Carrier alchemication	1		
Course abbreviation		Credit	
and number ex.	Course Title	Hours Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)			
Public Health (PUBHLTH	1)		
		An introduction to the University community; strategies for	
		successful transition to and participation in that community;	
		information about University resources and procedures; and (4)	
PUBHLTH 1100	Current of Dublic Hoolth	information about the College of Public Health and its	
POBILITI 1100	Survey of Public Health	1 programs.	none
		Public health concepts examining the philosophy, purpose,	· ·
		history, organization, functions, and results of public health	
		practices domestically and internationally. Presents the	Not open to students with credit for 400. GE soc sci indivs and groups and diversity global
PUBHLTH 2010	Introduction to Global Public Health	3 pressing global public health concerns of the 21st century.	studies course.
		The purpose of the class is to prepare undergraduate students	
		in Public Health for their Capstone Experience. Students will	
		learn the critical elements of Public Health Practice and	
		Research as well as professional development skills to prepare	
PUBHLTH 3180	Lindage duate Constant Brancustian	·	Jr. standing in BSPH, or Soph standing for students who intend to complete an Honors
POBALTA 3180	Undergraduate Capstone Preparation	1 to apply for graduate school.	Research Thesis.
		Prepares undergraduate students in Public Health for their	
		Capstone Experience. Students will learn the critical elements of Public Health Practice and Research as well as professional	
		development skills to prepare them for the workplace and	Jr. standing in BSPH, or Soph standing for students who intend to complete an Honors
PUBHLTH 3180E	Undergraduate Capstone Preparation	1 equip them with the tools needed to apply for graduate school.	
7 05112111 01002	ondergraduate capacone respandion	2 equip them with the tools needed to apply for graduate sensor.	Nessel an interest
		Global public health concepts and associated metrics; role of	
		cultural, social, economic, and environmental factors on public	
		health in Japan; instructions in a classroom setting on a	English 1110 (110), good academic standing, and completion of minimum 4 semesters (2
PUBHLTH 3189.03	Field Experience in Global Public Health: Japan	3 Japanese campus and through field trips.	academic years) of undergraduate education.
		Global public health concepts and associated metrics; role of	
		cultural, social, economic, and environmental factors on public	English 1110 (110) good and anadomic standing and completion of minimum Assessators (2)
PUBHLTH 3189.03E	Field Experience in Global Public Health: Japan	health in Japan; instructions in a classroom setting on a  3 Japanese campus and through field trips.	English 1110 (110), good academic standing, and completion of minimum 4 semesters (2 academic years) of undergraduate education.
FOBILITI 3189.03E	Field Experience in Global Fublic Health. Japan	3 Japanese campus and through neid trips.	academic years) or undergraduate education.
		Global public health concepts and associated metrics; role of	
		cultural, social, economic, and environmental factors on public	
		health in Finland and Estonia; instructions in a classroom	
PUBHLTH 3189.04	Field Experience in Global Public Health: Finland and Estonia	3 setting and through field trips.	none
		Global public health concepts and associated metrics; role of	
		cultural, social, economic, and environmental factors on public	
DUDUU <del>T</del> U 2422 245	Field Foresting as in Clabel Bublis Health Finland on 15 1	health in Finland and Estonia; instructions in a classroom	
PUBHLTH 3189.04E	Field Experience in Global Public Health: Finland and Estonia	4 setting and through field trips.	none
PUBHLTH 3191	Undergraduate Internship in Public Health	Placement of BSPH students in a public health agency or 2 related site for supervised practice experience.	Jr. or Sr. standing, enrollment in BS Public Health major, and permission of advisor.
I ODITETTI 3131	Ondergraduate internship in rubile fieldti	Placement of BSPH students in a public health agency or	or or or standing, emoliment in borrubile freditif Indjor, and permission of advisor.
PUBHLTH 3191E	Undergraduate Internship in Public Health	2 related site for supervised practice experience.	Jr. or Sr. standing, enrollment in BS Public Health major, and permission of advisor.
PUBHLTH 3194	Group Studies in Public Health	1-6 Group studies in selected areas of Public Health.	Permission of instructor.
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Course abbreviation			
Course abbreviation		Credit	
and number ex.	Course Title	Hours Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)			
Public Health (PUBHLTI	н)		
PUBHLTH 3550	Special Topics in Public Health	1-6 Regular class on topics that are relevant to students enrolled in	Enrollment as a Public Health major or pre-major, or permission of instructor.
		The goal of the Undergraduate Public Health Research	
		Experience Capstone is to provide Public Health students with	
		opportunities to apply public health principles outside of a	
		typical classroom setting and build on public health	
		coursework. This course allows students the opportunity to	
		integrate classroom experiences and principles in an applied	
PUBHLTH 3999	Undergraduate Capstone Research in Public Health	2 research setting.	PUBHLTH 3180.
		Undergraduate research under the guidance of a faculty	
PUBHLTH 4998	Undergraduate Research in Public Health	1-6 mentor in a basic or applied area of public health.	Jr. or Sr standing, and enrollment in BSPH major, and permission of advisor.
		Conducting a research project and writing a thesis is a Capstone	
		Option for undergraduate Public Health majors. It allows	
		students a significant opportunity to apply skills learned in the	
		classroom to an applied research project. This is done under	Cumulative GPA of 3.0 or higher and PUBHLTH-BS major, and approval of research
PUBHLTH 4999	Undergraduate Research Thesis	3-6 the supervision of a faculty advisor	proposal by undergraduate research committee, and permission of instructor
I OBITETTI 4555	Ondergraduate research mesis	5 of the supervision of a faculty advisor	proposar by undergraduate research committee, and permission of histractor
		An independent senior thesis course with faculty advisor;	
		subject matter will vary depending upon student's topic. At	
		least two semesters are required for the BSPH degree with	
		research distinction. Failure to receive a mark of S in this	
PUBHLTH 4999.01H	Senior Honors Thesis	1-3 course is a disqualification for special honors.	Honors standing and permission of the instructor.
		In this course, students will gain a very general introduction to	
		data analytics concepts and methods in the context of current	
		and emerging public health issues. Students will be exposed to	
		foundational concepts in data analytics that are relevant to the	
		design, analysis, and interpretation of data-driven decision-	
PUBHTLH 5015	Public Health Data Analytics I	3 making in public health and healthcare settings.	PUBHBIO 2210 or 6210 or STAT 3202 or STAT 5301 or permission of instructor.
		Introduction to the emerging and interdisciplinary field of	
		Public Health Informatics. This course will highlight the history,	
		current and future use of informatics in the public health	
		settings, and give students an understanding of the role and	
PUBHLTH 5760	Public Health Informatics	broad application of informatics to promoting health and 3 preventing disease.	Cross listed in BMI
PUBILITI 3700	Public Health Informatics	3 preventing disease.	Cross listed iii bivii
		Overview of current and emerging global health issues, their	Open to Grad students with registration priority for students enrolled in Interdisciplinary
PUBHLTH 6000	Introduction to Global Health	2 determinants, actions, and interventions.	Global Health Specialization. Not open to students with credit for 600.
		An overview of the history and philosophy of public health, and	
		the fundamental principles, concepts, and tools used in	
		promoting the health of populations. The course is intended to	
		orient students to the breadth of the field and introduce cross-	
		specialization perspectives on major issuse and problems in	Enrollment in Master of Science in Public Health (PUBHLTH-MS) or Doctor of Philosophy in
PUBHLTH 6010	Essentials of Public Health	3 public health	Public Health programs (PUBHLTH-PH), or permission of instructor
		Placement in a public health agency or related site for	
PUBHLTH 6189.01	Field Experience in Public Health	1-6 supervised practice experience.	Enrollment in Public Health degree program, and permission of the instructor.
		Placement in a public health agency or related site for	
PUBHLTH 6189.02	Field Experience in Global Health	1-6 supervised international practice experience.	Enrollment in Public Health degree program, and permission of the instructor.

			PUBHLTH 6000; open to all Grad and professional students with registration priority for
		Overview of core public health principles and practices applied	students enrolled in the Graduate Interdisciplinary Global Health specialization. Not open
PUBHLTH 7000	Public Health in Developing Countries	3 to global health issues.	to students with credit for 700.
Course abbreviation	, ,		
		Credit	/ /
and number ex.	Course Title	Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		Tiours	
,			
Public Health (PUBHLTI	H)		
		Review of the historical background leading to the evolution of	
		public health with a focus on the contemporary practice of	
		public health; a review of current policy and practice; and, an	
PUBHLTH 7040	Public Health Organization	3 outlook for the future of public health.	none
		Placement in a public health agency or related site for	
PUBHLTH 7189	Practicum in Public Health	1-6 supervised practice experience.	Enrollment in Public Health degree program, and permission of the instructor.
		Placement in an agency or related site for supervised practice	
PUBHLTH 7191	Internship	1-6 experience.	Enrollment in Public Health degree program, and permission of the instructor.
		The foundation of the course includes theory and applications	
		relevant to specific rubrics of applied public health practice,	
PUBHLTH 7350.01	Topics in Applied Public Health Practice: General	1-3 with a theme of general public health practice.	none
	· · · · ·		
		Includes theory and applications relevant to specific rubrics of	
		applied public health practice, with a theme of public health	
PUBHLTH 7350.02	Topics in Applied Public Health Practice: Leadership	1-3 management and leadership.	none
		Includes theory and applications relevant to specific rubrics of	
		applied public health practice, with a theme of public health	
PUBHLTH 7350.03	Topics in Applied Public Health Practice: Res Tools	1-3 research tools.	none
		Course is designed for students to: complete their culminating	
		project proposals, submit culminating project approval form,	
		complete a basic human subject research course, submit	
		application to the IRB and/or other review boards (if	
		applicable), complete the beginning sections of their	
		Culminating Project report, and develop a project management	
PUBHLTH 7996	Culminating Project Prep Seminar for MPH-PEP students		Permission of instructor.
. 65112111 7330	cummating respectively seminarior minimate statements	Final project for MPH degree that can be a research report,	- Chinistian of histiaccon
		program evaluation or grant proposal. Students should see	
PUBHLTH 7998	Culminating Project in Public Health	1-3 division specific requirements.	Enrollment in MPH degree program, and permission of instructor.
PUBHLTH 7999	Thesis Research in Public Health	· · · ·	Enrollment in MS degree program, and permission of instructor.
PUDILLIN /999	THESIS NESCALCITIF PUBLIC FREATURE		- · · · · ·
DI IDUI TU 9903	Comings for Craduato Interdisciplinant Cassislination in Donor-	Presents an introduction to demography (the study of	Grad standing, or permission of instructor with approval by Graduate School for
PUBHLTH 8802	Seminar for Graduate Interdisciplinary Specialization in Demography	3 populations) and population health	undergraduate credit.
PUBHLTH 8998	Dre Condidon Descovel in Dublic Health	1.13 Indonesidant recognish for declarate students, con	Formally contain DlaD programs
PUBILIH 8998	Pre-Candidacy Research in Public Health	1-12 Independent research for doctoral students: pre-candidacy.	Enrollment in PhD program.
DUDUUTU 800C	Post Candidasy Possarch in Public Health	1.13 Indopendent receases for destard students, next as a didensi	Enrollment as PhD Candidate in Rublic Health Program
PUBHLTH 8999	Post-Candidacy Research in Public Health	1-12 Independent research for doctoral students: post-candidacy.	Enrollment as PhD Candidate in Public Health Program.

Course abbreviation		Credit	
and number ex.	Course Title	Hours Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		Tiours	
Public Health: Biostati	istics (PUBHBIO)		
		Hands-on experience using statistical tools to answer real-	
		world questions. Students will design and implement a sho	t
		survey and analyze their results. Emphasis on analysis of ac	
		survey data using statistical software. Statistical topics inclu	
		numerical/graphical summaries, measures of association, a	
PUBHBIO 2210	Biostatistics for Public Health Research	3 hypothesis testing. Focus is on interpretation, not calculation	n. STAT 1350 (135) or STAT 1450 (145), or equivalent; or permission of instructor.
		Hands on supprisons using statistical tools to answer and	
		Hands-on experience using statistical tools to answer real-	
		world questions. Students will design and implement a short survey and analyze their results. Emphasis on analysis of ac	
		survey data using statistical software. Statistical topics inclu	
		numerical/graphical summaries, measures of association, a	
PUBHBIO 2210H	Honors Biostatistics for Public Health Research	3 hypothesis testing. Focus is on interpretation, not calculation	
PUBHBIO 3193	Individual Studies in Biostatistics	1-6 Individual studies in Biostatistics focusing on applied topics	
		Provides an in-depth analysis of a specific question to which	
		genomic methods are applied. Intersperses experimental	
		methods and statistical analysis of biological data. Some	Jr. standing or above, and Math 1151 or 1156, STAT2450 or 2480, and Biology 1113 or
PUBHBIO 5280	Introduction to Genomic Data Analysis	2 experience with programming is recommended.	MolGen 5660, or Grad standing; or permission of instructor.
		Theory and application of basic statistical concepts for design	gn
		of studies in health sciences, integrated with statistical	Grad standing in PubHlth, or enrollment in MS Pharmacology program, or permission of
PUBHBIO 6210	Design & Analysis of Studies in the Health Sciences I	3 software applications.	instructor.
		A second course in applied biostatistical methods with an	
		emphasis on regression methods commonly used in the her	
PUBHBIO 6211	Design & Analysis of Studies in the Health Sciences II	sciences. The focus is on linear regression and ANOVA.	Grade of B- or above in 6210 (701), or permission of instructor. Not open to student with credit for 702.
PUBRBIO 6211	Design & Analysis of Studies in the Health Sciences II	3 Integrated with use of computer statistical packages.	Credit for 702.
		Regression models for three problems: repeated measures	
		data, logistic regression and time-to-event analysis. Hypoth	esis
		tests, evaluating assumptions, confounding, selection of	Cond. of D. and bour in COMM (700) and in both CTAT CMM (COMM (CMC)). LCCCO (COMM (CMC))
DUDUDU 6242		predictors. Illustrated with real data sets and analysis	Grade of B- or above in 6211 (702), or in both STAT 6410/6910 (641) and 6450/6950 (645),
PUBHBIO 6212	Regression Methods for the Health Sciences	3 assignments.  Introduction to programming using SAS software to accomp	or permission of instructor. Not open to students with credit for 703.  Silsh Grad standing in PUBHLTH, or permission of instructor. Not open to students with credit
PUBHBIO 6270	Introduction to SAS for Public Health Students	2 public health data management and analysis.	for 604, STAT 5740, or 6740.
1 0511510 0270	indicated in to 3/3 for Fabric Health Stadents	Introduction to statistical principles and methods appropria	, , , , , , , , , , , , , , , , , , , ,
		for experimental laboratory data with applications in	Enrollment in the Integrated Biomedical Graduate Program (IBGP), or permission of
PUBHBIO 6280	Practical Biostatistics for Biomedical Laboratory Researchers	3 biomedical sciences. Intended for students in the IBGP	instructor. Not open to students with credit for 610 (701x) or 6211 (702x).
PUBHBIO 7193	Individual Studies in Biostatistics	1-6 Independent study in Biostatistics.	Permission of instructor.
		Group studies in biostatistical methods. Format will include	
		lectures, readings, presentations and discussions in an area	
PUBHBIO 7194	Group Studies in Biostatistics	1-3 special interest to students and faculty.	Permission of instructor.
		Design, monitoring, and analysis of clinical trials; includes	
		protocol development, randomization schemes, sample size	2
PUBHBIO 7215	Design and Analysis of Clinical Trials	2 methods, and ethical issues.	Stat 5301, or PUBHBIO 6210, or equiv; or permission of instructor.

			Theoretical and practical training in statistical modeling of a	
			categorical response variable; conditional and unconditional models, assessment of model performance, determination of	
PUBHBIO 7220	Applied Logistic Regression	2	scale.	Grade of B- or above in 6211 (702xx). Not open to students with credit for STAT 6510.
Course abbreviation	Applied Edgistic Regression	, ,	scale.	Grade of B- of above in 0211 (702xx). Not open to students with credit for 51A1 0510.
		Credit		
and number ex.	Course Title	Hours	Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)				
<b>Public Health: Biostatist</b>	tics (PUBHBIO)			
			Sampling from finite populations, simple random, stratified,	
			systematic and cluster sampling design, ratio and regression	
PUBHBIO 7225	Survey Sampling Methods	3	estimates, non-sampling errors, models.	PUBHBIO 6211 (703), or Stat 5301 (529) or equiv.
			Statistical models and methods for the analysis of data arising	
BUBUBIO 7220	Applied Lought dired Date Applied	2	from longitudinal studies with repeated measurements on	C344 Ch-t C4F0 Ch-t C0F0
PUBHBIO 7230	Applied Longitudinal Data Analysis	3	subjects over time.	6211, or Stat 6450, or Stat 6950
			Introduction to time-to-event data analysis. Kaplan-Meier	
			estimation, log rank tests, proportional hazards regression	
			analysis for censored or truncated data with extensions to time-	
PUBHBIO 7235	Applied Survival Analysis	3	dependent covariates and model building.	6211, STAT 6450, or 6950. Not open to students with credit for STAT 6605 (PUBHBIO 605).
	,			
			Models and methods for the dataset with missing values,	
PUBHBIO 7240	Applied Statistical Analysis with Missing Data	3	including imputation, likelihood-based, and Bayesian models.	6211, or Stat 6201, or 6302, or 6802, or 6302, or 6450, or 6950 or permission of instructor.
			Basic biomedical research methodologies; collaborate with	
			biomedical researchers to design experiments and plan	
			analyses; protocol preparation; professional skills	Not open to students with credit for STAT 7755 (PUBHBIO 709). Cross-listed in Stat 7755
PUBHBIO 7245	Biostatistical Collaboration	2	development; statistical report preparation.	(Biostat 709).
Public Health: Biostatist	tics (PUBHBIO)			
			Regular class on special topics in biostatistics. Format will	
			include lectures, readings, presentations and discussions in an	
PUBHBIO 7250	Special Topics	1-6	area of special interest to students and faculty.	Permission of instructor.
			This is an introduction course to the commonly used statistical	
			methods for casual inference. The course starts with potential	
200000000000000000000000000000000000000			outcome framework as the conceptual foundation for inferring	D. List is pupulate costs.
PUBHBIO 7255	Introduction to Causal Inference in Health Science Research	3	causality. Seminar on topics that are relevant to students enrolled in	B- or higher in PUBHBIO 6211, or permission of instructor
PUBHBIO 7899	Seminar in Biostatistics	1.2	programs in the Division of Biostatistics.	Grand standing in Public Health and permission of instructor.
1 0311010 7033	Jennia in biostatistics	1-3	problems in the Division of biostatistics.	Station Stationing in Fubility related and permission of historical.
			Classical and modern statistical approaches for continuous and	
			discrete longitudinal data. Random effects and growth curve	
			models, measurement error, generalized estimating equations,	
PUBHBIO 8230	Advanced Longitudinal Data Analysis	3	estimation with missing data, multivariate longitudinal data.	STAT 6802 (622) and 6950 (645). Not open to students with credit for STAT 7470 (726)
			Advanced topics in survival analysis. Proportional hazards	
			models, parametric regression models, length-bias and	
			prevalent sampling, multivariate survival analysis, counting	STAT 6802 (622) and 6950. Not open to students with credit for 706 or STAT 7605. Cross-
PUBHBIO 8235	Advanced Regression Modeling of Time-to-Event Data	3	processes, recurrent events.	listed with STAT 7605.
			Introduces the basis mathed of from the best of the basis	
			Introduces the basic methods for analyzing large population	
			epidemic data from the viewpoint of the stochastic processes theory. The course will cover the basic SIR (susceptible-	
			infective-removed) epidemic models both under the	
PUBHBIO 8450	Stochastic Epidemic Models	2	homogenous and restricted contact structures.	STAT 6801, 6540 or 7540; or permission of instructor.
PUBHBIO 8999	Doctoral Seminar		Seminar for doctoral students in Biostatistics.	Permission of instructor.

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Course abbreviation			
and number ex.	Course Title	Credit Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		Hours	
,	antal Haalth Caionaga (DUDUEUC)		
Public Health: Environm	ental Health Sciences (PUBHEHS)	Individual studies in Environmental Health Sciences focusing on	
PUBHEHS 3193	Individual Studies in Environmental Health Sciences	_	Permission of instructor
FOBILITS 3193	individual studies in Environmental Health Sciences	1-0 арриец торисз.	FEITHISSION OF HIST UCCO
		Fundamental concepts and principles of environmental health	
		are presented through a critical review and discussion of	
PUBHEHS 3310	Current Issues in Global Environmental Health	3 current issues in global environmental health.	none
		The scientific process used by governmental agencies to	
		evaluate public health threats due to environmental	
		contamination. An orientation to the fundamental and applied	
		components of risk assessment including: hazard identification,	
		toxicology/dose-response, exposure assessment, and risk	
PUBHEHS 3320	Fundamentals in Environmental Health Risk Assessment	3 characterization.	none
		Principles and practice of food safety; transmission,	
		inactivation and control of foodborne pathogens, hazards,	
PUBHEHS 4530	Food Safety and Rublic Health	toxins and allergens; risk assessment, sanitation, and pest control in foods.	Cross listed in FDSCTE 4536
PUBILENS 4550	Food Safety and Public Health	Fundamentals of dose-response, exposure, disposition and	Closs listed iii FD3C1E 4530
		biotransformation of chemicals in mammalian systems; actions	
PUBHEHS 5315	Principles of Toxicology	3 of toxicants in major organ systems.	Not open to students with credit for 732.
. Continuososo	Third piece of Toxicology	Recognize current controversies about climate change,	Not open to stadento man oreale to 1921
		summarize the evidence about climate change on human	
		health, and identify major human diseases associated with	
PUBHEHS 5320	Climate Change and Human Health	3 climate change.	Not open to students with credit for 794.
		Principles and practice of occupational health, including, among	
		other topics, a history of the discipline and in-depth	
		consideration of occupational hazards and risks, including	
PUBHEHS 5325	Principles of Occupational Health Science	3 types, sources, exposures and health impacts.	Not open to students with credit for 830.
		Students in this course will learn how to incorporate health	
		information into the engineering design process. This material	
		complements risk assessment by focusing on the design of	
		engineering systems. Course will discuss balancing financial,	
		health, performance, and other considerations. Quantitative	
		analysis will be conducted in soil, water, air, buildings, and	Math 1151,1161.01, or 1161.02, and Chem 1210 or 1250, and enrollment in the CivilEn,
PUBHEHS 5395/ENVENG 5195	Engineering Design for Environmental health	occupational health scenarios.	EnvEng, or PubHEHS major program; or grad standing; or permission of instructor.
		In this course, we will consider environmental health sciences	
PUBHEHS 6300	Environmental Health Science Issues in Health Administration	1.5 as a cornerstone to public health	Enrollment in HSMP-MHA, or permission of instructor
		Survey of environmental influences on human health and	
PUBHEHS 6305	Principles of Environmental Health for Professionals	· ,	Enrollment in the MPH program.
		Survey of environmental influences on human health and	
		strategies for prevention considering source emissions,	
DUDUEUC C210	Dringings of Engineers and Hoolth Colors	environmental fate and transport, human exposure, dose, and	Not once to students with specific for 721
PUBHEHS 6310	Principles of Environmental Health Science	3 biological effects.	Not open to students with credit for 731.
		Survey of environmental influences on human health and	
		strategies for prevention considering source emissions,	
PUBHEHS 6315	Advanced Environmental Health Science	environmental fate and transport, human exposure, dose, and 3 biological effects.	Enrollment in the EHS program and Grad standing.
L OPUEUS 0212	Auvancea Environmental mealth Science	3 DIOIORICAI CITECUS.	Emoninent in the Eris program and Grad standing.

			I	
			Fundamentals and emerging issues of health significant	
			microorganisms (bacteria, viruses, protozoa) from water, air,	
			soil and food, and their sources, transmission routes,	
PUBHEHS 6320	Global Health and Environmental Microbiology	3	treatments, detection methods and study tools.	Not open to students with credit for 730. Cross listed in FdScTe
Course abbreviation		Credit		
and number ex.	Course Title		Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		Hours	•	
•	nental Health Sciences (PUBHEHS)			
Tublic Health. Lilvirollin			Individual studies in Environmental Health Sciences focusing on	
PUBHEHS 7193	Individual Studies in Environmental Health Sciences	1-6	applied topics.	none
PUBHEHS 7194	Group Studies in Environmental Health Sciences		Group studies in Environmental Health Sciences.	none
1 05112113 7 13 1	Group Stadies in Environmental reducti Sciences		Introduction to concepts of routes of exposure, intake, uptake,	
			dose, exposure modeling and data collection. Focus is on	
			exposure assessment in environmental and occupational	
PUBHEHS 7330	Principles of Exposure Assessment	3	epidemiology.	Not open to students with credit for 832.
			Basic concepts of environmental law and policy relevant to	·
PUBHEHS 7340	Environmental Law and Policy for Public Health	3	public health practice.	Not open to students with credit for 736.
	<u> </u>		Opportunity for students to pursue a particular environmental	
			health interest that is not available through existing topical	
PUBHEHS 7350	Special Topics in Environmental Health Sciences	1-3	offerings.	none
			Topics focus on understanding the sources, the transport	
			mechanisms and the fate of microbial and chemical	
			contaminants in water, human exposure risks, tracking	
			methods, linking to other environmental matrices and the	
PUBHEHS 7360	Water Contamination: Sources and Health Impact	3	public health impacts.	Not open to students with credit for 729.
			Introductory course that includes discussion of a variety of	
PUBHEHS 7365	Principles of Risk Assessment	3	topics in human exposure and related risk assessment.	Not open to students with credit for 831.
			This course will outline the fundamental sciences and their	
			application in microbial risk modeling. Students will engage in	
			lectures and project-based learning culminating in a functioning	
PUBHEHS 7370	Quantitative Microbial Risk Analysis Modeling	3	microbial risk model	PUBHBIO 6210, Stat 6201, or EnvEng 6220, or permission of instructor.
			Environmental health science is a multidiscipline profession	
			focusing mainly on public (human) health issues related to	
			food/water/beverage sanitation, and water, air and land	
			contamination and pollution. Emphasis on the principles and	
			practices of human exposure monitoring of contaminants in air,	
DUDUEUS 7200	Survey Colons Manifestor Tark	_	water, soil, and food including field sampling, analytical	
PUBHEHS 7380	Exposure Science Monitoring Techniques	3	instrumentation, and methods.	none
			Rublic health is focused on proventing illnesses and interior	
			Public health is focused on preventing illnesses and injuries or	
			intervening to decrease the impact to populations of people. Emphasize on basic physiology, pathophysiology, and clinical	
			evaluation of major human diseases that have significant global	
			public health impact epidemiologically, politically, and	
PUBHEHS 7390	Major Human Diseases in Global Public Health	2	economically with a focus on disease causes and prevention.	none
I OUTLING 7350	major Trainan Discases in Global Fublic Health	3	economicany with a focus on disease causes and prevention.	none
			Seminar on topics that are relevant to students enrolled in	
PUBHEHS 7899	Seminar in Environmental Health Sciences	1-3	programs in the division of environmental health sciences.	none
. 552115 7555		1-3	Practical introduction to molecular techniques, as applied to	
PUBHEHS 8340	Molecular Techniques for Environmental Health Sciences	3	research in environmental health sciences.	Not open to students with credit for 835.
			Doctoral level seminar on topics that are relevant to students	
			enrolled in the PhD program in health environmental health	
PUBHEHS 8899	Doctoral Seminar in Environmental Health Sciences	1-3	sciences.	none
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Course abbreviation		Credit	
and number ex.	Course Title	Hours Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		nouis	
Public Health: Epidemic	ology (PUBHEPI )		
r done rieditiii Epideiiiie		Introduction to the study of public health; history, methods,	
PUBHEPI 2410	Introduction to Epidemiology	3 applications, and issues in epidemiology.	none
05112112410	писочасной со Еріченною у	5 applications, and issues in epidermology.	none
PUBHEPI 3193	Individual Studies in Epidemiology	1-6 Individual studies in Epidemiology focusing on applied topics.	Permission of instructor.
. 05112113133	marriada stadies in Epidemology	2 оттентивности и при при при при при при при при при	
		This is an advanced undergraduate course in epidemiology that	
		is designed for Honors students in Public Health or a related	
		field. Students will learn about how epidemiology is used in the	
PUBHEPI 3410H	Honors Case Studies in Public Health		Honors standing, and 2410.
		7.11	
		This is an advanced undergraduate course in epidemiology that	
		presents students with the latest information about how social	
		factors relate to disease outcomes. Students will learn about	
		how epidemiologists measure social factors and then use these	
		measures to study the relation between social factors and risk	
PUBHEPI 4410	Social Epidemiology	· ·	2410
		This introductory course in injury prevention & control is	
		designed primarily for upper-division undergraduates. Students	
		will be exposed to/learn to develop skills such as summarizing	
		research findings, translating & communicating these findings	
		to an identified audience, & utilizing policy & advocacy for	
		initiating public health change as it relates to injury prevention	
PUBHEPI 4432	Injury: A Public Health Problem		2410, and PubHHBP 3510; or permission of instructor.
		Principles and practice of field epidemiology, including	
PUBHEPI 5411	Outbreak Investigations	3 outbreak investigation and disease surveillance.	2410, or Grad Standing, or permission of instructor.
		Introduction to the study of infectious diseases in the	
PUBHEPI 5412	Infectious Diseases in the Developing World	3 developing world. Recommended: 2410.	Not open to students with credit for 718.
		Provides an introduction to computer models of infectious	
		diseases and their applications. It includes lecture and	
DUDUEDI 5 130	Infantiana Diagram Madalina in Humana and Animala	laboratory and focuses on applications rather than	to an Constanting on Constanting of the Alice of the Alic
PUBHEPI 5420	Infectious Disease Modeling in Humans and Animals	3 mathematical theory.	Jr. or Sr. standing, or Grad standing; or permission of instructor.
		Describes an internal matter to the state of	
		Provides an introduction to mathematical modeling of	
		infectious diseases, including techniques for building and	
		analyzing disease models, and discussions of calibration and	
		comparison of models with data. This course is intended for	
		graduate students in public health or other related disciplines	
		and for upper level undergraduate and graduate mathematics	14 4 4 5 2 4
PUBHEPI 5421	Mathematics of Infectious Disease Dynamics		Math 1152, 1172, or 153; or permission of instructor.
		Introduction to the epidemiology of cardiovascular disease; risk	
DUDUEDI 5 400		factors, specific diseases, diagnostic procedures; review of	
PUBHEPI 5438	Cardiovascular Disease Epidemiology	3 classic and current studies.	2410, 6410, or 6430; or permission of instructor. Not open to students with credit for 817.

		Introduction to the nature and scope of epidemiology; survey	
		of basic epidemiological methods and their application to	
PUBHEPI 6410	Principles of Epidemiology	3 selected acute and chronic health problems. For non-majors.	Not open to students with credit for 6430.
05112110410	· morphes of Epidermology	5 serected dedice and emonitorication prosterior for front majors.	Not open to stauents with oreal to 1930.
		Molecular and epidemiologic evidence of biological	Grad standing in Public Health, or permission of instructor. Not open to students with
PUBHEPI 6411	Biological Basis of Public Health	3 mechanisms in major diseases of concern for public health.	credit for 704.
Course abbreviation			
and number ex.	Course Title	Credit Course Description	Prerequisites/Exclusions/Cross Listings
	course ritte	Hours Course Description	Frerequisites/ Exclusions/ Cross Listings
PUBHLTH 3550)			
Public Health: Epidemi	iology (PUBHEPI )		
		Identification of clinical and translational research issues,	
		assessment of the literature, ethically responsible research,	
PUBHEPI 6412	Basic Principles in Clinical and Translational Science	2 cross-disciplinary training and mentoring.	Enrollment in MPH-CTS program, or permission of instructor.
		Design and writing of protocol, study methods and	
	Conducting and Communicating Research in Clinical and	implementation, community engagement, informatics,	
DUDUEDI C412	Conducting and Communicating Research in Clinical and	translational teamwork. Scientific communication skills and	Farally ont in MARIL CTC avagram, or narmissian of instructor
PUBHEPI 6413	Translational Science	2 dissemination of clinical and translational science.	Enrollment in MPH-CTS program, or permission of instructor.
PUBHEPI 6414	Scientific Writing for Biomedical and Clinical Scientists	Writing for the peer-reviewed literature in clinical and 1 translational science.	Enrollment in MPH-CTS program, or permission of instructor.
POBREPI 0414	Scientific Writing for Biomedical and Chilical Scientists	Relationships between dietary intake and diseases affecting the	, , ,
PUBHEPI 6415	Nutrition in Public Health	3 public health.	6410 or 6430, or permission of instructor.
FOBILFI 0413	Nutrition in rubile relatin	Introduction to the nature and scope of epidemiology; survey	0410 of 0430, of permission of histractor.
		of basic epidemiological methods and their application to	
		selected acute and chronic health problems. Lecture and	Enrollment in MPH-Epidemiology, or any Public Health MS or PhD program, or permission
PUBHEPI 6430	Epidemiology I	4 laboratory sessions.	of instructor.
		Introduction to health survey methods, with public health	
PUBHEPI 6431	Design & Implementation of Health Surveys	3 applications.	6410 or 6430, or permission of instructor. Not open to students with credit for 705.
		Introduction to injury epidemiology; historical context, trends,	
		research methods and issues; survey of areas of injury	
PUBHEPI 6432	Injury Epidemiology	2 epidemiology and prevention.	6410 or 6430, or permission of instructor. Not open to students with credit for 714.
		Epidemiology of tuberculosis in the United States and	
PUBHEPI 6434	Tuberculosis: A Public Health Issue	1 internationally.	6410 or 6430, or permission of instructor. Not open to students with credit for 717.
		Survey of the epidemiology of chronic diseases, including	
		cancer, heart disease, stroke, diabetes mellitus, chronic	
		obstructive pulmonary disease, and neurodegenerative	
PUBHEPI 6435	Chronic Disease Epidemiology	3 diseases.	6410 or 6430, or permission of instructor. Not open to students with credit for 814.
		Introduction to the epidemiology of infectious diseases, with	
DUDUEDI CASC	Infantious Disease Enidentials and	focus on basic methods for investigation, control, and	CAAO on CAOO
PUBHEPI 6436	Infectious Disease Epidemiology	3 prevention of communicable disease.	6410 or 6430, or permission of instructor. Not open to students with credit for 815.
		Epidemiology of cancer, including etiology, risk factors,	
		neoplastic processes, screening, control; application of	
PUBHEPI 6437	Cancer Epidemiology	3 statistical methods; molecular genetic basis of carcinogenesis.	6410 or 6430, or permission of instructor. Not open to students with credit for 816.
		Epidemiology of reproductive and perinatal health and	2.22.2.2.3. 5.22, or permission or modulation modulation of the order
PUBHEPI 6440	Reproductive and Perinatal Epidemiology	3 methodologic challenges unique to this area.	6410 or 6430, or permission of instructor. Not open to students with credit for 820.
	, p p p p	Overview of issues related to women's health from	,
PUBHEPI 6441	Women's Health Issues	3 epidemiological and behavioral perspectives.	6410 or 6430, or permission of instructor. Not open to students with credit for 818.
PUBHEPI 7193	Individual Studies in Epidemiology	1-6 Individual Studies in Epidemiology.	Permission of instructor.
PUBHEPI 7194	Group Studies in Epidemiology	1-3 Group Studies in Epidemiology.	Permission of instructor.
		Design of epidemiologic studies including cross-sectional	
		studies, case-control studies, cohort studies, clinical trials, and	
PUBHEPI 7410	Epidemiology II	4 group-randomized trials.	6430, or permission of instructor. Not open to students with credit for 711.

Publisher P 2411   Explanemiology in Environmental Health   Remonstrated Internal P 242   Principles and Procedures for Fulnian port of Explanemiology in Environmental Health   Principles and procedures for Fulnian port of Explanemiology in Exp				
PUBMEP 17411 pickenilology in Environmental Relath PUBMEP 17412 principles and procedures for directal professionable in the 2 design, connection of direct from case control and 4 pickenilology III days and interpretation of direct from case control and 4 pickenilology III days and interpretation of direct from case control and 4 pickenilology III days and interpretation of direct from case control and 4 pickenilology III days and interpretation of direct from case control and 4 pickenilology III days and interpretation of direct from case control and 4 pickenilology III days and interpretation of from case control and 4 pickenilology III days and interpretation of the from case control and 4 pickenilology III days and interpretation of the from case control and 4 pickenilology III days and interpretation of the from case control and 4 pickenilology III days and interpretation of the from case control and 4 pickenilology III days and interpretation of the from case control and 4 pickenilology III days and interpretation of the from case control and 4 pickenilology III days and interpretation of the from case control and 4 pickenilology III days and interpretation of the from case control and 4 pickenilology III days and interpretation of pickenilology and days and interpretation of pickenilology and days and interpretation of pickenilology and days and interpretation of picke			Principles and application of epidemiologic methods in the	
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PUBMEP 17420 Piniciples and Procedures for Human Clinical Trias Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of the from access control and Analysis and Interpretation of the from the Analysis and Interpretation of the from the Analysis and Interpretity of the Analysis and Interpretity of the Pubmer 1712 (Course Description Public Health: Epidemiology (PUBMEP))  Critique and justification for methods of designing, analysing and interpretity of the Pubmer 1712 (Course Description Pubmer 1712)  Course Description Pubmer 1712 (Course Description Pubmer 1712)  Critique and justification for methods of designing, analysing and interpretity of the Pubmer 1712 (Course Description Pubmer 1712)  Critique and justification for methods of designing, analysing and interpretity of the Pubmer 1712 (Course Description Pubmer 1712)  Critique and justification for methods of designing, analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and pubmer in the Critique and pubmer in the Critique and pubmer in the Critique and pubme	PUBHEPI 7411	Epidemiology in Environmental Health	3 environmental hazards	6430, or permission of instructor.
PUBMEP 17420 Piniciples and Procedures for Human Clinical Trias Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of data from access control and Analysis and Interpretation of the from access control and Analysis and Interpretation of the from the Analysis and Interpretation of the from the Analysis and Interpretity of the Analysis and Interpretity of the Pubmer 1712 (Course Description Public Health: Epidemiology (PUBMEP))  Critique and justification for methods of designing, analysing and interpretity of the Pubmer 1712 (Course Description Pubmer 1712)  Course Description Pubmer 1712 (Course Description Pubmer 1712)  Critique and justification for methods of designing, analysing and interpretity of the Pubmer 1712 (Course Description Pubmer 1712)  Critique and justification for methods of designing, analysing and interpretity of the Pubmer 1712 (Course Description Pubmer 1712)  Critique and justification for methods of designing, analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and justification for methods of designing analysing and interpretity of the Critique and pubmer in the Critique and pubmer in the Critique and pubmer in the Critique and pubme			Principles and procedures for clinical professionals in the	7410 and PUBHBIO 6211, or permission of instructor. Not open to students with credit for
Publish   Publ	PURHEPI 7412	Principles and Procedures for Human Clinical Trials	· · · · · · · · · · · · · · · · · · ·	·
Course abbreviation and number ex. PUBHITH 3550)  Public Health: Epidemiology (PUBHEP)  Public Health: Epidemiology (PUBHEP)  Citique and justification for methods of designing, malpring and teleproperage pedemiological datas social, historical and politicophical contents of a designing malpring and teleproperage pedemiological datas social, historical and oblitosophical productions of administration of phytochemicals in human Health. Crops to the Clinic  PUBHEP 7450 Topics of Epidemiology  PUBHEP 7450 Topics of Epidemiology of Decisty  PUBHEP 8411 Epidemiology of Decisty  PUBHEP 8411 Epidemiology of Decisty  PUBHEP 8410 Epidemiology of Decisty  PUBHEP 8410 Epidemiology of Decisty  PUBHEP 8430 Epidemiology of Decisty  PUBHEP 8430 Topics of Epidemiology of Decisty  PUBHEP	1 051121 1 7 1 1 2	- The president in the court of the man difficult in the second of the s	,	7.23
Course abbreviation and number ex. Dourse Title DUBHITH 35.50)  Public Health: Epidemiology (PUBHEP)  Critique and justification for methods of designing, analyzing and interpreting epidemiological data; social, historical and particular property of physiochemical in human health. And property of physiochemical in human health. Crops to the Clinic Seminar In Epidemiology (Public Health: Crops to the Clin	PURHEPI 7430	Enidemiology III	,	7410 and 6211, or permission of instructor. Not open to students with credit for 712
and number ex.  PUBHLITH 3550)  Public Health: Epidemiology (PUBHEPI)  Critique and justification for methods of designing, analyzing and interpreting epidemiological datas, social, historical and permission of instructor. Not open to students with credit for 810.  PUBHEPI 7431 Spidemiology Commission of Epidemiology Commission of Instructor. Not open to Sustainability consideration.  PUBHEPI 7830 Phytochemicals in Human Health: Crops to the Clinic Seminar on Epidemiology Commission in Epidemiology Commission of Instructor Commission of Instructor. Not open to Sustainability Consideration in the Obision of Epidemiology.  The goal of this course is to facilitate students through the process of developing their cuminating project proposals and literature reviews. Cuminating project proposals and literature rev	T OBILLIT 7430	Epidermology in	4 conort stadies and nom clinical thats.	7710 and 0211, or permission of instructor. Not open to students with credit for 712.
PUBHEIT 3550) Public Health: Epidemiology (PUBHEP)  Critique and justification for methods of designing, analyzing and interpreting epidemiological data, social, historical and 3 philosophical foundations of epidemiologic methods.  PuBHEPI 7431 Epidemiology (PUBHEP)  Topics of Epidemiology  Topics of Epidemiology  Topics of Epidemiology  Topics of Epidemiology  PuBHEPI 7450  Topics of Epidemiology  PuBHEPI 7450  PuBHEP	Course abbreviation		2 111	
PUBHEPI 7830 Pytochemicals in Human Health: Crops to the Clinic 3 sortianability considerations of personal in the Division of Epidemiology and permission of instructor. Not open to students with credit for 850.  PUBHEPI 7899 Seminar in Epidemiology  PUBHEPI 7998 Culminating Project Seminar  PUBHEPI 7998 Culminating Project Seminar  PUBHEPI 7998 Culminating Project Seminar  PUBHEPI 8411 Epidemiology of Obesity  PUBHEPI 8413 Nolecular Epidemiology of Infectious Diseases  PUBHEPI 8430 Epidemiology IV  PUBHEPI 8430 Doctoral Seminar in Epidemiology IResearch Methods  PUBHEPI 8430 Epidemiology IV  PUBHEPI 8430 Doctoral Seminar in Epidemiology IResearch Methods  PUBHEPI 8430 Epidemiology IV  PUBHEPI 8430 Epidemiology IV  PUBHEPI 8430 Epidemiology IV  PUBHEPI 8430 Doctoral Seminar in Epidemiology IResearch Methods  PUBHEPI 8430 Doctoral Seminar in Epidemiology IResearch Methods  PUBHEPI 8430 Epidemiology IV  PUBHEPI 8430 Epidemiology IV  PUBHEPI 8430 Doctoral Seminar in Epidemiology IResearch Methods  PUBHEPI 8430 Doctoral Seminar in Epidemiology IResearch Methods  PUBHEPI 8430 Epidemiology IV  PUBHEPI 8430 Doctoral Seminar in Epidemiology IResearch Methods  PUBHEPI 8430 Doctoral Seminar in Epidemiology IResearch Methods  PUBHEPI 8430 Doctoral Seminar i	and number ex.	Course Title	Course Description	Prerequisites/Exclusions/Cross Listings
PUBLEP 7431 Epidemiology (PUBHEP)  PUBLEP 7431 Epidemiology Methods 3 philosophical foundations of epidemiologic methods.  PUBLEP 7431 Epidemiology 1 february (Control of Public Methods) 3 philosophical foundations of epidemiologic methods.  PUBLEP 7450 Topics of Epidemiology 1 february (Control of Public Methods) 4 february (Co		Course Title	Hours Course Description	Terequisites, Exclusions, cross Estings
PUBHEP 7431 Epidemiologic Methods   Critique and justification for methods of designing, analyzing and interpreting epidemiological data; social, historical and 3 philosophical foundations of peripemiologic methods.   7430 and 6212, or permission of instructor. Not open to students with credit for 810.   PUBHEP 7450   Topics of Epidemiology   T				
PUBHEPT 7431 Epidemiologic Methods and interpreting epidemiological data; social, historical and al allosophical floridous of epidemiologics of epidemiology.  PUBHEPT 7450 Topics of Epidemiology Topics of E	Public Health: Epidemic	ology (PUBHEPI )		
PUBHEPT 7431 Epidemiologic Methods and interpreting epidemiological data; social, historical and al allosophical floridous of epidemiologics of epidemiology.  PUBHEPT 7450 Topics of Epidemiology Topics of E			Critical and instifferables for models of designing	
PUBHEPI 7831 Epidemiologic Methods  3 a philosophical foundations of epidemiologic methods. PUBHEPI 7850 Topics of Epidemiology  5 replaced rises on the Division of Epidemiology.  8 regular class on the Division of Epidemiology.  9 replaced rises of Phytochemicals in plants, the function of phytochemicals in human health, delivery of phytochemicals in human health. Grops to the Clinic  9 replaced rises of the Clinic  9 replaced rises on the Clinic assistantially control of Epidemiology.  1-3 regards in the Division of Epidemiology.  1-3 regards in the Division of Epidemiology.  1-4 replaced rises of the Epidemiology of Division of Provided Replaced rises of the Epidemiology of Infectious Diseases  PUBHEPI 8413 Molecular Epidemiology of Infectious Diseases  PUBHEPI 8430 Epidemiology IV  1-4 alwayse, interrupt and present their results.  9 replaced rises of phytochemicals in plants, the General not students with a reveal at students with a reveal to students with a reveal to students with a reveal to students with redit for 6513 (613), or equiv, or permission of instructor. Not open to students with redit for 6513 (613), or equiv, or permission of instructor. Not open to students with redit for 850.  9 replaced rises are revealed to the students with a students with a students with redit for 850.  9 replaced rises are revealed to the students with a students with a students with redit for 850.  9 replaced rises are revealed to proposals and literature reviews, culminating project approval form, and their application to the provided rises are replaced proposals and redical provided rises are replaced to proposals and redical provided rises are replaced to provide students with redit for 850.  9 replaced rises are replaced rises are replaced			, , ,	
Regular Class on topics that are relevant to students enrolled in Enrollment in Public Health, Grad standing, and permission of instructor.    PUBHEP 17850   Topics of Epidemiology   Topics   Topics of Epidemiology   Topics   Topics of Epidemiology   Topics	D. I.D. I.ED. 7404			7400 15040
PUBHEPI 7850 Topics of Epidemiology  Corporation in the Division of Epidemiology.  PUBHEPI 7830 Phytochemicals in human Health: Crops to the Clinic  PUBHEPI 7830 Phytochemicals in Human Health: Crops to the Clinic  PUBHEPI 7830 Phytochemicals in Human Health: Crops to the Clinic  Seminar on total are relevant to students enrolled in Seminar in Epidemiology  Seminar in Epidemiology  1-3 programs in the Division of Epidemiology.  The goal of this course is to facilitate students write that are relevant to students writh credit for #850.  PUBHEPI 7998 Culminating Project Seminar  PUBHEPI 7998 Culminating Project Seminar  PUBHEPI 7998 Culminating Project Approval form, and their application to the semester, it is expected that students will have submitted their culminating project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application to the seminary project approval form, and their application	PUBHEPI 7431	Epidemiologic Methods		7430 and 6212, or permission of instructor. Not open to students with credit for 810.
Covers the function and control of phytochemicals in plants, the function of phytochemicals in plants, the function of phytochemicals in human health, delivery of phytochemicals through floods in the diel, strategies when designing studies examining foods for health, and policy and sustainabilities of the phytochemicals in human health: Crops to the Clinic  PUBHEPI 7899 Seminar in Epidemiology  Seminar in Epidemiology  Seminar in Epidemiology  1-3 programs in the Division of Epidemiology.  The goal of this course is to facilitate students through the process of developing their culminating project. By the end of the semester, it is expected that students with nave submitted their culminary project proposals and literature reviews, culminating project proposals and literature reviews, culminati				
### Commendation of phytochemicals in human health, delivery of phytochemicals through floods in the diet, strategies when designing studies examining floods for health, and policy and 3 sustainability considerations.  ### Seminar in Epidemiology    Seminar in Epidemiology   Seminar in Epidemiology   Seminar in Epidemiology   Seminar in Epidemiology   The Board of this course is to facilitate students through the process of developing their culminating project. By the end of the semester, it is expected that students will have submitted their culminating project proposals and literature reviews, culminating project proposals and literature reviews, culminating project proposals and literature reviews. Culminating project spensols and literature reviews. Culminatin	PUBHEPI 7450	Topics of Epidemiology		Enrollment in Public Health, Grad Standing, and permission of instructor.
PUBHEPI 7830 Phytochemicals in Human Health: Crops to the Clinic 3 sustainability considerations.  PUBHEPI 7830 Phytochemicals in Human Health: Crops to the Clinic 3 sustainability considerations.  Seminar on topics that are relevant to students errolled in the Division of Epidemiology.  Seminar in Epidemiology 1-3 programs the Division of Epidemiology.  The goal of this course is to facilitate students through the process of developing their culminating project. By the end of the semester, it is expected that students will have submitted their culminating project proposals and literature reviews, culminating project proposals and literature reviews obards as needed.  PUBHEPI 7998 Culminating Project Seminar 1 RB and other streams and issues related to obesity, critical reading and discussion of a research on epidemiology of obesity.  PUBHEPI 8411 Epidemiology of Obesity 3 research on epidemiology of obesity.  PUBHEPI 8413 Molecular Epidemiology of Infectious Diseases 3 infectious Diseases and molecular biology. Permission of instructor. Not open to students with credit for VetPrev 700 or 724.  Students will gain hands- on experience working with data from existing epidemiological studies. Through structured projects, students learn to develop appropriate research questions, and PUBHBIO 6212, or permission of instructor.  PUBHEPI 8430 Epidemiology IV 14 analyze, interpret, and present their results.  PUBHEPI 8899.01 Doctoral Seminar in Epidemiology; Research Methods 1-3; critically repretent their results.  PUBHEPI 8899.01 Doctoral Seminar in Epidemiology; Research Methods 1-3; critically research articles.				
PUBHEPI 7830 Phytochemicals in Human Health: Crops to the Clinic 3 sustainability considerations.  Seminar on topics that are relevant to students enrolled in Enrollment in Public Health, Grad standing, and permission of instructor. Not open to students with credit for FdScTe 7810.  Seminar on topics that are relevant to students enrolled in Enrollment in Public Health, Grad standing, and permission of instructor. Not open to students with credit for RSC.  The goal of this course is to facilitate students through the process of developing their culminating project. By the end of the semester, it is expected that students will have submitted their culminating project proposals and literature reviews, culminating project approximation form, and their application to the success of eveloping their culminating project proposals and literature reviews, culminating project approximation form, and their application to the success of eveloping their culminating project proposals and literature reviews, culminating project approximation form, and their application to the success of eveloping their culminating project proposals and literature reviews, culminating project approximation form, and their application to the success of eveloping their culminating project proposals and literature reviews, culminating project approximation form, and their application to the success and issues related to obesity, critical reading and discussion of success and sissues for estated to obesity, critical reading and discussion of provided and published program in Epidemiology.  Publisher Ratio Provides success and molecular biology of obesity disease outbreaks in humans and animals using molecular biology.  Publisher Ratio Review of the success and molecular biology.  Publisher Ratio Review of the success and molecular biology.  Publisher Ratio Review of the success and molecular biology.  Publisher Ratio Review of the success and molecular biology.  Publisher Ratio Review of the success and molecular biology.  Publisher Ratio Review o			, ,	
PUBHEPI 7830 Phytochemicals in Human Health: Crops to the Clinic Seminar on topics that are relevant to students enrolled in Enrollment in Public Health, Grad standing, and permission of instructor. Not open to students with credit for #850.  The goal of this course is to facilitate students through the process of developing their culminating project. By the end of the semester, it is expected that students will have submitted their culminating project proposals and literature reviews, culminating project approval form, and their application to the 1IRB and other review boards as needed.  PUBHEPI 7998 Culminating Project Seminar 1IRB and other review boards as needed.  PUBHEPI 8411 Epidemiology of Obesity 3 research on epidemiology of obesity.  PUBHEPI 8411 Epidemiology of Infectious Diseases 3 infectious Diseases 0 students with the knowledge and skills to study disease outbreaks in humans and animals using molecular biology.  PUBHEPI 8413 Molecular Epidemiology of Infectious Diseases 3 infectious diseases and molecular biology.  PUBHEPI 8430 Epidemiology IV 1-4 analyze, interpret, and present their results.  PUBHEPI 8899.01 Doctoral Seminar in Epidemiology: Research Methods 1-3 richtical team to develop appropriate research questions, and analyze, interpret, and present their results.  Seminar for doctoral students mit poblemiology with a focus on 1-3 richtical reviewing research articles.  Seminar for doctoral students in public into tudents with credit for students with program.				
Seminar on topics that are relevant to students enrolled in students enrolled in programs in Epidemiology  The goal of this course is to facilitate students through the process of developing their culminating project. By the end of the semester, it is expected that students will have submitted their culminating project proposals and literature reviews, culminating proje				
PUBHEPI 8413 Molecular Epidemiology IV  PUBHEPI 8413 Molecular Epidemiology IV  PUBHEPI 8413 Epidemiology IV  PUBHEPI 8430 Epi	PUBHEPI 7830	Phytochemicals in Human Health: Crops to the Clinic	·	
The goal of this course is to facilitate students through the process of developing their culminating project. By the end of the semester, it is expected that students will have submitted their culminating project proposals and literature reviews, culminating project approval form, and their application to the culminating project approval form, and their application to the land other review boards as needed.  Prevalence, trends, risk factors, measurement, outcomes and issues related to obesity, critical reading and discussion of susser selected to obesity, critical reading and discussion of susser selected to obesity, critical reading and discussion of discussion of susser related to obesity, critical reading and admissurable suspension of instructor. Not open to students with credit for suspension of instructors. Not open to students with credit for suspension of instructors. Not open to students with credit for suspension of instructors. Not open to students with credit for suspension of instructors. Not open to students with credit for suspension of instructors. Not open to students with credit for suspension of instructors. Not open to students with credit for very review of suspension of instructors. Not open to students with credit for very review of suspension of instructors. Not open to students with credit for very review of suspension of instructors. Not open to students with credit for very review of suspension of instructors. Not open to students with credit for very review of suspension of instructors. Not open to students with credit for very review of suspension of instructors. Suspension of instructors. Suspension of instructors.  PUBHEPI 8430 Epidemiology IV Suspension of instructors. Suspension of inst			· ·	
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process of developing their culminating project. By the end of the semester, it is expected that students will have submitted their culminating project proposals and literature reviews, culminating project approval form, and their application to the 1 IRB and other review boards as needed.  Prevalence, trends, risk factors, measurement, outcomes and issues related to obesity; critical reading and discussion of 3 research on epidemiology of obesity.  Provides students with the knowledge and skills to study disease outbreaks in humans and animals using molecular biology techniques. Recommended basic knowledge of 9 infectious Diseases  PUBHEPI 8413 Molecular Epidemiology of Infectious Diseases  Author of the provides students with a from existing epidemiological studies. Through structured projects, students learn to develop appropriate research questions, and PUBHEPI 8430  Epidemiology IV  1-4 analyze, interpret, and present their results.  Seminar for doctoral Seminar in Epidemiology: Research Methods  PUBHEPI 8899.01  Doctoral Seminar in Epidemiology: Research Methods  PIBHEPI 8899.01  Doctoral Seminar in Epidemiology: Research Methods  Enrollment in MPH program in Epidemiology.  Enrollment in MPH program in Epidemiology.  Enrollment in MPH program in Epidemiology.  Parmission of instructor. Not open to students with credit for VetPrev 700 or 724.  Seminar for doctoral students in epidemiology with a focus on critically reviewing research articles.  Seminar for doctoral students in epidemiology with a focus on critically reviewing research articles.  Enrollment in MPH program in Epidemiology.  Enrollment in MPH program in				
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Company for destand the contract to contract to contract to contract to contract to the form	PUBHEPI 8899.01	Doctoral Seminar in Epidemiology: Research Methods	, -	Enrollment in PhD program.
· · · ·			Seminar for doctoral students in epidemiology with a focus on	
PUBHEPI 8899.02   Doctoral Seminar in Epidemiology: Teaching Methods   2   teaching methods.   Enrollment in PhD program.	PUBHEPI 8899.02	Doctoral Seminar in Epidemiology: Teaching Methods	2 teaching methods.	Enrollment in PhD program.

РИВНЕРІ 8899.03	Introductory Doctoral Seminar in Epidemiology	Designed for PhD students in the Division of Epidemiology.  During the course of two semesters, students will be introduced to the faculty in Epidemiology and learn about their research programs and read important papers in the field of Epidemiology. Through these activities, students will be 1 introduced to the philosophy and practice of epidemiology.	Enrollment in Public Health PhD program.
Course abbreviation			
and number ex.	Course Title	Credit Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)	course ritte	Hours Course Description	Frerequisites/ Exclusions/ Cross Listings
	ehavior and Health Promotion (PUBHHBP)		
rubiic Health. Health be		Individual studies in Health Behavior and Health Promotion	
PUBHHBP 3193	Individual Studies in Health Behavior and Health Promotion		Permission of instructor.
		Introduction to concepts of health behavior and its role in public health; social determinants of health; applications to	
PUBHHBP 3510	Role of Behavior in Public Health	3 selected community health problems and issues.	none
PUBHHBP 5520	Public Health in Action		Enrollment in Public Health, and Grad standing; or permission of instructor. Not open to students with credit for 860.
РИВНИВР 6510	Preventing Disease and Promoting Health through Behavioral Science	Examination of behavioral and social science concepts as the basis for public health practice; topics include transferring	Grad standing, and enrollment in Public Health program. Not open to students with credit for 720.
РИВННВР 6515	Advanced Preventing Disease and Promoting Health through Beahvioral Science	This course will address the philosophical underpinnings, health behavior theories, and strategies for effective behavioral and 3 social change efforts in public health	Enrollment in the College of Public Health graduate program with a specialization in Health Behavior and Health Promotion.
РИВННВР 6535	Community Engagement and Collaborative Community Problem Solving	This class provides the opportunity to review a number of concepts critical to collaborative community problem-solving. A broad range of literature will be reviewed and students will have the opportunity to experience several simulated 3 processes unique to the collaborative problem-solving process.	6510 or permission of instructor.
		Individually designed study of selected topics in health behavior	
PUBHHBP 7193	Individual Studies in Health Behavior and Health Promotion	1-6 and health promotion.	Permission of the instructor.
		Models of community health assessment; skills in identifying, analyzing and integrating information concerning community	
PUBHHBP 7520	Community Health Assessment	, , , , , , , , , , , , , , , , , , , ,	Enrollment in Public Health, and Grad standing; or permission of instructor.
РИВННВР 7522	Program Planning and Implementation	Planning and implementation of programs to address public health issues in defined populations; development of a health a promotion program for a specific community partner.	Enrollment in Public Health, or Grad standing; or permission of instructor. Not open to students with credit for 827.
		Professional practice settings and expectations for health promotion; application of health promotion theories and	
PUBHHBP 7528	Foundations of Professional Practice in Health Promotion	2 perspectives to community problems.	Enrollment in Public Health, and Grad standing; or permission of instructor
		1	, , , , , , , , , , , , , , , , , , , ,

		Examination of evaluation models for public health programs;	
		exploration of philosophical and scientific issues in evaluation;	
		and skill building in both qualitative and quantitative evaluation	
PUBHHBP 7532	Program Evaluation in Public Health	3 methods.	Enrollment in Public Health, and Grad standing; or permission of instructor.
		Social science research methods emphasizing methods used to	
		assess the dimensions of health-relevant behaviors and	
РИВННВР 7534	Research Methods in Health Behavior and Health Promotion	3 community-based prevention research.	Enrollment in Public Health, and Grad standing; or permission of instructor.
		Critical characteristics of principal settings in which health	
		promotion interventions occur and populations to which they	Enrollment in Public Health, and Grad standing; or permission of instructor. Not open to
PUBHHBP 7542	Settings and Special Populations in Health Promotion	3 apply such as youth, elderly, racial and ethnic minorities.	students with credit for 822
7542	Settings and Special Foundations in Fleditin Fornotion	Presents the ideas that population health is determined by	Students with creaters 522
	Fundamental Determinants of Population Health and Implications	factors outside of health care and individual behavior occurs	Enrollment in Public Health, and Grad standing; or permission of instructor. Not open to
PUBHHBP 7544	·	3 within a social context.	students with credit for 830.
РОВННВР 7544	for Public Health		students with credit for 830.
		Regular class on topics that are relevant to students enrolled in	
		programs in the Division of Health Behavior and Health	
РИВННВР 7550	Special Topics in Health Behavior and Health Promotion	1-6 Promotion.	Grad standing.
Course abbreviation		Cradit	
and number ex.	Course Title	Credit Course Description	Prerequisites/Exclusions/Cross Listings
		Hours	
PUBHLTH 3550)			
Public Health: Health Be	ehavior and Health Promotion (PUBHHBP)	,	
		History of substance abuse prevention efforts; theoretical	Enrollment in Public Health, and Grad standing; or permission of instructor. Not open to
PUBHHBP 7552	Substance Abuse Prevention	2 foundations and elements of successful programs.	students with credit for 826.
		Overview of behavioral issues associated with cancer at the	Enrollment in Public Health, and Grad standing; or permission of instructor. Not open to
PUBHHBP 7554	Cancer Behavioral Science	2 individual and community levels.	students with credit for 828.
		Community health promotion strategies using policy, systems,	Enrollment in Public Health, and Grad standing; or permission of instructor. Not open to
РИВННВР 7558	Social-Ecological Strategies in Prevention	2 and environmental change perspectives.	students with credit for 858.
		Major theories drawn from social and behavioral science	
	Theoretical Approaches to Health Behavior Change in Public Health	literature, pertinent to understanding and addressing problems	
PUBHHBP 7562	Applications	2 in health behavior.	Enrollment in Public Health, and Grad standing; or permission of instructor.
7302	лирисатолз	Focuses on the health of adolescents in the United States.	Emolinette in a unite recutar, und Grad standing, or permission of histractor.
PUBHHBP 7564	A Public Health Approach to Adolescent Health	2 Emphasis is on	none
FOBILIBE 7304	A Labile Health Approach to Adolescent Health		none
		This course examines the context, causes, and consequences of	
		obesity in the United States today. We will begin with an	
		examination of trends in obesity and a description of the scope	
		of the program. Next, the course will examine physiological,	
		psychological, sociological, and economic factors that	
PUBHHBP 7570	Obesity, A Multidisciplinary Approach	2 contribute to the obesity problem.	Cross listed in HDFS
		The purpose of the culminating project is to provide students	
		with the opportunity to integrate and synthesize knowledge	
		and experience obtained during their academic course of study.	
		Most culminating projects focus on: (A) Community	
1		assessment; (B) Program planning and implementation; (C)	
		Program evaluation or (D) Other projects as approved by your	Open only to MPH Health Behavior Health Promotion students preparing for their
PUBHHBP 7899.01	Seminar: Culminating Project I	1 advisor.	culminating project.
7055.01	Serman Summating Project i		canning project.
		The purpose of the culminating project is to provide students	
		with the opportunity to integrate and synthesize knowledge	
		and experience obtained during their academic course of study.	
		Most culminating projects focus on: (A) Community	
1		assessment; (B) Program planning and implementation; (C)	
1		Program evaluation or (D) Other projects as approved by your	Open only to MPH Health Behavior Health Promotion students preparing for their
PUBHHBP 7899.02	Seminar: Culminating Project II	1 advisor.	culminating project.
. 5551 7655.02	Jennian Sammating Froject ii	1 441.5511	Learning Project

	dvanced Theory of Health Behavior Change in Public Health pplications		Prereq or concur: 7562.
		Seminar concerning academic and professional development topics for Ph.D. students, with a focus on selecting research topics, reviewing research, course development, and other	
PUBHHBP 8899.01 Fir	irst Year Doctoral Seminar in HBHP	1 topics.	Enrollment in Health Behavior and Health Promotion Ph.D. Program.
		A seminar for Ph.D. students in Health Behavior and Health Promotion emphasizing the selection and development of research projects including proposing preparation and funding	
PUBHHBP 8899.02 Se	econd Year Doctoral Seminar in HBHP	1 sources.	Enrollment in PUBHHBP Ph.D. Program.
Course abbreviation		Credit	
and number ex.	ourse Title	Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		Hours	
Public Health: Health Servi	ices Management and Policy (PUBHHMP)		
	ndividual Studies in Health Services Management and Policy	Individual studies in Health Services Management and Policy	
	ocusing on applied topics	1-6 focusing on applied topics.	Permission of instructor.
	ealth Economics for Health and Policy Students	This course is designed to provide an intuitive understanding of	
	,	health economics and policy for non-economists. It will cover	
		the basics and health markets and apply those concepts to	
		policy applications. Economics 2001.01 recommended but not	
		required	
		Introduction to the history, organization and politics of the	
		global health care system, critical review of selected issues	
PUBHHMP 4650 Ur	nited States & International Health Care	3 using different analytic frameworks.	none
		Analysis of arrangements for the organization, financing and	
РИВННМР 6609	ealth Care Organization for Experienced Professionals	3 delivery of health care services.	none
	,	Analysis of arrangements for the organization, financing, and	
PUBHHMP 6610 Int	ntroduction to Health Care Organization	3 delivery of health care services.	
		This course provides an overview of the U.S. health care	
		system. Topics covered include health and health care	
		disparities, social determinants of health, health care access	
		and utilization, financing of care through public and private	
		health insurance, provider reimbursement, assessment of	
		quality, quality improvement, and new forms of health care	
PUBHHMP 6611 He	ealth and Health Care Services in the U.S.	3 delivery and payment.	Enrollment in PUBHHMP major
		This course introduces students to major theories and concepts	
DUDUUMD CC15	ublic Hoolth Loodorship and Organizational Dahavic	of organizational behavior and leadership and applies these to	Crad standing or narriesian of instructor
PUBHHMP 6615 Pu	ublic Health Leadership and Organizational Behavior	3 challenges facing public health organizations	Grad standing or permission of instructor
		This course will provide practical experience in examining	
		multiple sources of evidence on population health	
		management and public health interventions and will introduce	
PUBHHMP 6620 Cr	ritical Appraisal of Population Health Evidence	3 students to the tools used to perform systematic reviews	Grad standing or permission of instructor
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РИВННМР 6625	Leveraging Healthcare Data for Practice and Policy Change	This course will prepare students to develop questions for and utilize results from healthcare database research. Strengths and limitations of healthcare databases commonly used for research will be considered, and special attention will be devoted to nationally representative databases and local electronic medical record data	A grade of C- or higher in PUBHEPI 6410 and PUBHBIO 6210, or permission of instructor
РИВННМР 6630	Project Management for Health Care and Public Health	This course introduces students to the role of project management in executing successful projects. The course focuses on concepts and tools of basic project management, with a special emphasis on managing projects in health care and public health settings. Students will learn fundamental techniques for project planning, scheduling & monitoring through case studies, class exercises, and assignments	Grad standing or permission of instructor
		Study of individually designed topics not otherwise available in	
PUBHHMP 7193	Individual Studies in Health Services Management and Policy	1-6 the curriculum.	none
PUBHHMP 7194	Group Studies in Health Services Management and Policy	Group studies of special topics within health services 1-3 management and policy.	none
POBINIVIP / 194	Group Studies in Health Services Management and Policy	1-5 management and policy.	none
Course abbreviation		Credit	
and number ex.	Course Title	Hours Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		Hours	
Public Health: Health Se	rvices Management and Policy (PUBHHMP)		
		This course will cover applications of microeconomic analysis to	
PUBHHMP 7601	Economic Analysis of Health Services	the health services industry, with emphasis on the market structure and managerial decisions.	Prereg or concur 6611, or permission of instructor.
	,	This course examines the health insurance mechanisms used to	
DUDUUM 4D 7000		pay for healthcare in the United States. The course will	Grad standing in PUBHHMP, or permission of instructor. Not open to students with credit
PUBHHMP 7602	Health Insurance and Payment Policy	3 examine the U.S. system's origins, the incentives and policy	for 802.
РИВННМР 7603	Economic Evaluation of Health Care Programs	Intended to give students an overview of the theory and applications of cost-benefit analysis, cost-effectiveness analysis, cost-utility analysis and related forms of economic evaluation of interventions in the health care sector.	Grad standing or permission of instructor
		Microeconomic principles of supply with applications to the provision of health care services; market place for nurses and	
РИВННМР 7604	Economics of Health Care II	3 physicians; assessment of the competitive model	7602, or permission of instructor.
		Introduction to public policy concepts and processes as they	
DUDUUM 4D 7005	Introduction to Hoolth Policy	apply to the organization, financing, and delivery of health	CC11 or normission of instructor
PUBHHMP 7605	Introduction to Health Policy	3 services.  Introduction to public policy concepts and processes as they	6611, or permission of instructor.
		apply to the organization, financing, and delivery of health	
PUBHHMP 7606	Applied Health Policy	3 services.	6609, or permission of instructor.
PUBHHMP 7607	Financial Management of Public Health Programs	Principles of accounting and finance applied to the management of public health agencies and programs.	An introductory accounting course, and enrollment in MPH Program; or permission of instructor. Not open to students with credit for 823.
FUBRINIE / 100/	Financial Management of Public Health Programs	This course will explore the role that science, including social science, plays in public health & health services policy-making. It will consider the conditions under which scientific research findings do & do not influence policy-making with reference to the nature of scientific inquiry & of public policy; the intellectual, institutional, and practical similarities & differences	instructor. Not open to students with Clear for 625.
PUBHHMP 7608	The Role of Science in Health Policy-Making	3 between them.	none

		The course will force on the consent to the late in consent to	
		The course will focus on the use of legal tools to improve the	
		public's health. The course will survey the legal framework in which the government may regulate for the public's health,	
		addressing issues including the origins and scope of public	
		health authority, constitutional limits on public health powers,	
PUBHHMP 7610	Public Health Law	3 emergency legal preparedness, and public health tort litigation.	Cross listed in Law 8810
POBHHIVIP 7010	r ubile freattif Law		Grad standing in PUBHHMP, or permission of instructor. Not open to students with credit
PUBHHMP 7611	Health Care Law for Managers	3 care field.	for 811.
1 OBTITION 7011	Treatment care taw for Managers	This course explores legal, policy and public health issues	101 011.
PUBHHMP 7612	FDA Law and Policy	3 related to products	none
		This course examines the regulation of tobacco, with a focus on	
		the role of the US FDA. This course highlights the history,	
		significant provisions, and effects of the 2009 Tobacco Control	
		Act, as well as the vital role that public health researchers and	
		professionals play in influencing how the FDA implements the	
PUBHHMP 7613	Tobacco Regulation & Policy	2 Act.	none
		This course is designed to provide students with a strong	
		foundation in health services management, focusing on human	Grad standing in HSMP (MPH-HSMP, MHA, or PhD) or permission of instructor. Not open
PUBHHMP 7615	Health Services Organizational Management	3 resources management and organizational behavior.	to students with credit for 815.
Course abbreviation		Cundit	
and number ex.	Course Title	Credit Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		Hours	,
•	prices Management and Delicy (DUDUUMD)		
Public Health: Health Se	ervices Management and Policy (PUBHHMP)	Overview of leadership and organizational change theories, as	
			7C1F and Crad standing in the UCNAD NALLA programs or neuroission of instructor. Not one
PUBHHMP 7617	Health Services Leadership and Organizational Change	well as the application of those theories to case studies in 3 health sector organizations.	7615 and Grad standing in the HSMP-MHA program, or permission of instructor. Not open to students with credit for 817.
FOBILITIVIF 7017	Treattr Services Leadership and Organizational Change	Principles of finance and accounting applied to health service	An introductory course in financial accounting, or permission of instructor. Not open to
PUBHHMP 7620	Health Services Finance I	3 organizations.	students with credit for 820.
7626	Treatin Services ( marice )	Continuation of 7620 emphasizing financial analysis, financial	Students with creaters 626.
PUBHHMP 7621	Health Services Finance II	3 planning, and capital project analysis.	7620, or permission of instructor. Not open to students with credit for 821.
		Principles of financial decision-making in health service	
		organizations, with emphasis on applications of decision	
РИВННМР 7622	Health Services Financial Decision-Making	3 support systems.	7621, or permission of instructor. Not open to students with credit for 822.
		Designed for public health professionals who wish to enhance	
		their knowledge of the economic principles that drive the	
		health care system. The course will introduce you to the use of	
		economic analysis and economic evaluation for healthcare	
PUBHHMP 7624	Health Economics for Experienced Professionals	3 decision making.	Not open to students with credit for 824.
			Enrollment in MHA program, or permission of instructor. Not open to students with credit
PUBHHMP 7631	Strategic Management and Program Development	3 planning in health care organizations and settings.	for 831.
		This are well and the shadow of foundations of the state of	
		This course will provide students a foundation in the theories,	
	Strategic Change for Public Health and Depulation Health	concepts & methods of strategic planning and the management	
PUBHHMP 7632	Strategic Change for Public Health and Population Health Management	of organizational change as applied to public health & 3 population health management endeavors.	none
TOUTHINF 7032	management	Investigation of public policy in the area of mental health and	none
		disability and the politics that are the origin and result of these	
PUBHHMP 7640	Mental Health & Disability Policy	3 policies.	Not open to students with credit for 840.
. 551111111 7070		Seminar on issues and methods of inquiry in health services	Enrollment in PhD program in Public Health, or permission of instructor. Not open to
PUBHHMP 7650	Advanced Topics in Health Services Management and Policy	1-3 management and policy.	students with credit for 900.
		Examination of the process of health policy formulation and	
PUBHHMP 7671	Comparative Health Care Systems	3 implementation from an international prospective.	Not open to students with credit for 870.01.
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DUDUUMD 7672	Clinical Potations	<u> </u>	Grad standing in PUBHHMP, or permission of instructor. Not open to students with credit
PUBHHMP 7672	Clinical Rotations	1.5 observe operations.	for 870.02
		Application of data from unit or a contract of the data to	
DUDUUMD 7672	Understanding Health Core Organization Date	Application of data from various sources to inform decision	DUDUDIO C210, or normicsion of instructor
PUBHHMP 7673	Understanding Health Care Organization Data	1.5 making in health services settings and in health policy	PUBHBIO 6210, or permission of instructor.
		Examination of ethical frameworks and their application to	Grad standing in PUBHHMP, or permission of instructor. Not open to students with credit
PUBHHMP 7674	Ethical Cases in Health Care	1.5 health services organizations and health policy.	for 870.04.
		Overview of human resources and its strategic importance to	
PUBHHMP 7675	Human Resources Management in Health Care	1.5 health care organizations.	Not open to students with credit for 870.05.
		Overview of topics in marketing and communications and how	
PUBHHMP 7676	Health Care Marketing	1.5 they apply to health care delivery.	Not open to students with credit for 870.06.
		Overview of the field of health services research and the role of	PUBHBIO 6210 and PUBHEPI 6410, or permission of instructor. Not open to students with
PUBHHMP 7678	Approaches to Health Services Research	3 health services research in improving health care delivery.	credit for 871.
		Examination of quality management and quality measurement	
РИВННМР 7679	Quality & Patient Safety	1.5 in health care with emphasis on patient safety.	none
		Concepts and techniques for managing operation in health	
		service organizations; emphasis on management perspective	Grad standing in PUBHHMP, or permission of instructor. Not open to students with credit
РИВННМР 7680	Operations Management for Health Service Organizations	3 and decision-making.	for 880.
Course abbreviation			
		Credit	
and number ex.	Course Title	Hours Course Description	Prerequisites/Exclusions/Cross Listings
PUBHLTH 3550)		nouis	
Public Health: Health So	ervices Management and Policy (PUBHHMP)		
. done realist realist of			
		Selected topics in health services operations management,	
BUBUU AB 7604		such as operations strategy, quality management, process	7500
PUBHHMP 7681	Advanced Health Services Operations Management	3 design, materials management, and facility location.	7680, or permission of instructor. Not open to students with credit for 881.
		This course is designed to provide students with an	
		understanding of issues in the management of information and	
		information technology in health care organizations, the role of	
		information technologies in improving organizational	
		performance, and the application of information technologies	
PUBHHMP 7682	Information Systems for Health Services Organizations	1.5 in health service organizations.	7680, or permission of instructor. Not open to students with credit for 882.
		This course is designed to introduce students to fundamental	
		theories, principles and practices for designing and managing	
		operations. The course is structured to emphasize the unique	
		aspects of process and system design in the health care	
		organizations and in the community health system, including	
		processes that cross organizational boundaries and include	
PUBHHMP 7683	On archiana Managament and Custom Design		
PUBHHIMP 7083	Operations Management and System Design	3 diverse stakeholders.	none
		Students will learn principles, discipline, & analytic tools that	
		comprise successful strategic management in healthcare	
		organizations, including: strategic assessment, strategy	
		development, implementation planning, & marketing. Emphasis	
1			
		will be placed on exploring strategic issues related to	Grad standing in Public Health - Health Services Management and Policy Master of Health
		will be placed on exploring strategic issues related to transitioning from volume to value-based models of care,	Grad standing in Public Health - Health Services Management and Policy Master of Health Administration program, or permission of instructor. Not open to students with credit for
		development, implementation planning, & marketing. Emphasis	

		To develop management consulting practice skills involving	
		strategic thinking, planning, analysis, and implementation	
PUBHHMP 7685	Healthcare Management Consulting Practice	3 phases of consulting engagements.	Enrollment in HSMP-MHA program, or permission of instructor.
		Small group seminar with focus on integrative projects in	
PUBHHMP 7699	Seminar in Health Services Management and Policy	1-3 health services management and policy.	Grad standing in PUBHHMP, or permission of instructor.
		Evaluation of specific techniques for measuring outcomes in	
PUBHHMP 8671	Health Care Outcomes Measurement	2 clinical and health services research studies.	Grad standing in PUBHHMP, or permission of instructor.
		Designed for doctoral and advanced masters students in the	
		College of Public Health and other OSU colleges. It will provide	
		students with a solid background of high-level policy	
PUBHHMP 8672	Advanced Topics in Health Policy	4 scholarship on topics fundamental to the health care system.	7605 or 7640; or permission of instructor.
	·	Doctoral level seminar on topics that are relevant to students	
		enrolled in the PhD program in health services management	
PUBHHMP 8899	Doctoral Seminar in Health Services Management & Policy	1-2 and policy.	Grad Standing in Public Health, or permission of the instructor.