

**Course Competency Booklet
for
Colorado School of Public Health at
Colorado State University**

Updated: July of 2022

AGRI 5000 – Advanced Issues in Agriculture

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

AGRI 5460 – Principles of Cooperative Extension

CN-APE 4: Develop strategies for optimal communication and collaboration between human, animal, and environmental health professionals.

AGRI 5470 – Delivery of Cooperative Extension Programs

CN-APE 4: Develop strategies for optimal communication and collaboration between human, animal, and environmental health professionals.

AGRI 6950 – Agriculture Independent Study

Varies based on individual student

ANEQ 5670 – HACCP Meat Safety

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

ANEQ 6760 – Molecular Approaches to Food Safety

CN-APE 1 - Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

ANTP 5050 – Resilience, Well-Being and Social Justice

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

ANTP 5200 – Women, Health and Culture

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

ANTP 5320 – The Culture of Disaster

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

ANTP 5380 – Food, Hunger and Culture

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

ANTP 5400 – Medical Anthropology

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

ANTP 5450 – Culture and Mental Health (Global Mental Health: Theory and Method)

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

ANTP 5710 – Anthropology and Global Health

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

ANTH 6950 – Anthropology Independent Study

Varies based on individual student

AREC 5720 – Social Benefit-Cost Analysis

FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context.

FN-MPH 11: Select methods to evaluate public health programs.

FN-MPH 15: Evaluate policies for their impact on public health and health equity.

CBHS 6612 – Methods in Research Evaluation (CU-Anschutz)

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

CBHS 6613 – Program Planning and Implementation (CU- Anschutz)

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

CBHS 6614 – Childhood Obesity (CU-Anschutz)

CN-PAHL 4: Identify and analyze historic and current trends, guidelines, recommendations, and research in the field of physical activity.

CBHS 6619 – Public Health in the Global Community (CU-Anschutz)

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CBHS 6628 – Tech-Based Health Promotion (CU-Anschutz)

CN-APE 4: Develop strategies for optimal communication and collaboration between human, animal, and environmental health professionals.

CN-HCOM 3: Identify and analyze fundamental properties of the intended audience for a communication based intervention, including demographic, psychological, sociological and cultural elements at all levels from interpersonal to mass.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CN-PAHL 7: Incorporate a variety of approaches for physical activity or healthy lifestyle promotion programs that anticipate and respect diverse values, beliefs, and cultures in the community

CBHS 6629 – Health and Human Rights (CU-Anschutz)

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CBHS 6630 – Mental Health (CU-Anschutz)

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CBHS 6632 – Public Health in the Caribbean and Latin America (CU-Anschutz)

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CHBH 5050 – Health Communications and the Media (UNC)

CN-HCOM 5: Develop a communication plan to reach relevant professional groups, the public, or policy-makers.

CHBH 5250 – Contemporary Issues in School Health (UNC)

CN-PAHL 1: Use public health data to assess the healthy lifestyle needs of a population and prioritize community-based interventions aimed at promoting physical activity or other healthy lifestyle behaviors.

CHBH 5330 – Physical Activity Interventions in the Community (UNC)

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

CHBH 6100 – Program Planning and Evaluation (UNC)

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

CHBH 6150 – Methods in Public Health Research and Evaluation (UNC)

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

EDRM 7010 – Applied Linear Models – Educational Research

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

EDRM 7030 – Applied Longitudinal Data Analysis

CN-EPID 8: Apply and interpret the concepts of effect modification, confounding, and bias in research design and analysis approaches.

EHOH 6622 – Public Health Emergency Prep – Community Resilience (CU-Anschutz)

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

EHOH 6623 – Geographic Perspective on Global Health (CU-Anschutz)

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

EHOH 6625 – International Disasters and Global Humanitarianism (CU-Anschutz)

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

EHOH 6635 – Climate Change and Health (CU-Anschutz)

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

EHOH 6710 – Disasters, Climate Change and Health (CU-Anschutz)

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

EPID 6622 – Cancer Prevention and Control (CU-Anschutz)

CN-EPID 3: Synthesize evidence in a research area to identify gaps in evidence and to demonstrate relevance of current knowledge to the practice of public health.

EPID 6634 – Applied Global Health Epidemiology (CU-Anschutz)

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

EPID 6637 – Injury/Violence Epidemiology and Prevention (CU-Anschutz)

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

EPID 6635 – Infectious Disease Epidemiology (CU-Anschutz)

CN-EPID 6: Describe best practices for design of data collection forms and protocols, instrument reliability and validity, data monitoring and quality assurance, and data archiving for analysis and use of data by other investigators.

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

EPID 6636 – Chronic Disease Epidemiology (CU-Anschutz)

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

EPID 6637 – Injury and Violence Epidemiology and Prevention (CU-Anschutz)

CN-EPID 5: Design studies to address public health topics, taking into account the strengths, limitations, and feasibility of study designs for addressing specific topics, as well as the practical aspects of their uses.

EPID 6638 – Cardiovascular Epidemiology (CU-Anschutz)

CN-EPID 4: Translate investigator ideas into answerable research questions.

EPID 6640 – Investigation of Disease Outbreaks (CU-Anschutz)

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-APE 5: Incorporate the principles of safe and secure food systems into public health problem solving.

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

EPID 6643 – Epidemiology of HIV, ST, TB (CU-Anschutz)

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-EPID 3: Synthesize evidence in a research area to identify gaps in evidence and to demonstrate relevance of current knowledge to the practice of public health.

EPID 6644 – Maternal Child Health Epidemiology (CU-Anschutz)

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

EPID 6670 – Global Health and Disaster (CU-Anschutz)

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

ERHS 5010 – Biological Bases of Public Health

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

CN-EHOH 8: Explain the scientific characteristics, including exposure and mode of action, of major biological, chemical, physical hazards that result in human health risk.

FN-MPH 4: Interpret results of data analysis for public health research, policy or practice.

ERHS 5350 – R Programming for Research

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

ERHS 5380 – Geographic Information Systems and Health

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

ERHS 5600 – Health Impact Assessment

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

FN-MPH 15: Evaluate policies for their impact on public health and health equity.

FN-MPH 4: Interpret results of data analysis for public health research, policy or practice.

ERHS 5730 – Design and Conduct of Epidemiologic Research

FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context.

FN-MPH 10: Explain basic principles and tools of budget and resource management.

FN-MPH 16: Apply leadership and/or management principles to address a relevant issue

ERHS 6380 – Geospatial Analysis for Environmental Health

FN-MPH 3: Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate

FN-MPH 4: Interpret results of data analysis for public health research, policy or practice

CN-EPID 4: Translate investigator ideas into answerable research questions.

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

ERHS 6400 – Analytical Epidemiology

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

CN-EPID 2: Critically review and evaluate public health and other scientific literature to identify threats to internal validity, strengths and weaknesses of individual studies, and assess for overall strength of evidence.

CN-EPID 5: Design studies to address public health topics, taking into account the strengths, limitations, and feasibility of study designs for addressing specific topics, as well as the practical aspects of their uses.

CN-EPID 6: Describe best practices for design of data collection forms and protocols, instrument reliability and validity, data monitoring and quality assurance, and data archiving for analysis and use of data by other investigators.

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

CN-EPID 8: Apply and interpret the concepts of effect modification, confounding, and bias in research design and analysis approaches.

ERHS 6580 – Environmental/Occupational Epidemiology

CN-EPID 3: Synthesize evidence in a research area to identify gaps in evidence and to demonstrate relevance of current knowledge to the practice of public health.

CN-EPID 5: Design studies to address public health topics, taking into account the strengths, limitations, and feasibility of study designs for addressing specific topics, as well as the practical aspects of their uses.

ERHS 6930 – Research Seminar-Epidemiology

CN-EPID 2: Critically review and evaluate public health and other scientific literature to identify threats to internal validity, strengths and weaknesses of individual studies, and assess for overall strength of evidence.

ERHS 6950 – Epidemiology Independent Study

Varies based on individual student

ERHS 7320 – Advanced Epidemiological Analysis

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

CN-EPID 8: Apply and interpret the concepts of effect modification, confounding, and bias in research design and analysis approaches.

ERHS 7400 – Advanced Epidemiology Methods II

CN-EPID 2: Critically review and evaluate public health and other scientific literature to identify threats to internal validity, strengths and weaknesses of individual studies, and assess for overall strength of evidence.

CN-EPID 4: Translate investigator ideas into answerable research questions.

CN-EPID 8: Apply and interpret the concepts of effect modification, confounding, and bias in research design and analysis approaches.

ETHS 5020 – Research Methods

FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context.

ETHS 6950 – Ethnic Studies Independent Study

Varies based on individual student

FSHN 5000 – Food Systems, Nutrition and Food Security

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

CN-APE 3: Identify ways in which agricultural and human incursion positively and adversely impact environmental and ecological health, and develop methods of minimizing negative impacts.

CN-APE 5: Incorporate the principles of safe and secure food systems into public health problem solving.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CN-PAHL 1: Use public health data to assess the healthy lifestyle needs of a population and prioritize community-based interventions aimed at promoting physical activity or other healthy lifestyle behaviors.

CN-PHN 6: Apply evidence-based public health planning strategies to design nutrition programs.

FSHN 5200 – Advanced Medical Nutrition Therapy

CN-PAHL 2: Utilize field-specific assessment tools to measure physical activity and healthy lifestyle behaviors as well as their supports and barriers.

CN-PHN 3: Analyze the effects of different dietary patterns on the primary, secondary, and tertiary prevention of various chronic diseases such as obesity, diabetes, coronary heart disease, cancer and others.

CN-PHN 5: Assess dietary intake using nutrition assessment tools and apply evidence-based approaches to best measure dietary exposures and chronic disease outcomes in populations.

FSHN 5250 – Nutrition Education Theories and Practice

CN-PAHL 1: Use public health data to assess the healthy lifestyle needs of a population and prioritize community-based interventions aimed at promoting physical activity or other healthy lifestyle behaviors.

CN-PHN 6: Apply evidence-based public health planning strategies to design nutrition programs.

FSHN 5300 – Principles of Nutrition Science and Metabolism

* CN-PHN 1: Appraise essential dietary macronutrients (carbohydrates, lipids, proteins) for their optimal sources and contribution to cellular and organ function that sustain human health and well-being.

* CN-PHN 2: Appraise essential dietary micronutrients (vitamins and minerals) for their optimal sources and contribution to cellular and organ function that sustain human health and well-being.

* CN-PHN 3: Analyze the effects of different dietary patterns on the primary, secondary, and tertiary prevention of various chronic diseases such as obesity, diabetes, coronary heart disease, cancer and others.

FSHN 5500 – Advanced Nutritional Science I

*CN-PHN 1: Apply biological principles for the development and implementation of public health nutrition programs targeted at disease prevention, control, or management.

*CN-PHN 4: Identify interactions between vitamins and minerals and other nutrients and their impact on health.

FSHN 5510 – Advanced Nutritional Science II

CN-PHN 2: Appraise essential dietary micronutrients (vitamins and minerals) for their optimal sources and contribution to cellular and organ function that sustain human health and well-being.

FSHN 6200 – Community Nutrition Planning and Evaluation

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

CN-PAHL 5: Develop strategies to engage with external partners from a variety of disciplines, including transportation and city planning, to promote physical activity or healthy lifestyles.

* CN-PHN 6: Apply evidence-based public health planning strategies to design nutrition programs.

* CN-PHN 7: Apply evidence-based public health evaluation strategies to assess effectiveness of nutrition programs.

FSHN 6280 – Advanced Nutrition Counseling Techniques

CN-PHN 3: Analyze the effects of different dietary patterns on the primary, secondary, and tertiary prevention of various chronic diseases such as obesity, diabetes, coronary heart disease, cancer and others.

FSHN 6400 – Selected Topics in Nutritional Epidemiology

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-APE 5: Incorporate the principles of safe and secure food systems into public health problem solving.

CN-PAHL 2: Utilize field-specific assessment tools to measure physical activity and healthy lifestyle behaviors as well as their supports and barriers.

* CN- PHN 4: Analyze and interpret nutritional data using epidemiological principles to assess chronic disease outcomes.

* CN-PHN 5: Assess dietary intake using nutrition assessment tools and apply evidence-based approaches to best measure dietary exposures and chronic disease outcomes in populations.

FSHN 6500 – Nutrition – Proteins

CN-PAHL 1: Use public health data to assess the healthy lifestyle needs of a population and prioritize community-based interventions aimed at promoting physical activity or other healthy lifestyle behaviors.

CN-PHN 1: Appraise essential dietary macronutrients (carbohydrates, lipids, proteins) for their optimal sources and contribution to cellular and organ function that sustain human health and well-being.

FSHN 6501 – Recent Developments in Human Nutrition – Carbohydrates, Lipids, and Energy

CN-PAHL 1: Use public health data to assess the healthy lifestyle needs of a population and prioritize community-based interventions aimed at promoting physical activity or other healthy lifestyle behaviors.

CN-PHN 1: Appraise essential dietary macronutrients (carbohydrates, lipids, proteins) for their optimal sources and contribution to cellular and organ function that sustain human health and well-being.

FSHN 6502 - Recent Developments in Human Nutrition – Genomics, Proteomics, and Metabolomics

CN-PAHL 1: Use public health data to assess the healthy lifestyle needs of a population and prioritize community-based interventions aimed at promoting physical activity or other healthy lifestyle behaviors.

CN-PHN 3: Analyze the effects of different dietary patterns on the primary, secondary, and tertiary prevention of various chronic diseases such as obesity, diabetes, coronary heart disease, cancer and others.

FSHN 6600 - Women’s Issues in Lifecycle Nutrition

CN-PAHL 7: Incorporate a variety of approaches for physical activity or healthy lifestyle promotion programs that anticipate and respect diverse values, beliefs, and cultures in the community

CN-PHN 2: Appraise essential dietary micronutrients (vitamins and minerals) for their optimal sources and contribution to cellular and organ function that sustain human health and well-being.

CN-PHN 6: Apply evidence-based public health planning strategies to design nutrition programs.

FSHN 6610 - International Nutrition

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CN-PHN 3: Analyze the effects of different dietary patterns on the primary, secondary, and tertiary prevention of various chronic diseases such as obesity, diabetes, coronary heart disease, cancer and others.

CN-PHN 6: Apply evidence-based public health planning strategies to design nutrition programs.

FSHN 6950 – Independent Study-Food Science

Varies based on individual student

FSHN 6951 – Independent Study-Nutrition

Varies based on individual student

FTEC 5720 – Food Biotechnology

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

FTEC 5740 - Current Issues in Food Safety

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-APE 5: Incorporate the principles of safe and secure food systems into public health problem solving.

CN-PHN 6: Apply evidence-based public health planning strategies to design nutrition programs.

FWLD 5440 – Ecotoxicology

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

HDFS 5920 – Grant Writing – Human Services and Research

CN-PAHL 4: Identify and analyze historic and current trends, guidelines, recommendations, and research in the field of physical activity.

HDFS 6070 – Prevention Science Across the Lifespan

FN-MPH 4: Interpret results of data analysis for public health research, policy or practice

FN-MPH 11: Select methods to evaluate public health programs

HDFS 6080 – Program Planning and Implementation

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

HDFS 6090 – Prevention Program Evaluation

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

HDFS 6100 – Risk and Resilience

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

HDFS 6120 – Adolescent Development

See Competencies for the Maternal and Child Health concentration at the Anschutz campus

HDFS 6500 – Research Methods II

FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context

FN-MPH 3: Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.

HDFS 6950 – Independent Study - Human Development

Varies based on individual student

HESC 6000 – Research Design

FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context

FN-MPH 4: Interpret results of data analysis for public health research, policy or practice.

HESC 6450 – Epidemiology of Health and Physical Activity

CN-PAHL 6: Describe the effects of physical activity on primary, secondary and tertiary prevention of various chronic diseases such as heart disease, stroke, diabetes mellitus, cancer, arthritis, asthma, osteoporosis or obesity.

HESC 6500 – Health Promotion Programming

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

HESC 6950 – Independent Study-Health

Varies based on individual student

HSMP 6615 – Current Global Health Policy Issues (CU-Anschutz)

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

HSMP 6633 – Management of Nonprofit Organizations (CU-Anschutz)

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

IEOO 6790 - Advanced International Development

FN-MPH 6: Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and systemic levels.

FN-MPH 8: Apply awareness of cultural values and practices to the design, implementation, or critique of public health policies or programs

FN-MPH 14: Advocate for political, social or economic policies and programs that will improve health in diverse populations

JTCM 5010 – Process and Effects of Communication

CN-HCOM 1: Apply theory and strategy-based communication principles across different settings for public health practice.

JTCM 6140 – Public Communication Campaigns

CN-APE 4: Develop strategies for optimal communication and collaboration between human, animal, and environmental health professionals.

CN-HCOM 1: Apply theory and strategy-based communication principles across different settings for public health practice.

*CN-HCOM 2: Design a communication-based public health intervention applying best practices of message production and delivery for a target audience.

*CN-HCOM 3: Identify and analyze fundamental properties of the intended audience for a communication based intervention, including demographic, psychological, sociological and cultural elements at all levels from interpersonal to mass.

*CN-HCOM 4: Assess the critical relationship between formative and evaluative research in the ongoing delivery of a communication based intervention.

*CN- HCOM 5: Develop a communication plan to reach relevant professional groups, the public, or policy-makers.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CN-PAHL 7: Incorporate a variety of approaches for physical activity or healthy lifestyle promotion programs that anticipate and respect diverse values, beliefs, and cultures in the community

JTCM 6300 - Health Communication

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

CN-HCOM 1: Apply theory and strategy-based communication principles across different settings for public health practice.

CN-HCOM 2: Design a communication-based public health intervention applying best practices of message production and delivery for a target audience.

CN-HCOM 3: Identify and analyze fundamental properties of the intended audience for a communication based intervention, including demographic, psychological, sociological and cultural elements at all levels from interpersonal to mass.

CN-HCOM 4: Assess the critical relationship between formative and evaluative research in the ongoing delivery of a communication based intervention.

CN- HCOM 5: Develop a communication plan to reach relevant professional groups, the public, or policy-makers.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CN-PAHL 7: Incorporate a variety of approaches for physical activity or healthy lifestyle promotion programs that anticipate and respect diverse values, beliefs, and cultures in the community

JTCM 6500 – Strategic Communications

CN-HCOM 5: Develop a communication plan to reach relevant professional groups, the public, or policy-makers.

JTCM 6600 – Communication and Innovation

CN-HCOM 1: Apply theory and strategy-based communication principles across different settings for public health practice.

JTCM 6610 – Information Design

CN-HCOM 3: Identify and analyze fundamental properties of the intended audience for a communication based intervention, including demographic, psychological, sociological and cultural elements at all levels from interpersonal to mass.

JTCM 6700 – Communication in the Social Processes of Risk

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

CN-HCOM 1: Apply theory and strategy-based communication principles across different settings for public health practice.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

CN-PAHL 1: Use public health data to assess the healthy lifestyle needs of a population and prioritize community-based interventions aimed at promoting physical activity or other healthy lifestyle behaviors.

JTCM 6950 – Independent Study - Communication

Varies based on individual student

MIPO 5550 – Principles and Mechanisms of Disease

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

NRRT 6650 – Survey Research and Analysis

FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context

PBHC 5160 – Public Health Foundations

*FN-MPH 17: Apply negotiation and mediation skills to address organizational or community challenges

*FN-MPH 20: Describe the importance of cultural competence in communicating public health content

*FN-MPH 21: Integrate perspectives from other sectors and/or professions to promote and advance population health

PBHC 5200 – Healthcare Systems, Policy and Management

*FN-MPH 5: Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings

*FN-MPH 10: Explain basic principles and tools of budget and resource management

*FN-MPH 12: Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence

*Notes when a course is responsible for assessing that specific competency

*FN-MPH 14: Advocate for political, social or economic policies and programs that will improve health in diverse populations

*FN-MPH 15: Evaluate policies for their impact on public health and health equity

*FN-MPH 16: Apply leadership and/or management principles to address a relevant issue

PBHC 5300 – Environmental Public Health and Policy

*FN-MPH 19: Communicate audience-appropriate (i.e., non-academic, non-peer audience) public health content, both in writing and through oral presentation

*FN-MPH 22: Apply a systems thinking tool to visually represent a public health issue in a format other than standard narrative

PBHC 5340 – Public Health Data Management Using SAS

CN-BIOS 6: Use the principles of hypothesis testing and estimation of population parameters to draw inferences from quantitative data and communicate orally and in writing those inferences and their statistical and scientific interpretation to non-statistical scientists.

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing, and displaying data.

PBHC 5400 – One Health in Public Health

*CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

*CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

*CN-APE 3: Identify ways in which agricultural and human incursion positively and adversely impact environmental and ecological health, and develop methods of minimizing negative impacts.

*CN-APE 4: Develop strategies for optimal communication and collaboration between human, animal, and environmental health professionals.

*CN-APE 5: Incorporate the principles of safe and secure food systems into public health problem solving.

PBHC 5500 – Applied Behavior Change Theory

*FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context

*FN-MPH 3: Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate

*FN-MPH 6: Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and systemic levels

*FN-MPH 7: Assess population needs, assets and capacities that affect communities' health

*FN-MPH 8: Apply awareness of cultural values and practices to the design, implementation, or critique of public health policies or programs

*FN-MPH 9: Design a population-based policy, program, project or intervention

*FN-MPH 11: Select methods to evaluate public health programs

*FN-MPH 13: Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes

*FN-MPH 18: Select communication strategies for different audiences and sectors

PBHC 5600 – Public Health Data Analysis

*Notes when a course is responsible for assessing that specific competency

*FN-MPH 3: Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate

*FN-MPH 4: Interpret results of data analysis for public health research, policy or practice

PBHC 5700 – Epidemiology for Public Health

*FN-MPH 1: Apply epidemiological methods to the breadth of settings and situations in public health practice

*FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context

*FN-MPH 4: Interpret results of data analysis for public health research, policy or practice

PBHC 5750 – Epidemiological Research for Public Health

CN-EPID 2: Critically review and evaluate public health and other scientific literature to identify threats to internal validity, strengths and weaknesses of individual studies, and assess for overall strength of evidence.

CN-EPID 3: Synthesize evidence in a research area to identify gaps in evidence and to demonstrate relevance of current knowledge to the practice of public health.

CN-EPID 4: Translate investigator ideas into answerable research questions.

CN-EPID 5: Design studies to address public health topics, taking into account the strengths, limitations, and feasibility of study designs for addressing specific topics, as well as the practical aspects of their uses.

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

CN-EPID 8: Apply and interpret the concepts of effect modification, confounding, and bias in research design and analysis approaches.

PBHC 6300 – Field Methods of Disease Investigation

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-APE 4: Develop strategies for optimal communication and collaboration between human, animal, and environmental health professionals.

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

PBHC 6440 – Physical Activity and Public Health

*CN-PAHL 1: Use public health data to assess the healthy lifestyle needs of a population and prioritize community-based interventions aimed at promoting physical activity or other healthy lifestyle behaviors.

*CN-PAHL 2: Utilize field-specific assessment tools to measure physical activity and healthy lifestyle behaviors as well as their supports and barriers.

*CN-PAHL 3: Apply nationally-recognized, evidence-based physical activity promotion approaches to the implementation and evaluation of community health promotion programs.

*CN-PAHL 4: Identify and analyze historic and current trends, guidelines, recommendations, and research in the field of physical activity.

*CN-PAHL 5: Develop strategies to engage with external partners from a variety of disciplines, including transportation and city planning, to promote physical activity or healthy lifestyles.

*CN-PAHL 6: Describe the effects of physical activity on primary, secondary and tertiary prevention of various chronic diseases such as heart disease, stroke, diabetes mellitus, cancer, arthritis, asthma, osteoporosis or obesity.

*CN-PAHL 7: Incorporate a variety of approaches for physical activity or healthy lifestyle promotion programs that anticipate and respect diverse values, beliefs, and cultures in the community

PBHC 6600 – Quantitative Methods in Public Health II

MPH 2 - Select quantitative and qualitative data collection methods appropriate for a given public health context

MPH 3 - Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.

MPH-EPID 5 - Design studies to address public health topics, taking into account the strengths, limitations, and feasibility of study designs for addressing specific topics, as well as the practical aspects of their uses.

MPH-EPID 6 - Describe best practices for design of data collection forms and protocols, instrument reliability and validity, data monitoring and quality assurance, and data archiving for analysis and use of data by other investigators

PBHC 6860 – Public Health Practicum

Varies by student

FN-MPH 21: Integrate perspectives from other sectors and/or professions to promote and advance population health

PBHC 6920 – Public Health Seminar - APE

Varies by topic

PBHC 6921 – Public Health Seminar - EPI

Varies by topic

PBHC 6922 – Public Health Seminar - GHHD

Varies by topic

PBHC 6923 – Public Health Seminar - HCOM

Varies by topic

PBHC 6924 – Public Health Seminar - PAHL

Varies by topic

PBHC 6925 – Public Health Seminar - PHN

Varies by topic

PBHC 6926 – Public Health Seminar – Public Health

Varies by topic

PBHC 6950 – Public Health Independent Study

Varies by student

*Notes when a course is responsible for assessing that specific competency

PBHC 6960 – Public Health Group Study

Topics will vary

PBHC 6980- CSU Public Health Capstone

Varies by student

PHLY 5640 – Seminar in Animal Rights

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

PHLY 6660 – Science and Ethics

FN-MPH 14: Advocate for political, social or economic policies and programs that will improve health in diverse populations

POLS 6650 – Public Policy Analysis

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

POLS 6700 – Politics of Environment and Sustainability

CN-APE 3: Identify ways in which agricultural and human incursion positively and adversely impact environmental and ecological health, and develop methods of minimizing negative impacts

PSCY 5150 - Women's Health

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

PSCY 5170 – Perspectives in Global Health

CN-APE 2: Analyze how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health.

*CN-GHHD 1: Use a population pyramid to assess the role of demographic characteristics in shaping patterns of morbidity, mortality, and health service needs of a specified community, country, or region.

*CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

*CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

*CN-GHHD 4: Conduct a situation analysis across a range of cultural, economic, and health contexts.

*CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

PSCY 6000 – Health Psychology

*Notes when a course is responsible for assessing that specific competency

CN-PAHL 6: Describe the effects of physical activity on primary, secondary and tertiary prevention of various chronic diseases such as heart disease, stroke, diabetes mellitus, cancer, arthritis, asthma, osteoporosis or obesity.

PSCY 6530 – Methods of Research in Psychology II

FN-MPH 3: Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.

SOCO 5620 – Sociology of Food Systems and Agriculture

CN-APE 3: Identify ways in which agricultural and human incursion positively and adversely impact environmental and ecological health, and develop methods of minimizing negative impacts

SOCO 6620 – Sociological Policy Analysis

FN-MPH 15: Evaluate policies for their impact on public health and health equity

SOCO 6950 – Independent Study – Sociology

Varies by student

SOWK 5300 – Anti-Oppressive Social Work Practice

CN-GHHD 2: Describe the roles and relationships of the entities (such as NGOs, national governmental agencies, and international organizations) influencing global health and health disparities.

CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

SPCM 5380 – Communicating in the Health Clinic

*CN-HCOM 1: Apply theory and strategy-based communication principles across different settings for public health practice.

CN-HCOM 2: Design a communication-based public health intervention applying best practices of message production and delivery for a target audience.

CN-HCOM 3: Identify and analyze fundamental properties of the intended audience for a communication based intervention, including demographic, psychological, sociological and cultural elements at all levels from interpersonal to mass.

CN-HCOM 4: Assess the critical relationship between formative and evaluative research in the ongoing delivery of a communication based intervention.

CN-HCOM 5: Develop a communication plan to reach relevant professional groups, the public, or policy-makers.

SPCM 6320 – Theories of Interpersonal Communication

CN-HCOM 1: Apply theory and strategy-based communication principles across different settings for public health practice.

SPCM 6390 – Communication Theory

*CN-HCOM 1: Apply theory and strategy-based communication principles across different settings for public health practice. (Assesses competency in years that SPCM 5380 is not available)

STAS 5110 – Design and Data Analysis for Researchers

FN-MPH 3: Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.

*Notes when a course is responsible for assessing that specific competency

VM 637/DVM Transfer – Bacteriology and Mycology

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

VM 638/DVM Transfer – Veterinary Parasitology

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-APE 5: Incorporate the principles of safe and secure food systems into public health problem solving.

VM 707/DVM Transfer – Emerging Issues in Infectious Diseases

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-EPID 2: Critically review and evaluate public health and other scientific literature to identify threats to internal validity, strengths and weaknesses of individual studies, and assess for overall strength of evidence.

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

VM 714/DVM Transfer – Veterinary Preventative Medicine

APE 1 - Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-EPID 1: Compare and prioritize public health issues within and across populations, using epidemiologic methods including measures of prevalence, incidence, morbidity, mortality, demographic characteristics and risk factors.

CN-EPID 5: Design studies to address public health topics, taking into account the strengths, limitations, and feasibility of study designs for addressing specific topics, as well as the practical aspects of their uses.

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

VSCS 5330 – Epidemiology of Infectious Diseases and Zoonoses

CN-EPID 5: Design studies to address public health topics, taking into account the strengths, limitations, and feasibility of study designs for addressing specific topics, as well as the practical aspects of their uses.

CN-EPID 8: Apply and interpret the concepts of effect modification, confounding, and bias in research design and analysis approaches.

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

VSCS 6480/VM 648 DVM Transfer – Food Animal Production and Food Safety

CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

CN-APE 5: Incorporate the principles of safe and secure food systems into public health problem solving.

CN-GHHD 5: Design context-specific health interventions based upon a situation analysis.

VSCS 7950 – Independent Study-Epidemiology

Varies based on individual student