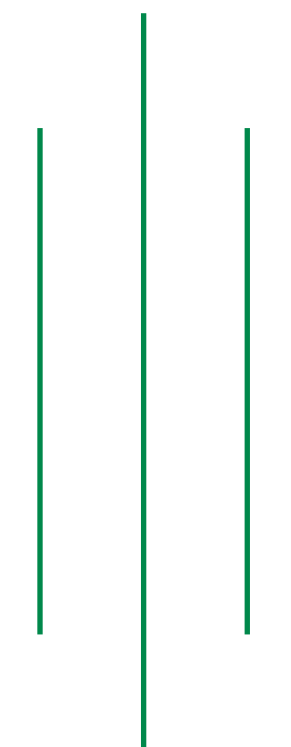


Syllabus for Licensing Exam of Master in Health Promotion and Education (MHPE) 2022



Nepal Health Professional Council

Bansbari, Kathmandu

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S.N.	Topics	Marks
1	Foundation of Health Promotion and Education	6
2	Epidemiology	6
3	Biostatistics and Demography and Health	6
4	Family Health and Nutrition	6
5	Applied Sociology, Anthropology and Research Methodology in Health Promotion and Education	7
6	Health System Management and Health Economics	6
7	Environmental and Occupational Health	7
8	Public Health Theory, Practice and International Health	6
9	Advanced Communication for Health Promotion and Education	15
10	Health Promotion and education Practice and Project Management	15
11	Advanced research and Biostatics in Health Promotion and Education	20
	Total	100%

SN	Subjects/areas/domains		Course contents	Marks distribution	
	Units	Sub units		Marks	Total
1	Foundation of Health Promotion and Education		Meaning, philosophy, scope, aim and principles of Health promotion and education, role, responsibility and competencies of Health education professional, code of ethics, International discourse in health promotion and education, Historical development, international declarations, statements, charter, IUHPE, Vic Health, Learning, motivation and perception in health education, Change Process, Theories, models and framework of HPE, Health Education Program Planning, Implementation and Evaluation, Role of health education in Public health programs, primary health care, Current situation of Health promotion and education in Nepal	6	6
2	Epidemiology		Epidemiological concepts and evolutions, different fields of epidemiology (field, nutritional, social, reproductive, environmental epidemiology), measurement of morbidity, mortality, disability and association; Epidemiological study designs, Association and causation, Errors and bias in epidemiological studies, application of epidemiology in public health: screening, surveillance, Outbreak investigation; Epidemiology, health policy and planning.	6	6
3	Biostatistics and Demography and Health	Biostatistics	Introduction, data tabulation and presentation; Descriptive statistics, Probability distribution, Sampling theory, Sampling distribution and estimation.	2	6
		Demography and Health	Introduction to demography and health; Fertility, reproduction, and fertility theories; Mortality, life table and mortality theories; Migration and migration theories; Nuptiality, Urbanization and urbanization theories; Population dynamics, Population policy, Population estimates and projections; Population theory and policy, Human Development indicators.	4	

SN	Subjects/areas/domains		Course contents	Marks distribution	
	Units	Sub units		Marks	Total
4	Family Health and Nutrition	Family Health	Introduction to family health, Reproductive Health, Safe motherhood, Family planning, reproductive health problems, Adolescent and youth health, Child health, Gender and health, Aging and health, Equity and Health, community mental health.	4	6
		Nutrition	Nutrition Science, Nutritional requirements at different stages of life, food security; nutritional problems, Nutrition policy, strategies and nutritional deficiency diseases,	2	
5	Applied Sociology, Anthropology and Research Methodology in Health Promotion and Education	Applied Sociology, Anthropology	Introduction to sociology and Anthropology, Critical understanding of Public health and cultural anthropology/ sociology, Application of theory of sociology and Anthropology in public health, Culture and health, Theories and models of behavior and behavior change, social psychology, Research methods of Sociology/ Anthropology	5	7
		Research Methodology in Health Promotion and Education	Theoretical orientation on health research methods, Process of research; Quantitative, Qualitative and mixed Methods in research; research proposal and research report writing; dissemination of research findings; Health Ethics and Law, Evidence Based Public Health and public health Practices, Advances in health system research, Manuscripts writing, plagiarism; concepts of systematic reviews and meta-analysis, ethical issues in health research.	2	

SN	Subjects/areas/domains		Course contents	Marks distribution	
	Units	Sub units		Marks	Total
6	Health System Management and Health Economics	Health System Management	Overview of management, Management Theories, Decision making and problem solving, team management, time management, conflict management, stress management, Human resource management, concept of health system management, structure and function of health system, Human resource management, information management system and their use, logistic system management, Quality assurance in Health care	4	6
		Training and curriculum development	Introduction to training and Health workforce development, planning, implementation and evaluation of training on HPE, Curriculum development	1	
		Health Economics	Microeconomic Tools for Health Economics, Preference and utilities, Production for health services, concepts of Price and costs, Market Mechanisms, Health as Human Capital, Macroeconomics in health service delivery, Economic Evaluation Techniques, Health care financing	1	
7	Environmental and Occupational Health	Environmental health	Environment and health, Water and health, environmental issues of public health concerns, Waste management, Excreta disposal and health, Air pollution and its impact, Climate change and health impacts, Food and Environment, Radiation and health, Food safety and hygiene.	4	7
		Occupational Health	Concepts of occupation health and its components, Occupational diseases, Ergonomics and workers compensation, Occupational safety and health situation in Nepal, consumers protection acts/rules/laws/guideline.	3	

SN	Subjects/areas/domains		Course contents	Marks distribution	
	Units	Sub units		Marks	Total
8	Public Health Theory, Practice and International Health	Public Health Theory, Practice	<p>Concepts of Public Health, its Historical development, principles, scope and subject matter, Ethical dilemma of public health and factors influencing public health practice, Health disparities and public health, Interdisciplinary approach in public health, Public health education.</p> <p>Primary health care to sustainable development Goals, Revitalization of PHC in Nepal, Health Care Reform Concepts and strategies.</p>	4	6
		International Health	<p>Concept, background, scope and methods of international health and Global Health, Globalization and Health: Key players of globalization, Major global events: Geneva Convention, ICPD, Bamako Initiative, FCTC, Paris Declaration on Aid Effectiveness and International Health Partnership (IHP); External development partners and their contributions in Nepal; People's Health Movement.</p>	2	
9	Advanced Communication for Health Promotion and Education		<p>Meaning, principles, elements, functions of communication, Determinants of communication effectiveness, factors influencing communication, Type of appeal for communication, risk communication, non-violence communication, mass media, social media, methods and media mix, theories and principles of health communication program for behavior change communication, IEC, BCC, SBCC, P process, Critical appraisal of Methods and Media, Message and material development</p>	15	15

SN	Subjects/areas/domains		Course contents	Marks distribution	
	Units	Sub units		Marks	Total
10	Health Promotion and education Practice and Project Management		<p>Introduction to HPE practices, Challenges in HPE practices</p> <p>Code of conduct in HPE practices</p> <p>National and international experiences in HPE practices: FCTC, MPOWER, Tobacco control in Nepal, WNTD, Approaches to health promotion and education,</p> <p>Setting Approach in HPE: Healthy cities/ villages/ markets, Health promoting school, Hospitals, Workplaces, Universities and prisons,</p> <p>Application of different models for health promotion program PIE-PRECEDE-PROCEED, CHEM, MHEP, MHEPRD, CFHPPP,</p> <p>Development of Health Promotion and Education Project</p> <p>Strategic approaches of HPE-Community participation, Empowerment, Leadership, Partnership, Social mobilization, Mediation, Evidence based advocacy, Enabling</p>	15	15
11	Advanced research and Biostatics in Health Promotion and Education	Research for analytical and experimental study designs	<p>Behavior research:</p> <p>Meaning, Definition, theory based definition and operationalization of behavioral constructs, its measurement, analysis and interpretation including evaluation of health promotion, health education and communication action research projects.</p> <p>Estimation: Definition of population and sample, concept of central limit theorem, standard error of mean and proportion, sample size estimation for mean and proportion, estimation, estimator, criteria of good estimator, point and interval estimation for mean(when SD is known and unknown)and proportion, sample size estimation for intervention studies.</p>	20	20

SN	Subjects/areas/domains		Course contents	Marks distribution	
	Units	Sub units		Marks	Total
			<p>Hypothesis testing: Concepts of hypothesis, null and alternative hypothesis, formulation of a statistical hypothesis, level of significance, type I and type II errors, level of significance, power of test, Concept of p value, connection between p value and confidence limit, Parametric and non-parametric test of significance: z-test and t- test for one sample & two samples means and proportions and correlation coefficient, one way analysis of variance (Parametric test), The sign test, Mann Whitney U test, Wilcoxon Matched Pair signed-rank test, Friedman test, Chi square test, fisher 88 exact test, McNemar test (non-parametric test), Advantages and disadvantages of non-parametric methods.</p> <p>Correlation and regression analysis: Independent and dependent variables, definition of correlation, two-wayscatterplot, Karl Pearsons' correlation coefficient, Spearman rank correlation coefficient and its significance, properties of correlation coefficient, Concept of regression analysis for two variables and compute the regression coefficients for simple linear regression model, least square regression equation, coefficient of determination, Analysis of variance (ANOVA) and multiple linear regressions, logistic regression</p>		