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

Updated: November of 2018
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: Analyze issues regarding awareness and communication that impact optimal collaboration between human, animal, and environmental health professionals.

AGRI 5470 – Delivery of Cooperative Extension Programs
CN-APE 4: Analyze issues regarding awareness and communication that impact optimal collaboration between human, animal, and environmental health professionals.
CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

AGRI 6950 – Agriculture Independent Study
Varies based on individual student

ANEQ 5670 – HAACP Meat Safety
CN-APE 1: Assess the public health threat of emerging issues to animal and human populations and identify intervention strategies.

ANEQ 6600 – Topics in Meat 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.

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.

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.

*Notes when a course is responsible for assessing that specific competency
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 5470 – Mind, Medicine and Culture
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.

ANTP 5430 – Foundations of Ethnographic Research (was 6430)
FN-MPH 2: Select quantitative and qualitative data collection methods appropriate for a given public health context

ANTH 6950 – Anthropology Independent Study
Varies based on individual student

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.

*Notes when a course is responsible for assessing that specific competency
CBHS 6628 – Tech-Based Health Promotion (CU-Anschutz)
CN-APE 4: Analyze issues regarding awareness and communication that impact optimal 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.

*Notes when a course is responsible for assessing that specific competency
ECOL 5920 – Ecology Seminar
Varies by topic

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 6626 – Research Methods
(Contact epidemiology faculty for further details)

EPID 6631 – Analytical Epidemiology
(Contact epidemiology faculty for further details)

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

*Notes when a course is responsible for assessing that specific competency
CN-Epidemiology 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-Global Health and Disaster 5: Design context-specific health interventions based upon a situation analysis.

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

CN-Epidemiology 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.

**Epidemiology 6635 – Infectious Disease Epidemiology (CU-Anschutz)**

CN-Epidemiology 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-Global Health and Disaster 5: Design context-specific health interventions based upon a situation analysis.

**Epidemiology 6636 – Chronic Disease Epidemiology (CU-Anschutz)**

CN-Epidemiology 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.

**Epidemiology 6637 – Injury and Violence Epidemiology and Prevention**

CN-Epidemiology 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.

**Epidemiology 6638 – Cardiovascular Epidemiology (CU-Anschutz)**

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

**Epidemiology 6640 – Investigation of Disease Outbreaks (CU-Anschutz)**

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

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

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

CN-Global Health and Disaster 5: Design context-specific health interventions based upon a situation analysis.

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

CN-Global Health and Disaster 5: Design context-specific health interventions based upon a situation analysis.

CN-Epidemiology 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.

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

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

**Epidemiology 6670 – Global Health and Disaster (CU-Anschutz)**

*Notes when a course is responsible for assessing that specific competency*
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 5340 – SAS and Epidemiologic Data Management
(Contact epidemiology faculty for further details.)

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 5810 – Geographic Information Systems and Health
FN-MPH 22: Apply systems thinking tools to a public health issue.
CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data

ERHS 6400 – Advanced Epidemiology
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.

ERHS 6420 – Applied Logistic Regression
CN-EPID 7: Use computer software for data entry, database management, and summarizing, analyzing and displaying data.

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

*Notes when a course is responsible for assessing that specific competency
Varies based on individual student

**ETHS 5100 – Ethnicity, Race, and Health Disparities**
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-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

**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 2: Assess and integrate information based on nutrition needs, the study of the scientific literature, and epidemiologic data to develop short and long range nutritional priorities and programs that will have the greatest impact.

**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 1: Apply biological principles for the development and implementation of public health nutrition programs targeted at disease prevention, control, or management.
CN-PHN 2: Assess and integrate information based on nutrition needs, the study of the scientific literature, and epidemiologic data to develop short and long range nutritional priorities and programs that will have the greatest impact.

**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.

*Notes when a course is responsible for assessing that specific competency*
*CN-PHN 3: Incorporate principles of successful human behavior change in the development of effective nutrition interventions.

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 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.
*CN-PHN 5: Monitor and evaluate the effectiveness of nutrition interventions, and modify interventional approaches as needed to improve nutritional outcomes.

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 1: Apply biological principles for the development and implementation of public health nutrition programs targeted at disease prevention, control, or management.
CN-PHN 2: Assess and integrate information based on nutrition needs, the study of the scientific literature, and epidemiologic data to develop short and long range nutritional priorities and programs that will have the greatest impact.
CN-PHN 5: Monitor and evaluate the effectiveness of nutrition interventions, and modify interventional approaches as needed to improve nutritional outcomes.

FSHN 6280 – Advanced Nutrition Counseling Techniques
CN-PHN 3: Incorporate principles of successful human behavior change in the development of effective nutrition interventions.

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 2: Assess and integrate information based on nutrition needs, the study of the scientific literature, and epidemiologic data to develop short and long range nutritional priorities and programs that will have the greatest impact.
*CN-PHN 5: Monitor and evaluate the effectiveness of nutrition interventions, and modify interventional approaches as needed to improve nutritional outcomes.

FSHN 6500 – Nutrition – Proteins

*Notes when a course is responsible for assessing that specific competency
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: 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 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: Apply biological principles for the development and implementation of public health nutrition programs targeted at disease prevention, control, or management.

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

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

CN-PHN 2: Assess and integrate information based on nutrition needs, the study of the scientific literature, and epidemiologic data to develop short and long range nutritional priorities and programs that will have the greatest impact.

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

FShN 6750 - Regulation of Energy Intake
CN-PHN 1: Apply biological principles for the development and implementation of public health nutrition programs targeted at disease prevention, control, or management.

FShN 6950 – Independent Study-Food Science
Varies based on individual student

*Notes when a course is responsible for assessing that specific competency
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 2: Assess and integrate information based on nutrition needs, the study of the scientific literature, and epidemiologic data to develop short and long range nutritional priorities and programs that will have the greatest impact.

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.

GERO 6250 - Psychosocial Aspects of Aging (UNC)
CN-GHHD 3: Propose strategies to engage marginalized and vulnerable populations in making decisions that affect their health and well-being.

GERO 6350 – Social Policies of Aging (UNC)
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.

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.

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

HDFS 7400 – Family Policy and Programming  
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.

HESC 6000 – Data Analysis and Research Design  
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.

HESC 6001 – 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 6920 – Seminar – Health and Exercise Science  
Varies by topic

HESC 6950 – Independent Study-Health  

*Notes when a course is responsible for assessing that specific competency
Vary 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 6920 – International Development Seminar**
Varies by topic

**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: Analyze issues regarding awareness and communication that impact optimal 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.

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

**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

**JTCM 7920 – Journalism and Technical Communication Seminar**
Varies by topic

**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.

**NROO 5920 – Seminar**
Varies by topic

**NRRT 6650 – Survey Research and Analysis**

*Notes when a course is responsible for assessing that specific competency*
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: Perform effectively on interprofessional teams

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
*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 principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making

PBHC 5300 – Environmental Public Health and Policy
*FN-MPH 19: Communicate audience-appropriate public health content, both in writing and through oral presentation
*FN-MPH 22: Apply systems thinking tools to a public health issue

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: Analyze issues regarding awareness and communication that impact optimal collaboration between human and animal 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 societal levels
*FN-MPH 7: Assess population needs, assets and capacities that affect communities’ health

*Notes when a course is responsible for assessing that specific competency
*FN-MPH 8: Apply awareness of cultural values and practices to the design or implementation 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
*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 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: Analyze issues regarding awareness and communication that impact optimal 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

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


**PBHC 6860 – Public Health Practicum**  
Varies by student  
FN-MPH 21: Perform effectively on interprofessional teams

**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

**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.

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

PSCY 7920 – Applied Social Psychology Seminar
Varies by topic

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

*Notes when a course is responsible for assessing that specific competency
SOWK 5200 – Social Welfare Policy Analysis
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.

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.

SOWK 6330 – Advanced Practice: Social Welfare Policy
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.

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 6340 – Communication and Global Diversity
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.

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.

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.

*Notes when a course is responsible for assessing that specific competency
VM 638/DVM Transfer – Veterinary Parasitology
(Competencies TBD)

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

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