for such activity.
- Such research based dissertation shall be based on quantitative research methods. However, a mixed-method approach, making use of both quantitative and qualitative data is also permissible. The sample size for quantitative research shall not be less than 50

respondents and Not less than **180 hours** shall be spent by the student for such research dissertation.

- Independent passing in Research Based Dissertation is mandatory for passing the 4thSemester. Those who fail in Research Based Dissertation shall be required to repeat and pass Research Based Dissertation.
- a. It shall be mandatory for each student to appear for an External Viva Voce in Research Based Dissertation during the 4thSemester.
- b. The Research Based Dissertation carries 200 marks and shall be assessed both internally (100 marks) and externally (100 marks). For external evaluation there will be a report evaluation, presentation and viva voce at the end of fourth semester.
- c. Research Based Dissertation assessment marks (both internal and external) shall be awarded keeping in view the following break-up –

Semester	Code	Basis	Marks	Total Marks
Semester IV	RBD	Internal		200
		Periodic Individual Conference	25	
		Periodic Group Conference	25	
		Class Room Presentation	50	
		External		
		Dissertation Evaluation	50	
		Dissertation Based Viva Voce	50	

Semester Wise Course Structure

Semester – I

Title of Course	:	Public Health and Community Medicine
CC/DSE/GE/VA	:	CC 101
Course Code	:	PHCM
Year	:	First
Level	:	First Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To learn the concept of community medicine. ○ To understand the concepts and development of public health. ○ To understand the dimension of community medicine and public health and their application in the health care of the community.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learned the concept of ancient medicine. ○ Students would have learned the concept and development of public health. ○ Students would have clear understanding of dimensions of medicine and health care.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interactions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance.
Course Content		
Unit-1	Introduction to Medicine in Ancient Times	
1.1	Medicine in Ancient Times	
1.2	Community Health: Concept, definition, Brief history, tools of community health	
1.3	Father of medicine and Dark Age of Medicine	
Unit -2	Dimensions of Medicine	
1.1	Community Medicine: Meaning, Definition, History, Goals and Objectives,	
1.2	Distinction between Clinical Medicine and Community Medicine	
1.3	Social control of medicine, Population Medicine, Community Diagnosis	
1.4	Preventive Medicine, Curative Medicine, Protective Medicine , Social Medicine	
Unit -3	Introduction to Public Health	
1.1	Public Health: Meaning, Concept, Definition, Objectives, Current Status	
1.2	Changing concepts in public health	
1.3	Current Status of public health in India	
1.4	Challenges to public health	
Unit-4	Process of Development of Public health	
1.1	Revival of medicine	
1.2	Rise of Public Health, Sanitary Awakening	
1.3	Germ theory of disease, Preventive medicine ,Failure of medicine	

Unit -5	Health Care of the community
1.1	Health Care : Concepts, Levels, and Salient Features of Health Committees of Global and National levels
1.2	Health for All, Millennium Development Goals, Sustainable Development Goals, Concept of National Health Mission
1.3	

Core Readings/References

- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi

Additional Readings /References

- Carol Holtz, Global Health Care:Issues& Policies Jones and Bartlett Publisher, USA 2008.
- F. Douglas Scutchfield, C. William Keck, Principles of Public Health Practice.
- G.R. Krishnamurthy, A.K. Singh, S. K. Bajpai- Indian Health Scenario (Perspectives and Dimensions) Serial Publication.
- ImranaQadeer-Public Health in India (2011) Danish Books.
- J. S. Mathur- A Comprehensive Textbook of Community Medicine, CBS Publisher and Distributors 2008
- James F. Mckenzie, Robert R. Pinger, Jerome E. Kotecki, An Introduction to Community Health (Fifth edition) Jones and Bartlett Publisher, USA 2005.
- Mary Jane Schneider, Introduction to Public Health, Jones and Bartlett Publisher, USA 2004
- Oxford Textbook Of Public Health Fifth Edition, Volume 2- Methods Of Public Health, Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxforduniversity Press 2009
- Oxfordtextbook Of Public Health Fifth Edition (Volume 3-The Practice Of Public Health) , Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxforduniversity Press 2009
- The New Public Health , Second Edition, Theodore H. Tulchinsky, Elena A. Varavikova 2009 , Academic Press
- Oxford Textbook Of Public Health Fifth Edition, Volume 2- The Scope Of Public Health, Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxford University Press 2009

Title of Course	:	Concept of Health and Disease
CC/DSE/GE/VA	:	CC 102
Course Code	:	CHAD
Year	:	First
Level	:	First Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To understand the history of medicine and holistic concept health and diseases. ○ To understand the various levels of prevention and intervention. ○ Students will comprehend concepts related to health promotions and disease prevention to enhance health. ○ Students will know and understand the most common health risks and importance of protecting themselves and surroundings from diseases.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would get knowledge about the history of medicine and holistic concept health and diseases. ○ They would also develop understanding about various levels of prevention and intervention and it is important that you always protect yourself and surrounding from diseases.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance.
Course Content		
Unit -1		Introduction to Health
1.1		Basic Concepts of health, Definition, Positive health, Spectrum of health
1.2		Dimensions of Health
1.3		Health and Development
Unit -2		Determinants and Indicators Health
1.1		Determinants of Health
1.2		Indicators of Health: Concept characteristics and types, Mortality Indicators, Morbidity indicators
1.3		Indices used in measurement of health Indicators
1.4		Difficulties in Measurement of Health Indicators
Unit -3		Introduction to the concept of Disease
1.1		Disease – Concept, classification, Spectrum of Disease
1.2		Factors responsible for Disease
1.3		Web of causation and natural History of disease
1.4		Control and Prevention of Diseases
Unit -4		Health Promotion And Prevention
1.1		Changing Pattern Of Disease
1.2		Global burden of disease
1.3		Concept of prevention , levels of prevention
1.4		Modes of intervention
Unit -5		Health System Reforms
1.1		Changing concepts of health in new millennium
1.2		Assessing health needs

1.3	Health as investment
1.4	Cashless health insurance

Core Readings/References

- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

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- Carol Holtz, Global Health care:Issues& Policies Jones and Bartlett Publisher, USA 2008
- Surendra Singh, P.D. Mishra, Health and Disease: Dynamics and Dimensions, New Royal Book Company 2000
- Oxford Textbook Of Public Health Fifth Edition, Volume 2- Methods Of Public Health, Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxforduniversity Press 2009
- Oxfordtextbook Of Public Health Fifth Edition (Volume 3-The Practice Of Public Health) , Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxforduniversity Press 2009
- The New Public Health , Second Edition, Theodore H. Tulchinsky, Elena A. Varavikova 2009 , Academic Press
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- Mary Jane Schneider, Introduction to Public Health, Jones and Bartlett Publisher, USA 2004

Title of Course	:	General Epidemiology and Epidemiological Methods
CC/DSE/GE/VA	:	CC 103
Course Code	:	GEEM
Year	:	First
Level	:	First Semester
Course Objectives	:	<ul style="list-style-type: none"> To understand about the concept, methods and measurement tools of epidemiology and its various methods. To develop and implement a research or public health practice project by applying principles of program evaluation. Students will gain knowledge about measuring and interpreting patterns of disease.
Course Outcomes	:	Students would be able to understand the concept, tools and methods of epidemiology. They would also get knowledge about disease and immunization
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interactions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance.
Course Content		
Unit-1	Introduction to Epidemiology	
1.1	Epidemiological –Concept, Definition, Components, Difference between	
1.2	Epidemiology and clinical medicine, Principles and Approaches of epidemiology,	
1.3	Tools of measurement in epidemiology, Sources of Epidemiological Data	
Unit 2	Introduction to methods of epidemiology	
1.1	Descriptive method of Epidemiology	
1.2	Retrospective and Prospective Studies	
1.3	Analytical method of Epidemiology	
1.4	Experimental method of Epidemiology	
Unit 3	Methods of Measurements in epidemiology	
1.1	Association and Causation	
1.2	Measurements of Morbidity	
1.3	Measurements of Mortality	
1.4	Uses of Epidemiology	
Unit 4	Screening, Control and prevention of Diseases	
1.1	Screening: Concept, Uses And Criteria For Screening	
1.2	Modes Of Disease Transmission And Disease Control	
1.3	Infectious Disease Epidemiology	
1.4	Disease Control	
Unit-5	Immunization and Disinfection	
1.1	Concept and definition of immunization, Universal Immunization Programme,	
1.2	National & Sub- national Immunization schedule , Vaccination-concept and definition	
1.3	Host defense and disinfection, concept and types of immunoglobulins	

Core Readings/References

- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

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- Surendra Singh, P.D. Mishra, Health and Disease: Dynamics and Dimensions, New Royal Book Company 2000
- Mary Jane Schneider, Introduction to Public Health, Jones and Bartlett Publisher, USA 2004
- Thomas C. Timmreck, An Introduction to Epidemiology (third edition), Jones and Bartlett Publisher, USA 2002.

Title of Course	:	Paper 4: Field Work Practicum
CC/DSE/GE/VA	:	CC 104
Course Code	:	FWP
Year	:	First
Level	:	First Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To learn the application of theory in public health settings ○ To get an understanding of the existing public health services and challenges
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learned the application of theory in public health settings and also analyze the status of existing public health services and challenges in the society.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, individual & group conferences (students' seminars), field exposure visits, non-credit trainings, orientation programme, extension, field based assignments or experience sharing/field instruction/lectures by guest or visiting faculties and practitioners, exposure tours of information technology in teaching-learning process, skill workshops, opportunity to attend seminar and conferences, career guidance, induction/exit/follow-up meetings.
Course Content		
<ul style="list-style-type: none"> ○ Orientation Workshops ○ Observational Visits of public health settings to understand health system functioning Rural – i) Government ii) Private iii) Others Urban- i) Government ii) Private iii) Others ○ Visit to understand other systems of Health e.g. Railway, Military ○ Visit to Sewage Treatment Plant ○ Visit to Water Purification Plant ○ Visit to Biomedical Waste Treatment Plant ○ Open Community Visits ○ Preparation and presentation of field visit reports ○ Field work conferencing (Individual and Group conferencing) ○ Viva Voce of Field Work Practicum based on theory papers and field work activities performed during first semester. 		

Discipline Specific Elective Course (Select any ONE)

Title of Course	:	Environment, Water, Sanitation and Health
CC/DSE/GE/VA	:	DSE 105 A
Course Code	:	EWSH
Year	:	First
Level	:	First Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ Understanding the concept of environment and importance of sanitation. ○ Developing knowledge about the basic laws relating to environment. <ul style="list-style-type: none"> ○ Familiarizing the students about importance of hygiene. ○ To study the acts related to forest, environment water and air. ○ To study about sanitation and solid waste management.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would be able to understand the concept of environment and sanitation and their effect of health. ○ The students would be able to practice healthy habits and spread awareness regarding it. ○ The students are more aware about the laws relating to environment and sanitation.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit-1	Introduction to Environment	
1.1	Environment: Concept and Meaning, Types and Importance	
1.2	Environmental Management – Scenario, Problems and Perspectives	
1.3	Emerging Concerns and Challenges: Global warming, water scarcity, acid rain etc.	
1.4	Programme related to protection of environment, Environmental Protection Act	
Unit -2	Water, Sanitation and Hygiene (WASH)	
1.1	Sanitation: Concept and Meaning and Scope, Solid Waste Management-	
1.2	Disposal of Wastes in Urban and Rural Areas, Disposal of Excreta City Sanitation Plan, ODF and ODF Plus	
1.3	Water Management-Water, safe – wholesome Water, Water Conservation,	
1.4	Methods of Purification of Water, Water Borne Diseases: Cause, type and prevention	
Unit-3	Pollution and Health	
1.1	Pollution Indicators and Prevention-Air, Water, Noise	
1.2	Radiations – Hazards and Prevention	
1.3	Meteorology – Effect on Health	
1.4	Housing Standards	

Unit -4 1.1 1.2 1.3	Programs and laws related to Environmental Conservation Programme related to Forest conservation, Forest Conservation Act Water Prevention and Control of Pollution Act, Programme related to water conservation Air (Prevention – Control of Pollution) Act, Programme related to prevention of Air Pollution
Unit -5 1.1 1.2 1.3	Climate Threats and Environment Conservation Environmental Movements in India Climate threats and its effect on health Relevant National Programs related to environment protection and sanitation

Core Readings/References

- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

Additional Readings/References

- Chiras- Environmental Sciences (Eight edition) Jones and Bartlett Publisher, Carol Holtz, Global Health Care: Issues& Policies Jones and Bartlett Publisher, USA 2008.
- Surendra Singh, P.D. Mishra, Health and Disease: Dynamics and Dimensions, New Royal Book Company 2000
- Mary Jane Schneider, Introduction to Public Health, Jones and Bartlett Publisher, USA 2004
- Etienne Dubois, Environment and health Effects, Apple Academic Press 2010
- Cordelia Strange, Water Pollution &Health , Alpha House Publishing, new York.

Title of Course	:	Basic Concepts on Life Sciences
CC/DSE/GE/VA	:	DSE 105 B
Course Code	:	BCLS
Year	:	First
Level	:	First Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To learn about the basic concepts on anatomy of the human body ○ To learn about the basic concepts on physiology of the human body ○ To learn about the basic concepts on biochemistry of the human body
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt about the various systems of human body ○ Students would have learnt about the functioning of various systems of human body ○ Students would have learnt about the modalities of life chemistry of the body
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Introduction to Life Sciences
1.1		Anatomy of the human body- Cells, Organ, Tissue,
1.2		Fundamentals of the systems of the human body
1.3		Basics of Ecology, Infection and Diseases
Unit 2		Diseases Related to Body Systems
1.1		Diseases Related to Body Systems-Digestive System, Respiratory System, Circulatory System
1.2		Excretory System, Nervous System, Endocrine System and Immune System
Unit 3		Biochemistry of macronutrients
1.1		Types, Functions and benefits of macronutrients
1.2		Ways in which body uses Proteins, Carbohydrates, Fats, Water and Calcium
Unit 4		Biochemistry of micronutrients
1.1		Types, Functions and benefits of micronutrients
1.2		Ways in which body Uses Iron, Potassium, Sodium, Phosphorous, Zinc, Iodine, Cobalt, Copper, Magnesium, Chromium, Sulphur
Unit 5		Introduction to Microbiology
1.1		Bacteria and Viruses
1.2		Common diseases caused by microorganisms and their prevention

Core Readings/ References:

- Principles Of Anatomy, Physiology And Biochemistry By Tortora
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

Additional Readings / References:

- Principles And Practice Of Medicine By Davidson

**Generic/Open Elective Course /Ability Enhancement/ Skills Enhancement / Value Added
Course/MOOCs (Select any ONE)**

Title of Course	:	Genetics and Public Health
CC/DSE/GE/VA	:	AE/SE 106 A
Course Code	:	GAPH
Year	:	First
Level		First Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To understand the basic concept of genetics and its relation with health. ○ To get knowledge about the genetic disorders and developments in the field of genetics.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would understand the basic concept of genetics and its relation with health. ○ Students would get knowledge about the genetic disorders and developments in the field of genetics.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interactions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit-1		Introduction to Genetics
1.1		History of Genetics
1.2		Basic Concepts of Genetics (Definition): DNA, Chromosomes, Genes, Genome
1.3		Cell Division :Basic Concept and significance
Unit -2		Concept and process of Heredity
1.1		Functions of genetic material (Basic concept of Transcription,
1.2		Translation, Central Dogma, Genetic Code and Wablle’s Hypothesis)
1.3		Sex Linkage, Crossing over Mendelian Genetics (Mendel’s Law, Punnet Square, Back cross, test cross, Incomplete dominance and complete dominance Sex determination
Unit 3		Genetic Diseases & Disorders
1.1		Genetic Diseases & Disorders (single gene disorder, multifactorial disorders and chromosomal disorders)
1.2		Genetic Testing- Basic concepts of prenatal diagnosis, ethical issues of prenatal testing
Unit 4		Genetic Counselling and other related problems
1.1		Genetic Counselling
1.2		Ethical legal & social issues related to genetics
1.3		Gene Therapy, eugenics euthenics
Unit -5		Genetics and Human Development
1.1		Human Genome Project
1.2		Basic Concept Of Cloning, Ecological and Environmental Genetics
1.3		Genetics and Food Production, Genetically Modified Foods

Core Readings/References

- PragmaKhanna, Essentials of Genetics
Verma&Agarwal, Genetics
- Monroe W. Strickberger, Genetics (third edicition)Pearson Education, 2008
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers
Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers,
New Delhi

Additional Readings/References

- Kenen, Stephaine- Medicine, Degeration and Eugenics (2002)
- Sengoopta, Chandak-Darwin, Darwinism and the Modern World (2004)
- Ravi Shankar- human Genetics Modern approach , cyber Tech publication 2012.

Title of Course	:	Gender And Development
CC/DSE/GE/VA	:	AE/SE 106 B
Course Code	:	GAD
Year	:	First
Level		First Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To provide knowledge about the gender and development and its impact on health. ○ Students would learn about social construction, feminist and women's, movements ○ To develop an insight among students how gender equality is a crucial element of development.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt about the gender and development and its impact on health. ○ Students would have also learnt about social construction, feminist and women's, movements, gender equality etc.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Introduction to Gender
1.1		Gender: Meaning, Concept and Identity; Sex and Gender
1.2		Gender Equality and Equity; Disparity/Gender gap; Gender Development
1.3		Index (GDI) and Gender Empowerment Measure (GEM)
Unit 2		Gender based Rights and Issues
1.1		Constitutional Rights of Women and Positive Discrimination;
1.2		Entitlements
1.3		Violence against Women and Children Cultural Impact on Gender
Unit 3		Situational Analysis on Gender
1.1		Health Perspectives of Women in India,
1.2		Educational and Economic Status of Women
1.3		Women in Politics through the Ages
Unit 4		Feminist and Women's Movements
1.1		Social Construction of Feminity and Masculinity
1.2		Feminism: Liberal, Radical and Socialist; Solidarity and Collective Action
1.3		Women's movements: Pre-Independence and Post Independence.
Unit 5		Developmental Programs and Provisions
1.1		Developmental Programmes for Women
1.2		Statutory Bodies for Women

Title of Course	:	Massive Open Online Courses (MOOCs)
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CC/DSE/GE/VA	:	AE/SE 106 C
Course Code	:	MOOCs
Year	:	First
Level		Second Semester
Student can select any MOOCs course which is approved by the department or University or University Grant Commission (UGC) Certificate of the course is required.		

Semester – II

Title of Course	:	Research Methodology, Bio-Statistics & Computer Application
CC/DSE/GE/VA	:	CC 201
Course Code	:	RMBCA
Year	:	First
Level	:	Second Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To understand basic concepts and methods of research. ○ To learn about bio statistics and use of statistical method in public health research. ○ To study the application of computer knowledge and internet in research.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would be able to understand basic concept and method of research and biostatistics. ○ They would also get aware about application of computer and internet in public health research.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Introduction to Research Methodology
1.1		Basics of Research: Concepts, Objectives, Limitations
1.2		Methods of Research: Qualitative and Quantitative
1.3		Research Design: concept, Types
1.4		Ethical Issues in Health Research
Unit 2		Hypothesis, Sampling and data collection
1.1		Hypothesis: concept, types and significance, Null Hypothesis
1.2		Sampling: concept, types and significance
1.3		Tools and methods of data collection
Unit 3		Unit-3: Biostatistics and measurement of data
1.1		Biostatistics: Definition, scope and uses, Sources and Uses of Statistics
1.2		Descriptive statistics- Mean median Mode, percentile, Proportion
1.3		Analytical statistics- Correlation and Regression, Chi-Square Test,
1.4		Measures of Dispersion: Range, Mean Deviation and Standard Deviation Correlation and Regression, Chi- Square Test, Analysis of variance (ANOVA)
Unit 4		Health Information and Operations Research
1.1		Health information- definition, sources, uses, Operation research- definition concept, scope and uses,
1.2		Critical Path Method (CPM), Program Evaluation And Review
1.3		Technique (PERT)
1.4		Distinction between data and information,
Unit 5		Computer Application and Research
1.1		MS-Office's-Word, MS- Excel & Power Point
1.2		Introduction to Data Base Management System
1.3		Spreadsheet: Introduction to Spreadsheet -Application –Data Entry

Core Readings/References

- C.R. Kothari, Research Methodology: Methods & Techniques, New Age International Publishers
- Research Methods And Statistics (India Edition) Sherri L Jackson , Rawat Publication , New Delhi (Cengage Learning) 2009
- Introduction To Health Research Methods –A Practical Guide , Kathryn H Jacobsen, Jones And Bartlett Learning 2012
- The Practice Of Social Research , Earl Babbie 13th Edition, Rawat Publications, New Delhi 2014
- David Silverman, Qualitative Research, 3rd Edition, Sage Publications India Pvt, Ltd. 2004
- Tim May, Social research-Issues Methods and Process, Routledge 2009
- Earl Babbie- The Practice of Social Research, Routledge (13th edition) 2014
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India

Additional Readings/References

- Manoj Sharma , R. LingyakPetosa, Measurement and Evaluation for Health Educators, Jones Bartlett Learning 2014
- Coroxtn and Cowden Applied General Statistics
- Mueller and Schuessler-Statistical Reasoning in Sociology

Title of Course	:	Sociology and Community Health
CC/DSE/GE/VA	:	CC 202
Course Code	:	SACH
Year		First
Level		Second Semester
Course Objectives		<ul style="list-style-type: none"> ○ To understand the concept of sociology and its impact on health. ○ To develop an understanding about Social institutions in relation to health and diseases. ○ Developing insight in students how community health is incomplete without knowledge of society.
Course Outcomes		<ul style="list-style-type: none"> ○ The students would understand concepts of sociology and its relation to health. Students could now practice their knowledge about society culture in their filed work or community.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Health and society
1.1		Sociology: Concepts, Meaning, Scope and relating concepts
1.2		Concept in Sociology relating to Health
1.3		Gender issues in health
Unit 2		Community and Social Institutions
1.1		Community: Meaning, Concept, characteristics and Importance,
1.2		Social Institutions – Family, Religion, Caste, Groups, Marriage
Unit 3		Social Sciences and Health
1.1		Medical Anthropology, Health psychology: Concept and definition
1.2		Theories of health behaviour
1.3		Health geography: geographical concepts related to health, approaches to
1.4		health geography
Unit 4		Factors Affecting Health and Disease
1.1		Factors affecting Community Health, Disease and Health services
1.2		Identification of cultural Factors in relation to Health and Diseases Community Treatment
1.3		KAP (Knowledge, Attitude and Practice) studies
1.4		Behaviour Change Communication (BCC)
Unit 5		Urbanization & Industrialization
1.1		Urban Health: Importance, Problem of Urbanization, Factors influencing urban health
1.2		Industrialization: concept, causes, historical process, merits and demerits of industrialization, Problems due to Industrialization,
1.3		Relevant programmes related to prevention of Urbanization and Industrialization
1.4		Organization of health services in urban areas, schemes related to urban health-NUHM, AMRUT, Challenges in delivering health care services in

Core Readings/References

- Sociology: Themes And Perspectives (7th Edition) Haralambor & Halborn, Collins, 2008
- Sandrogalea and davidVlahov, Handbook Of Urban Health-Population, methods and practice, Springer 2005
- David Silverman, Qualitative Research, 3rd Edition, Sage Publications India Pvt, Ltd. 2004
- Monroe W. Strickberger, Geneetics (third edicition)Pearson Education, 2008
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

Additional Readings/references

- Kenen, Stephaine- Medicine, Degeration and Eugenics (2002)
- Sengoopta, Chandak-Darwin, Darwinism and the Modern World (2004)
- Ravi Shankar- human Genetics Modern approach , cyber Tech publication 2012

Title of Course	:	Health Education, Communication and Information
CC/DSE/GE/VA	:	CC 203
Course Code	:	HECI
Year	:	First
Level	:	Second Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To understand concept and importance of health education, communication and Health information system. ○ Students will analyze the influence of various socio-cultural and technological factors on health behaviours. ○ It aims to make students more aware about the importance of communication in teaching and constantly imparting their knowledge or transmitting information in health promotion.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would understand about the concept and importance of health education, communication and Health information system. ○ Students would be able to analyze the influence of various socio-cultural and technological factors on health behaviours. ○ Students would also learn the importance and application of communication skills in public health settings.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Introduction to Health Education
1.1		Health Education: Concept, and objectives, Approaches to Health Education,
1.2		Content of Health Education, principles of health education
Unit 2		Planning in health education
1.1		Models of health education, practices of health education, Code of ethics for health education profession, barriers in health education
1.2		Basic vocabulary in health education: Awareness, information, knowledge, skills, health literacy, beliefs, attitudes,
1.3		Community mobilization, community empowerment & development etc.
Unit 3		Health communication and behaviour change communication
1.1		Communication – Meaning, Concept, process, channels and types barrier,
1.2		IEC-Importance and role of IEC, development of IEC material,
1.3		Behaviour Change Communication (BCC)
Unit 4		Health information system
1.1		Concept of Health information system (HIS),
1.2		components of HIS, Source of HIS, Global and Indian Health information System
1.3		Relevant programmes of Health information system, HMIS
Unit 5		Gateway to effective health promotion and wellbeing
1.1		Health communication strategies
1.2		Barriers of effective health communication
1.3		Health education in preschool child education and adult education
1.4		e-Health, m-Health, e-VIN (Electronic Vaccine Intelligence Network)

Core Readings/references

- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Marc Berg, Health Information Management, Routledge
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

Additional Readings/references

- Glen G. Gilbert, Robin G. Sawyer, Elisa Beth McNeil, health Education-Creating Strategies for School and Community Health, Jones & Bartlett Learnings 4th edition 2015
- Oxford's Textbook of Public health , Fifth edition, Vol. 1,2,3
- David Seedhouse: Health Promotion- Philosophy, Prejudice and Practice, John wiley& Sons Ltd. 2006
- Manoj Sharma , R. LingyakPetosa, Measurement and Evaluation for Health Educators, Jones Bartlett Learning 2014

Title of Course	:	Field Work Practicum
CC/DSE/GE/VA	:	CC 204
Course Code	:	FWP
Year	:	First
Level	:	Second Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To learn the application of theory in public health settings ○ To learn and analyze nutritional assessment of population of community ○ To get an understanding of the existing public health services and challenges
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt the application of theory in public health settings and community. ○ Students would have learnt to analyze nutritional assessment of persons living in community. ○ They would be able to identify the health problems in the community along with resource mobilization and community participation to reduce the existing challenges in health care delivery.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, individual & group conferences (students' seminars), field exposure visits, non-credit trainings, orientation programme, extension, field based assignments or experience sharing/field instruction/lectures by guest or visiting faculties and practitioners, exposure tours of information technology in teaching-learning process, skill workshops, opportunity to attend seminar and conferences, career guidance, induction/exit/follow-up meeting
Course content		
<ul style="list-style-type: none"> ● Field Work Orientation workshop ● Visit to village/slum for family health study ● Preparation of Community profile through participatory activities ● Survey of area and resource mapping Presentation ● Identify major Health Problems ● Assessment of community needs ● Nutritional Assessment of persons living in Slum Areas/ village. ● Analyze the problems related to nutrition ● Finding resources and creating awareness to reduce the problems ● Analyze the result & write the report ● Viva Voce of Filed Work Practicum based on theory papers and field work activities performed in the second semester. 		

Discipline Specific Elective Course (select any ONE)

Title of Course	:	Public Health and Clinical Nutrition
CC/DSE/GE/VA	:	DSE 205 A
Course Code	:	NAPH
Year	:	First
Level	:	Second Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ Understanding basic concepts of nutrition and its relation to health in community. ○ To study the assessment of nutritional status and various programmes related to enhancement of nutritional status. ○ To get introductory knowledge about processing of food, food contamination and food adulteration and its prevention.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Student would have learnt basic concepts of nutrition and its relation to health in community. ○ Student would understand about assessment of nutritional status and various programmes related to enhancement of nutritional status. ○ Student would have learnt about the concept of processing of food, food contamination and food adulteration and its prevention.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Introduction to the Clinical Nutrition
1.1		Basic Concepts of Nutrition, Digestion, Absorption and utilization of
1.2		Nutrients
1.3		Nutrients- Classification, Sources, Functions, Recommended Dietary
1.4		Allowances (RDA), BMR
		Balance Diet : Meaning, components and importance, Food Pyramid
Unit 2		Nutritional Status and Nutritional Disorders
1.1		Assessment of nutritional status
1.2		Nutritional disorders,
1.3		Nutritional Deficiency diseases and disorders
1.4		Maternal & Neonatal Malnutrition
Unit 3		Diet Planning And Management
1.1		Food guide for selecting an adequate diet-basic concepts of five food groups
1.2		Diet planning for various age groups
1.3		Diet therapy-nutrition and various diseases
Unit 4		Nutritional Programme and Agencies
1.1		Nutritional Deficiency Control Programmes
1.2		Supplementary Feeding Program
1.3		Community Nutrition and Nutrition Rehabilitation Centres (NRC), Role of international and national agencies in combating malnutrition
1.4		
Unit 5		Food Processing, Food Fortification and Food Adulteration
1.1		Food Selection & Food Storage, Food preparation and its effects on

1.2 1.3 1.4	nutrition Food Preservation, Food Fortification, Food Adulteration and Prevention of Food Adulteration Act Food Borne Diseases and Contamination of food,
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Core Readings/References

- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi
- B. Srilaxmi, Nutrition Science
- Mukesh Mittal-Diet Nutrition and Health, Aadi publication 2011

Additional Readings/References

- Gordon Edlin, Eric Golanty, Health And Wellness, Jones and Bartlett Publishers, 8th Edition, 2004
- Mudambi& Raja Gopal, Fundamentals of food, nutrition and diet therapy
- Jane B Mrgan, John W. T. Dickson , Nutrition in early Life, Jon Wiley 2003
- Camden Flath, Nutrition and Science, Alpha House Publishing, New York 2009
- Zachary Chastian, Nutrition & Society, Alpha House Publishing, New York

Title of Course	:	Medical & Psychiatric Social Work
CC/DSE/GE/VA	:	DSE 205 B
Course Code	:	MPSW
Year	:	First
Level		Second Semester
Course Objectives		<ul style="list-style-type: none"> ○ To understand concept of social work and developing the understanding about Medical and Psychiatric Social work in health sector ○ To understand the application of Medical and Psychiatric Social work in different settings.
Course Outcomes		<ul style="list-style-type: none"> ○ Students would have learnt the concept of social work, medical, and psychiatric Social work in health sector. ○ Students would understand the application of MSW and PSW in different settings.
Pedagogy		Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 3		Introduction to Social work
1.1		Social Work-Basic concepts, definition, Methods and values of Social
1.2		Work, Generic principles and fields of social work,
1.3		Challenges and Limitations of medical social worker
Unit 3		Medical Social Work
1.1		Medical Social Work – Concept, Need and Scope
1.2		Principles and Skills of medical social worker
1.3		Medical Social Work: Retrospect and Prospects
1.4		Role of Medical Social Work in various Medical Setting
Unit 3		Application of Medical Social Work
1.1		Application of Medical Social Work in Different Setting, Mental Hospital,
1.2		Child Guidance Clinics, Counseling Centers, Rehabilitation Centre, General
1.3		Hospitals, Working with schools for mentally and physically challenged,
1.4		Blood banks, eye banks, health camps
Unit 3		Psychiatric Social Work
1.1		Psychiatric Social Work: Concept, Roles, Functions and Scope
1.2		Psychiatric Social Work: Retrospect and Prospect
Unit 3		Application of psychiatric social work
1.1		Psychiatric Social Work in Different Settings community psychiatry
1.2		Community psychiatry
1.3		Mental Health Act 2017

Core Readings/References

- Goldstein D., Expanding Horizons in Medical Social Work
- Goldstein D., Readings in the Theory and Practice in Medical Social Work
- Mishra P.D. , Social Work, Philosophy and Methods

- Sharon D.P., Social Work and Community Practice, Apple Academic Press 2011

Additional Readings/references

- Eliot Sorel, 21st century Global mental Health, , Jones & Bartlett Learning 2013
- Promoting Child And Adolescent Mental Health, Carl I. Ferman, Myrna M. Delgado, Susan L. Tarasevich, Jones And Bartlett Learning 2015

**Generic/Open Elective Course /Ability Enhancement/ Skills Enhancement / Value Added
Course/MOOCs (Select any ONE)**

Title of Course	: Happiness Health and wellness
CC/DSE/GE/VA	: AE/SE 206 A
Course Code	: HHAW
Level	: First
Year	: Second Semester
Course Objectives	: <ul style="list-style-type: none"> ○ To develop an understanding among students about the importance of happiness in leading a healthy life.
Course Outcomes	: <ul style="list-style-type: none"> ○ Students would have learnt and practice happiness in leading a healthy life the skills to inculcate the happiness
Pedagogy	: Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance,
Course Content	
Unit 1	Introduction to Happiness
1.1	Happiness- concept, definition, The triad for happiness, Sources of happiness
1.2	Happiness-health connection , Importance of happiness for good health
Unit 2	Strategies for happiness
1.1	Loving Yourself (Self-motivation, Self-worth, Self-respect, Self-care, and Self-purpose)
1.2	Forgiveness – the key to loving yourself
1.3	Respect for self and others
Unit 3	Ways to happy life
1.1	Appreciate Your Life,
1.2	Counting your blessing
1.3	Looking on the bright side – and what to do when there is no bright side
1.4	Finding Your Passion, Practicing your creativity
Unit 4	Coping Skills And Happiness
1.1	Dealing with grief
1.2	Dealing with failure
1.3	Depression anxiety and panic disorders
1.4	Using your alone time
Unit 5	Human Relations and Happiness
1.1	“Triage” your life – putting things in order of importance and/or urgency
1.2	Practicing Gratitude, Giving and Celebrating your Successes and Achievements
1.3	Happiness in relationships through harmony and feelings Heartfulness, Meditation, story telling

Core Readings/References

- Boniwell, I., & Ryan, L. (2012). Personal well-being lessons for secondary schools:
- Positive psychology in action for 11 to 14 year olds. Maidenhead: Open University Press.
- Helliwell, J. F., Huang, H., & Wang, S. (2017). The Social Foundations of World Happiness. World Happiness Report.

- Helliwell, J., Layard, R., & Sachs, J. (2018). Sustainable Development Solutions Network. World Happiness Report 2018.
- Kabat-Zinn, J. (1982). An outpatient program in behavioral medicine for chronic pain patients based on the practice of mindfulness meditation: Theoretical considerations and preliminary results. *General hospital psychiatry*, 4(1), 33-47.
- Kumar, S., Verma, A. K., Bhattacharya, S., & Rathore, S. (2013). Trends in rates and methods of suicide in India. *Egyptian Journal of Forensic Sciences*, 3(3), 75-80.
- Gordon Edlin, Eric Golanty, Health And Wellness, Jones and Bartlett Publishers, 8th Edition, 2004

Additional Readings/Reference

- Adler, A. (2016). Teaching Well-Being increases Academic Performance: Evidence From Bhutan, Mexico, and Peru. Publicly Accessible Penn Dissertations. 1572.
- 2. Aristotle, (Edited and Translated by R.Crisp) (2000). *Nicomachean Ethics*. Cambridge: Cambridge University Press.
- Promoting Child And Adolescent Mental Health, Carl I. Ferman, Myrna M. Delgado, Susan L. Tarasevich, Jones And Bartlett Learning 2015

Title of Course	:	Human and Sustainable Development
CC/DSE/GE/VA	:	AE/SE 206 B
Course Code	:	HASD
Year	:	First
Level		Second semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To provide knowledge about the sustainable development and its impact on human development. ○ To develop an insight among students the importance of environment protection and sustainable development.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt about sustainable development and its impact on human development.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Introduction to Human Development
1.1		Human Development: Concept, Meaning and Objectives
1.2		History and Philosophy of Human Development
1.3		UNDP and Human Development Indicators: HDI, IHDI, MPI and GII Physical Quality Life Index (PQLI), Disability Adjusted Life Years(DALYs) and Social Capability Index
Unit 2		Approaches to Human Development
1.1		Human Development in India, MDGs for 2015 and Human Development
1.2		Human Development Approaches: Commodity based System and Utility
1.3		Approach, Basic Needs Approach, Quality of Life Approach, Capability
1.4		Approach, Human Capital and Human Security
Unit 3		Sustainable Development
1.1		Sustainable Development: Concept, Definitions, Goals and Objectives and History
1.2		Components, Values and Principles, Pre-requisites for Sustainable Development.
1.3		Conventions on Sustainable Development
Unit 4		Environment and Sustainability
1.1		Environment: Concept and Components; Environment Degradation: Global Warming and Climate crisis
1.2		Socio-Economic Impact of Environment Degradation
1.3		Environment Management: Concept, Objectives, Approaches
1.4		Constitutional Provisions for Environment Protection, Environmental Conservation Programs in India.
Unit 5		Sustainable Development in the current Context
1.1		Indicators of Sustainable Development
1.2		Contemporary Challenges to Sustainable Development
1.3		Current Debates on Sustainable Development; Development and Sustainability Initiatives for Sustainable Development: Global, Regional, Civil Society,

Core Readings/References

- Etienne Dubois, Environment and health Effects, Apple Academic Press 2010
- Cordelia Strange, Water Pollution & Health, Alpha House Publishing, New York.

Additional Readings/References

- Chiras- Environmental Sciences (Eight edition) Jones and Bartlett Publisher, Carol Holtz, Global Health care: Issues & Policies Jones and Bartlett Publisher, USA 2008

Title of Course	:	Massive Open Online Courses (MOOCs)
CC/DSE/GE/VA	:	AE/SE 206 C
Course Code	:	MOOCs
Year	:	First
Level		Second Semester
Student can select any MOOCs course which is approved by the department or University or University Grant Commission (UGC) Certificate of the course is required.		

Public Health Internship/Block Placement Training
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| <ul style="list-style-type: none"> ➤ The aim of the internship is to provide an understanding of day to day activities and functions of professionals working in the public health system. ➤ After the examination of second semester students will undergo for Public health internship/Block Placement Training for six weeks in the organizations/agencies working in health sector (government or non-government). ➤ The Assessment of the internship will be done through daily activity diary, journal and report submission and presentation. Report may be submitted in the beginning of Semester III. (The internship is course is usually timed during the period between Sem. II and III). |
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Semester – III

Title of Course	:	Epidemiology of Specific Diseases and Medical Entomology
CC/DSE/GE/VA	:	CC 301
Course Code	:	ESDME
Year	:	Second
Level	:	Third Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To study about disease from public health perspective rather than medical science perspective. ○ To strengthening capacity of medical entomology and vector control is of global public health importance. ○ Knowledge about relevant National Programs running in the sector. ○ To study about epidemiology of various diseases.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt about epidemiology of Communicable Diseases and non- Communicable Diseases ○ Students would have learnt about medical entomology and insecticides ○ Students would have learnt about relevant national prgrams for disease control and prevention.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit-1	Epidemiology of Communicable diseases	
1.1	Epidemiology of Communicable Diseases : Measles, Chicken pox, Diphtheria, Tetanus, Pertusis, Plague	
1.2	Acute Respiratory Infections, Tuberculosis, Rabies	
1.3	Epidemiology of Water borne diseases	
1.4	Epidemiology of HIV/ AIDS, RTI/STI	
Unit-2	Epidemiology of Non Communicable Diseases(NCD)	
1.1	Epidemiology of Non Communicable Diseases –cause, current status, prevention of NCDs	
1.2	Hypertension, Coronary and Heart Disease	
1.3	Cancer, Blindness, Road Traffic Accidents, Diabetes	
1.4	Road traffic accidents	
Unit-3	Medical Entomology & Insecticides	
1.1	Medical Entomology: concept, Arthropod Borne Diseases, Arthropod Control	
1.2	Insecticides- Classification, Modes of action, Application and Toxicity	
Unit-4	Relevant National Health Programs related to communicable diseases	
1.1	Polio Eradication program, RNTCP (Tuberculosis), Routine	
1.2	Immunization NVBDCP	
1.3	Vector Borne Disease Control Program, Diarrhea Management	
1.4	programme	

	Sexually Transmitted Disease& HIV/AIDS Control Program
Unit-5	Relevant National Health Programs related to Non- communicable disease
1.1	NOHP, NDCP, NBCP NCP NPHE,
1.2	programs to address nutritional deficiencies of mother and child

Core Readings/References

- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

Additional Readings/References

- Ray M. Merrill, Introduction to Epidemiology, Jones & Bartlett 2010 (V edition)

Title of Course	:	Demography, Family Welfare and Family Planning
CC/DSE/GE/VA	:	CC 302
Course Code		DFWFP
Year		Second
Level		Third Semester
Course Objectives		<ul style="list-style-type: none"> ○ to get Knowledge about the global and national demographic trends ○ To understand the need of Family welfare programmes ○ Development understanding about Maternal & Reproductive Child Health
Course Outcomes		<ul style="list-style-type: none"> ○ Students would understand about demography and demographic trends. ○ Students would have awareness about family welfare programs and family planning.
Pedagogy		Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit-1		Demography & Demographic Trends
1.1		Demography – Definition, Cycle, Indices, and Composition,
1.2		Theories related to demography
1.3		Basics of Population Trends in World and India (Past till current status)
1.4		Sources of demographic data
Unit-2		Introduction to Population Policies
1.1		Population indicators and its composition
1.2		Population Policies in India– Concept, Evaluation
1.3		Policies related to MTP and Sex -Determination/Act
1.4		Current National Population Policy
Unit-3		Introduction to Family Planning
1.1		Family planning –definition, scope and health aspects of family planning
1.2		Contraceptives-adverse and beneficial effects
1.3		Abortion and legalized abortion
Unit-4		Family planning Methods and Public Health
1.1		Family Planning Methods: Concept, Need, Importance and Classification
1.2		Law and Family Planning in India, MTP act
Unit-5		Family Welfare Programmes
1.1		Family Welfare Programmes in India
1.2		Family Welfare Linked Health Insurance Scheme, Mission
1.3		ParivarVikas
1.4		Population Education Evaluation of Family Planning

Core Readings/References

- P. K. Majumdar : India's demography, Rawat Publication 2013

- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

Additional Readings/References

- Oxford Textbook Of Public Health Fifth Edition, Volume 2- The Scope Of Public Health, Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxford University Press 2009

Title of Course	:	Health Planning, Administration & Management
CC/DSE/GE/VA	:	CC 303
Course Code	:	HPAM
Year	:	Second
Level	:	Third Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To get understanding of planning and management in relation to public health sector. ○ Get familiar about the structure of health care services in India ○ Develop understanding about health economic important in application of health care services
Course Outcomes	:	<ul style="list-style-type: none"> ○ Student would have understood the concept and application of planning and management in relation to public health sector. ○ Students would also develop understanding about health economic important in application of health care services
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit-1	Introduction to Planning and Management	
1.1	Planning – concept, Definition, steps in planning, Health Planning, Planning Cycle	
1.2	Management – Definition, Principles, skills and Methods	
1.3	Constitutional Provisions for Health in India	
1.4	Health’s Committees for health planning in india	
Unit-2	Introduction to Public Health care system	
1.1	Primary Health Care: Concept, components, elements and Levels	
1.2	Health care system in India (centre, state and district level)	
1.3	National health Policies: key indicators and achievements	
Unit-3	Public Health Administration	
1.1	Public Health Administration: Meaning, Structure, Delivery of Health Care services,	
1.2	Organization’s Functions, Staff pattern (Health Sub-centers, PHC & CHC) and Job Descriptions of Various Health personnel	
Unit-4	Health Economics and Health Care Services	
1.1	Health Economics: concept, scope, application of health economics	
1.2	Methods in Health economics	
1.3	Concept of demand and supply of health care services	
1.4	Vicious cycle of poverty and health	
Unit-5	Health Financing and insurance	
1.1	Health Financing: Need, Definitions, objectives, functions	
1.2	Health Insurance: concept, need, advantages,	
1.3	Challenges in Delivery of Health Care services	

Core Readings/References

- A. Ashokan, Perspectives of Health Economics, Serial Publications , New Delhi
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi
- P. K. Majumdar : India's demography, Rawat Publication 2013
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi

Additional Readings/References

- Nick Black & Reinhold Gruen, Understanding Health Services, Open University Press, Macgraw-Hill Education 2005
- Marc Berg- Health Information Management, Routledge
- David Haber-Health Promotion and Ageing, Springer Publishing Company 2007
- Christine Stephens-Health Promotion, A Psychological Approach, McGraw Hills 2008

Title of Course	:	Field Work Practicum
CC/DSE/GE/VA	:	CC 304
Course Code		FWP
Year		Second
Level		Third Semester
Course Objectives		<ul style="list-style-type: none"> ○ To learn the application of theory in public health settings ○ To get an understanding of the existing public health services and challenges
Course Outcomes		<ul style="list-style-type: none"> ○ Students would have learned the application of theory in public health settings and also analyze the status of existing public health services and challenges in the society.
Pedagogy		Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, individual & group conferences (students' seminars), field exposure visits, non-credit trainings, orientation programme, extension, field based assignments or experience sharing/field instruction/lectures by guest or visiting faculties and practitioners, exposure tours of information technology in teaching-learning process, skill workshops, opportunity to attend seminar and conferences, career guidance, induction/exit/follow-up meeting
Course Content		
<ul style="list-style-type: none"> ● Intervention Activities based on problems prevailing in the Community/Rural Areas/Slums (Health Camps, Community Awareness Programmes, Focus groups etc.) ● Rural /Urban Camps/Field Exposure Visits, Health awareness activities in schools, slums and villages ● Identification of health problems of community ● Intervention activities to create health awareness ● Organize health camps ● Preparing reports of above activities performed ● Writing of Health Messages ● Handling of Communication Aids ● Developing Communication Campaigns – PLA, FGD, Counselling ● Video and computer systems and their handling, ● Viva Voce of Field Work Practicum based on theory papers and field work activities performed in the third semester. ● Preparation and Presentation of Synopsis of dissertation to be made in Semester 4. 		

Discipline Specific Elective Course (Select any ONE)

Title of Course	:	Human Behavior and Health
CC/DSE/GE/VA	:	DSE 305 A
Course Code	:	HBAH
Year	:	Second
Level	:	Third semester
Course Objectives	:	<ul style="list-style-type: none"> ○ Understanding the concept of human behavior and health.
Course Outcomes		<ul style="list-style-type: none"> ○ Students would have learnt the basic knowledge about the various aspects of human behavior and health. ○ The students would have knowledge of application of human behavior in health care.
Pedagogy		Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 5		Understanding Human behavior
1.1		Human Behavior: Concept, Definition and Determinants of Human Behaviour
1.2		Maslow's Need Hierarchy,
1.3		Physiological basis of Human Behaviour, Behavioural problems in different
1.4		stages of personality development
Unit 5		Understanding Abnormal behavior
1.1		Concept of Abnormal behavior, Etiology of Abnormal Behaviour, Types
1.2		and Symptoms of Abnormal Behaviour, Treatment of Abnormal behaviour,
1.3		Prevention of mental illness
Unit 5		Management of Mental Disorder
1.1		Management of Mental Disorder, Defense Mechanism
1.2		Stress and Stress related Diseases
1.3		Counseling and Psychotherapy
Unit 5		Health promotion through behavior
1.1		Behaviour as a tool in public health-individual and community behaviour
1.2		Information Education and Communication in human behavior
Unit 5		Programs of behavioural aspects
1.1		Behaviour practices in nutrition, behaviour issues in health and hygiene,
1.2		Swachhha Bharat Mission,
1.3		Influence of behaviour in maternal child health, adolescent health, geriatric health, family planning

Core Readings/References

- UpendraBhakta, Abnormal Psychology, Random Publication, New Delhi.

Additional Readings/References

- Bruce Simons-Morton, Kenneth R. Mcleroy, Monica L. Wendel, Behaviour Theory in health Promotion Practice and Research

- Robert C. Carson, James N Butcher, Susan Mineka, Jill M. Hooley, Abnormal Psychology, Pearson Education
- Robert A. Baron, Nyla R. Branscombe, Donn Byrne, GopaBhardwaj, social psychology, Pearson Education, Jones and Bartlett Learning, Burlington 2012

Title of Course	:	Ethical And Legal Issues In Public Health
CC/DSE/GE/VA	:	DSE 305 B
Course Code	:	ELIPC
Year	:	Second
Level		Third semester
Course Objectives		<ul style="list-style-type: none"> ○ Introductory knowledge to legal ethical aspects of health care useful in practical application in the field. ○ Understanding the importance of healthcare laws, medical practices medical tourism and telemedicine.
Course Outcomes		<ul style="list-style-type: none"> ○ The students would have understood the concepts of ethics and legal issues in health care and they would be able to practice their knowledge about health care laws and ethics.
Pedagogy		Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Understanding Medical Ethics
1.1		Basics of Ethics
1.2		Code of conduct
1.3		Hippocratic oath and declaration of Geneva (MCI Regulation),
1.4		Ethics of trust vs ethics of rights, health as human right
Unit 2		Laws related to Health Care
1.1		Confidentiality and professional secrecy
1.2		Autonomy and informed consent
1.3		Equity and social justice, euthanasia
Unit 3		Other Laws related to health care
1.1		Laws of Tort, Medical Negligence
1.2		Legal Liabilities And Remedies
1.3		COPRA Act, Consumer Protection Act
Unit 4		Laws related to medical practices
1.1		Right to health , Telemedicine
1.2		Medical Termination of Pregnancy Act 1971
1.3		PCPNDT Act 1994 , Biomedical Waste Handling Amended Act 2016
Unit 5		Concepts related to Right to Health, Consent and Telemedicine
1.1		ESI Act 1948
1.2		Transplantation of Human Organ Act 1994
1.3		Drug and Cosmetic Act 1940

Core Readings/References

- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

Additional Readings/References

- Essential Of Public Health Ethics , G Bernheim, Childress Bonnie, Melnick, Jones And Bartlett Learning 2015

**Generic/Open Elective Course /Ability Enhancement/ Skills Enhancement / Value Added
Course/MOOCs (Select any ONE)**

Title of Course	:	Resource Mobilization And Project Management
CC/DSE/GE/VA	:	AE/SE 406 B
Course Code		RMPM
Year		Second
Level		Fourth semester
Course Objectives		<ul style="list-style-type: none"> ○ To understand the concept and process of resource mobilization and project management. ○ To understand the importance of team work and strategies of project risk management and project performance.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt concept and process of resource mobilization and project management ○ Students would have also understood importance of team work and strategies of project risk management and project performance.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Basics of Project Management
1.1		Project Management – Meaning, Need, Philosophy and Principles
1.2		The Project Life Cycle
1.3		Impact of Delays in Project Completion
1.4		Role and Responsibilities of Project Manager
Unit 2		Project Planning
1.1		Project Planning – Concept, Meaning, Need and Process
1.2		Roles and Responsibilities of Team Work
1.3		Work break down structure
Unit 3		Project Risk Management and Project Performance
1.1		Risk, Risk Management and steps in risk management – risk identification, risk analysis and reducing risk
1.2		Project quality management
1.3		Project Performance measurement and evaluation; benefits and challenges of project performance measurement and evaluation
		Controlling Project
Unit 4		Understanding Resource Mobilization
1.1		Resource Mobilization: definition, concept; types of resources, resource allocation
1.2		Mechanism of Resource Mobilization: foreign versus domestic; Approaches of local resource mobilization and issues encountered
1.3		Role of resource mobilization in economic growth and development of India.
1.4		Grant proposal; needs and components
Unit 5		NGO Management

1.1	NGO: Concept, Meaning, Functions; Vision, Mission and Goals in NGO
1.2	Legal/ Statutory obligations: 12-A, 80-G, FCRA Societies Act 1860
1.3	Project Writing: Components and Steps

Title of Course	:	Counseling, Communication and Psychotherapy
CC/DSE/GE/VA	:	AE/SE 306 B
Course Code		CCAP
Year		Second
Level	:	Third Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ Understanding the concept and application of counseling in present scenario ○ To get introductory knowledge about psychotherapy and transactional analysis, SWOT Analysis and self development. ○ Developing knowledge about psychological tools to improve relations and solve behavioral problems. ○ Familiarizing the students about importance of positive thinking and how it can guide one to solve personality problems and experience self-development.
Course Outcomes	:	<ul style="list-style-type: none"> ○ The students would have learnt about counseling, communication, psychotherapy and self-development. They would also be able to apply all these in current scenario. ○ They would have been aware about positive thinking.
Pedagogy		Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit-1		Concept of Counseling
1.1		Counseling: Concept, Definitions, Goals, Assumptions, Relevance,
1.2		Principles and skills of counseling,
1.3		Historical Growth of Counseling movement in India & Abroad
Unit-2		Approaches to Counseling
1.1		Approaches to Counseling: Psychoanalytic, Humanistic, Behavioristic, Cognitive, Gestalt
1.2		Problems of counselors,
1.3		Motivation & Emotions: Concept and Theories, Social Psychology
Unit-3		Communication Self Development
1.1		Communication- Meaning, Objectives, Stages, types, skills, Barriers
1.2		Self-Development , SWOT Analysis, Effective Communication Skills, Positive thinking
Unit-4		Clinical Psychology and Special area in Counseling
1.1		Clinical Psychology
1.2		Special area in Counseling: Family, Children, Parents, Adolescents, Delinquent, Counseling for HIV/AIDS, Marriage, Premarital, Drug Addicts, Education, Career etc.
Unit-5		Introduction to Psychotherapy

1.1	Psychotherapy – Meaning, Objectives, Level
1.2	Techniques and models of psychotherapy

Core Readings/References

- K.K. Sharma, Principles of Guidance & Counselling, Kanishka Publications Distributors, New Delhi
- Mishra P.D.-VyaktiaurSamaj, Rapid Book Service Publication

Additional Readings/References

- Clifford T. Morgan, Richard A. King, John R. Weisz, John Schopler, Introduction to Psychology, Tata Mcgraw Hill Edition

Title of Course	:	Massive Open Online Courses (MOOCs)
CC/DSE/GE/VA	:	AE/SE 306 C
Course Code	:	MOOCs
Year	:	First
Level		Second Semester
Student can select any MOOCs course which is approved by the Department or University or University Grant Commission (UGC) Certificate of the course is required.		

Semester – IV

Title of Course	:	Reproductive, Maternal , Neonatal, Child Health and Adolescents
CC/DSE/GE/VA	:	CC 401
Course Code	:	RMNCHA
Year	:	Second
Level	:	Forth Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To learn the concept and importance of reproductive, child, adolescents and maternal health ○ To develop understanding about various programs and schemes related to reproductive, child, adolescents and maternal health
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt about reproductive, child, adolescents and maternal health. ○ Students would have develop understanding about various programs and schemes related to reproductive, child, adolescents and maternal health
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussions, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit-1	Reproductive Health	
1.1	Introduction to reproductive health, Sexual and reproductive health rights	
1.2	Understanding Reproductive Health Policy	
1.3	Reproductive Health programs in India	
1.4	Role of men in reproductive health	
Unit-2	Child health	
1.1	Child Health: introduction, components,	
1.2	Infectious diseases and child survival ,	
1.3	Child health problems, morbidity and mortality among children	
1.4	Child health care services	
Unit-3	Maternal Health	
1.1	Maternal Child Health Program –Introduction, components,ante natal care	
1.2	Historical developments in MCH in India ,	
1.3	Mother and Child Tracking System, Comprehensive Abortion Care Service	
Unit-4	Adolescent health	
1.1	Adolescence, Adolescent Health status in India, Adolescent Health and Development	
1.2	Health issues specific to Adolescents: Anaemia, teenage pregnancy, menstrual hygiene	
1.3	Obesity, mental health promotion and illness prevention, substance use prevention, violence, media etc.	
1.4	International Adolescent health	
Unit-4	Relevant National Programme/Schemes	
1.1	Relevant National Programme/Schemes related to child health	
1.2	Adolescent health programs	
1.3	Relevant National Programme/Schemes related to maternal health	

Core Readings/References

- G.R. Krishnamurthy, A.K. Singh, S. K. Bajpai- Indian Health Scenario (Perspectives and Dimensions) Serial Publication.
- ImranaQadeer-Public Health in India (2011) Danish Books.
- J. S. Mathur- A Comprehensive Textbook of Community Medicine, CBS Publisher and Distributors 2008
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi

AdditionalReadings/References

- Carol Holtz, Global Health Care:Issues& Policies Jones and Bartlett Publisher, USA 2008.
- F. Douglas Scutchfield, C. William Keck, Principles of Publics Health Practice.
- Mary Jane Schneider, Introduction to Public Health, Jones and Bartlett Publisher, USA 2004
- James F. Mckenzie, Robert R. Pinger, Jerome E. Kotecki, An Introduction to Community Health (Fifth edition) Jones and Bartlett Publisher, USA 2005.
- Oxfords textbook of Public Health Fifth edition Vol 1,2,3

Title of Course	:	School, Rural and Occupational Health
CC/DSE/GE/VA	:	DSE 305 A
Course Code		SUOH
Year	:	Second
Level	:	Third semester
Course Objectives	:	<ul style="list-style-type: none"> ○ Understanding the concept of school, urban, rural and occupational Health. ○ Developing knowledge about laws relating to occupation/ factory and how these laws ensure safety for workers. ○ Developing Knowledge about International Health Agencies.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have knowledge about school, rural and occupational health. ○ The students are having knowledge about laws related to occupation, factory and how these laws ensure the safety for workers. ○ The students would have knowledge about the working
Pedagogy		Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Importance of School health
1.1		School Health: Meaning, Objectives and Importance
1.2		Components of School Health, Problems of school children,
1.3		School health services
1.4		Critical Analysis of School Health Programmes related to of school health
Unit 2		Importance of Rural Health
1.1		Rural Health : Importance, Problems, Factors influencing rural health
1.2		Organization of Health Services in Urban and rural areas
1.3		Challenges in delivering health care services in rural areas
1.4		Schemes related to rural health (RBSK, ICDS, Mission Poshan)
Unit 3		Importance of Occupational Health
1.1		Occupational Health: Definition, and Importance
1.2		Classification of Occupational Hazards and Diseases
1.3		Preventive measures for occupational diseases
1.4		Employee State Insurance Scheme, Factory Act (1948)
Unit 4		Occupational Safety and Management
1.1		Need for safety, health and environment (S,H,&E), fundamental of safety, safety policy, SHE planning, Principal of safety management, safety training and awareness,
1.2		Communication, posters and signage, safety inspection, occupational safety and health acts,
1.3		Emergency preparedness and response, industrial safety, industrial hygiene
Unit 5		International Health Organizations
1.1		Structure, Objective, and Services of International Health Organizations - World Bank, WHO, UNICEF, UNFPA, UNDP,
1.2		FAO,ILO, USAID,RED CROSS, CARE- Structure, Objective and function

Core Readings/References

- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi

AdditonalReadings/References

- Carol Gestwicki, Home School and Community, Thomson Delmar Learning (6th edition)
- Glen G. Gilbert, Robin G. Sawyer, Elisa Beth McNeil, health Education-Creating Strategies for School and Community Health, Jones & Bartlett Learnings 4th edition 2015

Title of Course	:	Field Wok Practicum
CC/DSE/GE/VA	:	CC 401
Course Code	:	RCAMH
Year	:	Second
Level	:	Forth Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To learn the application of theory in public health settings ○ To develop skills of identification of problems and recourses, community participation, planning and execution of public health interventions in the community. ○ To learn and analyze nutritional assessment of population of community ○ To get an understanding of the existing public health services and challenges
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt the application of theory in public health settings and also analyze the status of existing public health services and challenges in the society. ○ They would be able to identify the health problems in the community along with the resource mobilization and community participation to organize public health interventions in the community.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
<ul style="list-style-type: none"> ● Rural & Urban Health Camps/Field Exposure Visits, Health awareness activities in schools, slums and villages. ● Preparation of reports of Field Activities/ Health camps 		

Title of Course	:	Research Based Dissertation
CC/DSE/GE/VA	:	CC 403
Course Code	:	RBD
Year	:	Second
Level	:	Forth Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ The dissertation is aimed to train the student in research methodology. It includes identification of the problem, formulation of a hypothesis, review of literature, designing of research study, collection of data, comparison of results and drawing conclusions. ○ To impart training in the methodology of developing a research proposal and scientific writing.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have been able to apply research concepts and be able to conduct the research study and prepare dissertation.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group discussion, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance

Course Content

- Each student shall be required to undertake an independent research work and prepare a dissertation based on primary data, during the 4thSemester.
- The topic of such research based dissertation shall be relevant to any current public health issue and can be selected in consultation with the guide and shall be finalized only after the approval of the department.
- The research based dissertation has to be initiated during third semester in order to enable maximum exposure of student to the research topic and research field.
- **The dissertation should be written under the following headings:**
 - Abstract
 - Introduction
 - Objectives of Study
 - Review of Literature
 - Material and Methods
 - Results – including tables & graphs
 - Discussion
 - Conclusion
 - Recommendations
 - Summary
 - References
 - Annexures: questionnaire, photos etc.
- Presentation of the Research Based Dissertation
- Dissertation Based Viva Voce

Discipline Specific Elective Course (select any ONE)

Title of Course	:	Public Health Emergencies And Disaster Management
CC/DSE/GE/VA	:	DSE 405A
Course Code		PHEDM
Year		Second
Level		Forth semester
Course Objectives		<ul style="list-style-type: none"> ○ To understand the concept, types and factors responsible for public health emergencies and disaster management. ○ To understand the aspects and management of public health emergencies and disaster management. ○ To know the legislations related to disaster management.
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt concept, types and factors responsible for public health emergencies and disaster management. ○ Students would have also learnt management of public health emergencies and disaster management. ○ Students would also get knowledge about the legislations related to disaster management.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Introduction to Disaster Management
1.1		Disaster Management-Definition, Concept, Objectives, Elements and
1.2		Significance
1.3		Dimensions of Disaster Management
		Typology of Disasters: Natural Disasters-earthquakes, Manmade Disasters
Unit 2		Aspects of Disaster Management
1.1		Response, Preparedness, Mitigation, Relief Phase, Role of union &state Governments., Non Governmental Organizations, International Agencies and friendly countries,
1.2		Epidemiological Surveillance and disease control, Vaccination
1.3		Nutrition, Rehabilitation in and after disaster.
Unit 3		Disaster Management in Health Sectors
1.1		Disaster preparedness, Policy development, Disasters in
1.2		India, Radiation Hazards, Stress and Strains, Urban slums,
1.3		Climate change and public health.
Unit 4		Disaster Management Legislations
1.1		National Disaster Management Policy
1.2		Disasters Management Act 2005.
1.3		Epidemic:Definition, Types of Epidemics, Major Epidemics, Control, Preventions.
Unit 5		Epidemics
1.1		Epidemics: Safe and Hygienic food, Maintenance of infection free
1.2		environment, maintaining mentalhealth during and after disasters.
1.3		Rehabilitation after the outbreak.

Core Readings/References

- G.R. Krishnamurthy, A.K. Singh, S. K. Bajpai- Indian Health Scenario (Perspectives and Dimensions) Serial Publication.
- ImranaQadeer-Public Health in India (2011) Danish Books.
- J. S. Mathur- A Comprehensive Textbook of Community Medicine, CBS Publisher and Distributors 2008
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social Medicine), CBS Publishers, New Delhi

Additional Readings/References

- Carol Holtz, Global Health Care:Issues& Policies Jones and Bartlett Publisher, USA 2008.
- F. Douglas Scutchfield, C. William Keck, Principles of Publics Health Practice.
- Mary Jane Schneider, Introduction to Public Health, Jones and Bartlett Publisher, USA 2004
- James F. Mckenzie, Robert R. Pinger, Jerome E. Kotecki, An Introduction to Community Health (Fifth edition) Jones and Bartlett Publisher, USA 2005.
- Oxfords textbook of Public Health Fifth edition Vol 1,2,3

Title of Course	:	Community Geriatrics, Mental Health, Alcoholism and Drug Abuse
CC/DSE/GE/VA	:	DSE 405 B
Course Code	:	CGMHADA
Year	:	Second
Level	:	Forth semester
Course Objectives	:	<ul style="list-style-type: none"> ○ Developing an understanding about the importance of Community geriatric care, mental health , Alcoholism and Drug Abuse in public health . ○ To familiarize with the importance of mental health and prevention of mental health problems. ○ To get introductory knowledge about cause, treatment and prevention of alcoholism and drug dependence
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt about Community geriatric care, adolescent health and mental health. ○ Students would also have learnt the importance of mental health and prevention of mental health problems. ○ Students would have been introduced about cause, treatment and prevention of alcoholism and drug dependence
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1		Understanding the concept Geriatric care
1.1		Community Geriatrics: Basic concepts, Definition, objectives, demographic scenario
1.2		Geriatric care services, principles underlying preventive geriatrics
1.3		Needs of the elderly
1.4		Maintenance of Welfare of Parents and Senior Citizens Act 2007
Unit 2		Importance of Geriatrics
1.1		Demography of Geriatrics-global and India,
1.2		Health problems of Elderly,
1.3		Health services for geriatrics
Unit 3		Initiatives on Geriatrics
1.1		Old age homes
1.2		Voluntary organizations working in geriatrics
1.3		Social welfare for geriatrics
Unit 4		Importance of Mental Health
1.1		Mental Health: Concept, Importance, Promoters and Obstructers
1.2		Mental Health Problems : Causes, Types, Bio-psychosocial model of mental illness, Prevention of Mental Health problems
1.3		
1.4		Mental Health care Act 2017, Community mental health program
Unit 5		Alcoholism & Drug Dependence
1.1		Alcoholism : Epidemiological Factors and prevention
1.2		Drug Dependence: Epidemiological Factors And Prevention

Core Readings/References

- G.R. Krishnamurthy, A.K. Singh, S. K. Bajpai- Indian Health Scenario (Perspectives and Dimensions) Serial Publication.
- ImranaQadeer-Public Health in India (2011) Danish Books.
- J. S. Mathur- A Comprehensive Textbook of Community Medicine, CBS Publisher and Distributors 2008
- K. Park, Textbook of Preventive & Social Medicine, BanarsidasBhanot Publishers Jabalpur India
- Piyush Gupta, O.P. Ghai, Textbook of Preventive & Social Medicine CBS Publishers, New Delhi
- SundarLal, Adarsh, Pankaj, Textbook of Community Medicine (Preventive & Social
- Medicine), CBS Publishers, New Delhi

AdditionalReadings/References

- Carol Holtz, Global Health Care:Issues& Policies Jones and Bartlett Publisher, USA 2008.
- F. Douglas Scutchfield, C. William Keck, Principles of Publics Health Practice.
- Mary Jane Schneider, Introduction to Public Health, Jones and Bartlett Publisher, USA 2004
- James F. Mckenzie, Robert R. Pinger, Jerome E. Kotecki, An Introduction to Community Health (Fifth edition) Jones and Bartlett Publisher, USA 2005.
- Oxford Textbook Of Public Health Fifth Edition, Volume 2- Methods Of Public Health, Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxforduniversity Press 2009
- Oxford textbook Of Public Health Fifth Edition (Volume 3-The Practice Of Public Health) , Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxforduniversity Press 2009
- The New Public Health , Second Edition, Theodore H. Tulchinsky, Elena A. Varavikova 2009 , Academic Press
- Oxford Textbook Of Public Health Fifth Edition, Volume 2- The Scope Of Public Health, Roger Detel, R.Beaglehole, M.A. Lansung, Martin Gulliford, Oxford University Press 2009

**Generic/Open Elective Course /Ability Enhancement/ Skills Enhancement / Value Added
Course/MOOCs (Select any ONE)**

Title of Course	:	Personality and Psycho-Somatic Factors of Health
CC/DSE/GE/VA	:	AE/SE 406 A
Course Code		PPSFH
Year		Second
Level		Forth Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ Learning about development of personality and Psycho-somatic Factors of Health ○ Develop understanding about psycho-somatic illness and application of psycho-somatic medicine .
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have Learnt about development of personality and Psycho-somatic Factors of Health ○ Students would have learnt to develop understanding about psycho-somatic illness and application of psycho-somatic medicine.
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course content		
Unit 1		Understanding the Concept of Personality
1.1		Personality- Concept, Meaning and Stages
1.2		Determinants of Personality
1.3		Role of heredity and environment in personality development
Unit 2		Theories of Personality and Personality disorders
1.1		Theories of Personality by Sigmund Freud, Carl Jung
1.2		Theory of Personality given by Alfred Alder, karen Horney, Sullivan
Unit-3		Psycho-somatic illness
1.1		Psycho-somatic factors of Illness
1.2		Psycho-somatic diagnosis – Meaning and Importance
1.3		Steps in Psycho-somatic Diagnosis, Diagnostic Aids
Unit-4		Psycho-Somatic Medicine
1.1		Psycho-Somatic Medicine:Types and Importance
1.2		Methods of Application
1.3		Common Physical Diseases ,
1.4		Role of Medical Social Worker in psycho-somatic medicine
Unit-5		Management Of Personality Disorders
1.1		Personality disorders: cause, type and symptoms
1.2		Methods of treatment of personality disorders
1.3		Personality, wellbeing and health

Core Readings/References

- UpendraBhakta, Abnormal Psychology, Random Publication, New Delhi.
- Bruce Simons-Morton, Kenneth R. Mcleroy, Monica L. Wendel, Behaviour Theory in health Promotion Practice and Research

- Robert C. Carson, James N Butcther, Susan Mineka, Jill M. Hooley, Abnormal Psychology, Pearson Education.

Additional Readings/References

- Health Promotion (3rd Edition) Jackie Green, Keith Tones, Ruth Cross & James Woodall, SAGE 2015
- Health Of The Human Spirit - Spiritual Dimensions For Personal Health (Second Edition) Brian Luke Seaward, Jones And Bartlett Learning 2013

Title of Course	:	Basic Concepts On Alternative Systems Of Medicine And Medical Pluralism
CC/DSE/GE/VA	:	AE/SE 406 B
Course Code	:	BCAMMP
Year	:	Second
Level	:	Forth Semester
Course Objectives	:	<ul style="list-style-type: none"> ○ To learn about the basic concepts on alternative systems of medicine as in medical pluralism ○ To learn about the various councils on alternative systems of medicine ○ To learn about the basic principles on alternative systems of medicine
Course Outcomes	:	<ul style="list-style-type: none"> ○ Students would have learnt about the meaning of various alternative systems of medicine ○ Students would have learnt about the functioning of various councils on alternative systems of medicine ○ Students would have appreciated about the place of alternative systems of medicine in medical pluralism
Pedagogy	:	Lecture cum discussion, brain storming, case study analysis and discussion, interactive/facilitated discussions, peer group interaction, field exposure visits, lectures by guest or visiting faculties and practitioners, skill workshops, opportunity to attend seminar and conferences, career guidance
Course Content		
Unit 1	:	Basics of alternative systems of medicine
1.1		fundamentals and meaning of the alternative systems of medicine
1.2		Meaning of Ayurveda, Unani, Siddha, Homoeopathy
Unit 2	:	Basics of other alternative systems of medicine
1.1		Fundamentals and meaning of the systems- Yoga, Naturopathy, Sowa Rigpa,
1.2		Pranic healing, Acupuncture.
Unit 3	:	About the councils of Ayurveda and Unani-
1.1		Central Council of Indian Medicine, About the council of Homoeopathy
1.2		Central Council of Homoeopathy.
Unit 4	:	About the councils of Yoga and Naturopathy
1.1		Quality Council of India, About the council of Sidhha- National Institute of
1.2		Sidhha, About the council of Sowa Rigpa- Institute of Tibetan Medicine.
Unit 5	:	Private institutions/councils related to healing
1.1		To Pranic healing and Acupuncture
1.2		Role of all these systems of medicine in medical pluralism in society.

Core Readings / References:

- Website of AYUSH ministry, Government of India.
- Websites related to acupuncture and pranic healing.
- Frequently Asked Questions on all these systems of medicine on the official website of AYUSH ministry.

Title of Course	:	Paper 6: Massive Open Online Courses (MOOCs)
CC/DSE/GE/VA	:	AE/SE 306 C
Course Code	:	MOOCs
Year	:	Second
Level		Forth Semester
<p>Student can select any MOOCs course which is approved by the department or University or University Grant Commission (UGC) Certificate of the course is required.</p>		