		Domain Leader (varies per	Course Number or		
Course	Instructor	person/course #)	Institution	Credit Hours	Description
course		persony course "y		createriours	Didactic sessions - provide an overview of concepts dealing with the prevention of disease from the clinical
					perspective. This includes epidemiology, etiology, screening techniques and therapeutic approaches to mitigate
					morbidity associated with diseases both acute and chronic. This will be carried out by lecture and expert guest
					presentations supported by computer simulated case scenarios and small group discussion. The course will use Public
					Health and Preventive Medicine Maxcy-Rosenau-Last (M/R/L 2007) as a core reference, supplemented with additional
					guided reading.
					Journal Club will develop student's ability to critically evaluate and apply the published literature to a
					population/community health concern. Students are introduced to methods for defining a clinical preventive question
Clinical Dravantativa	Droventitive Med				in terms of – the population health issue, intervention, comparison and outcomes, refining a literature search strategy
Clinical Preventative	Preventitive Med	MCCD Disector			using a revised PICO and Search Strategy and Come prepared to provide a synopsis of your question, search strategy
Services	Didactic Faculty	MSCR Director	BIOM 505	1	and the results of your literature search (types and critical appraisal of the articles identified. Didactic sessions in Topics in Behavioral Health - are intended to provide an overview of concepts dealing with
					behavior change, epidemiology, prevention, intervention and risk factors related to mental health and substance
					abuse. This will be carried out by lecture and expert guest presentations supported by small group discussion.
					Required reading assignments for each session will develop student's ability to critically evaluate, apply and discuss the
	Preventitive Med				published literature related to behavior change theory, prevention/intervention programs, and health promotion and
Behavior Health	Didactic Faculty	MSCR Director	BIOM 505	1	health education models for individuals and population groups
Cortical Spreading					Attend Cortical Spreading Depression meetings weekly
Depression (CSD) Seminar	Research Mentor	MSCR Director	BIOM 505	1	Integrate research into presentations and participation
					Overview of concepts and programs designed to evaluate, control and communicate health risks arising from
Environmental Health Risk	Preventitive Med				exposures to biological, chemical, and physical agents, air and water pollution, radiation, noise and temperature. Also
Assessment	Didactic Faculty	MSCR Director	BIOM 505	2	included are injury and vector control. Exposures to both the general and occupational populations are considered.
					Understanding the principles of Public Health and Health Services Administration through the eyes of a health
					economist/physician/administrator in meeting the requirements of the American Board of Preventive Medicine are the
					primary objectives of the course. In addition, students will learn about the inefficiencies of the United States
Health Services	Preventitive Med				healthcare systems in meeting the needs of the public. This course will assist the practitioner/researcher in
Management	Didactic Faculty	MSCR Director	BIOM 505	1	understanding how to succeed in these systems.
					Eight week on-line course (webinar) focusing on various aspects of the abortion issue in the United States, drawing
					mainly on literature from the social sciences and history. The course has been especially developed for those holding
					Fellowships in Family Planning and Abortion. Topics: The struggle for birth control in the U.S. Abortion before
					legalization in the U.S. The Politicization and Stigmatization of abortion in the U.S. The demographics of abortion, and
	Family Planning Didactic				the politics of the demographics. The challenges of abortion training. The challenges of abortion training.
Sociology of Abortion	Faculty	MSCR Director	BIOM 505	1	Contemporary Abortion Provision in challenging environments. Key legal cases
					We will introduce methods to perform systematic reviews and meta-analysis of clinical trials. We will cover how to
					formulate an answerable research question, define inclusion and exclusion criteria, search for the evidence, extract
					data, assess the risk of bias in clinical trials, and perform a meta-analysis.
				1	Upon successfully completing this course, participants will be able to:
				1	- Describe the steps in conducting a systematic review
				1	- Develop an answerable question using the "Participants Interventions Comparisons Outcomes" (PICO) framework
			Coursera - John Hopkins	1	- Describe the process used to collect and extract data from reports of clinical trials
Intro to Systematic Review	L		University	1.	- Describe methods to critically assess the risk of bias of clinical trials
& Meta-Analysis	Research Mentor	Domain Leader	BIOM 505	1	- Describe and interpret the results of meta-analyses
				1	The course will explain the basic principles for design of randomized clinical trials and how they should be reported. In
				1	the first part of the course, students will be introduced to terminology used in clinical trials and the several common
				1	designs used for clinical trials, such as parallel and cross-over designs. We will also explain some of the mechanics of
			Coursera - John Hopkins	1	clinical trials, like randomization and blinding of treatment. In the second half of the course, we will explain how clinical
Design & Interpretation of			University	1	trials are analyzed and interpreted. Finally, we will review the essential ethical consideration involved in conducting
Clinical Trials	Research Mentor	Domain Leader	BIOM 505	1	experiments on people.

					This course is structured in four modules, each one revolving on a topic related to the physician-patient interaction.
					Each module contains four lessons; on grammar, vocabulary, the dynamics of the spoken interaction, and aspects of
					sociocultural relevance. The video lessons are unlike regular "lectures" in which you are just listening. Instead, you
					should think of them as virtual classes where you are supposed to reflect, complete activities, and even get extra
Spanish for Successful					practice on your own time. The videos are a roadmap that will provide what you need to complete the activities on the
Communication in			Coursera - Rice University		student handout. Each module is followed by a 10-question quiz. It is important that you complete the lessons
Healthcare Settings	Research Mentor	MSCR Director	BIOM 505	1	sequentially, as they build upon each other.
					Learn to apply EEG skill cap to head and gather data
					Learn how to import data into matlab
					Learn how to preprocess data and basic plotting
EEG Analysis & Clinical					Learn from neuromodulation group (training on the job)
Applications	Research Mentor	MSCR Director	BIOM 556	2	Take online EEG workshop
					Understanding the philosophical paradigms guiding qualitative research, study designs that include the use
					of qualitative data collection techniques, how qualitative measures are designed, and how qualitative data are
					coded, analyzed, and presented, including focus groups, interviews, observations, and discourse.
					Design qualitative studies to answer research questions; develop research instruments to collect qualitative
					data; develop coding frameworks for qualitative data; describe analysis methods for qualitative data; write a
					methods section to describe the data collection and analysis activities of a qualitative study.
					Design a qualitative study, including instruments, coding structures, data management and analysis plans.
Measurement Clin Trans					Implement the study, collect, code, manage and analyze the data. Compose methods and results sections for
Res (Qualitative)	Research Mentor	Domain Leader	BIOM 557	1-6	a publishable manuscript.
					Understand how self-reported and other-reported measures are designed and how measure reliability and
					validity are assessed based on classical measurement theory. Understand basic information about devising
					and selecting items, scaling responses, deriving composite scales of items, measuring change, and
					administering surveys and instruments.
					Design and construct surveys and self-reported instruments, including sampling, advanced question selection
					and design, and response format design; OR introduction to exploratory and confirmatory factor analysis as a
					basis for constructing and evaluating instruments, OR other topics as negotiated between student and
					instructor.
					Apply classical measurement theory, generalizability theory, and/or item response theory as bases for
Measurement Clin Trans					advanced quantitative measurement modeling and evaluation of an instrument.
Res (Quantitative)	Research Mentor	Domain Leader	BIOM 557	1-7	
					This course trains researchers in the management of clinical and translational research studies, including
					organizational processes to implement and conduct a funded research study, with financial, personnel, and
Study Impl Proj Mgt Clin Tra	Research Mentor	Domain Leader	BIOM 558	1-6	business management and compliance issues.
					Overview of the basic principles and methods of biostatistics designed specifically for clinical and translational research
Biostatistics	Research Mentor	Domain Leader	BIOM 559	1-6	scientists. Computer software is used to analyze clinical and translational data sets.
					Overview health care economics and patient outcomes research, including public policy issues associated with the
Patient Outcomes Clin Tran					rising cost of health care, patient-reported outcomes, clinical outcomes, and economic outcomes, and evaluation of
Res	Research Mentor	MSCR Director	BIOM 561	1-6	patient outcomes research.
Epidemiology Clin Trans			5.0.1.501	10	Course introduces the student to Epidemiology, the study of causes, distribution and control of disease in populations.
Res	Research Mentor	Domain Leader	BIOM 562	1-6	A methodology to identify risk factors for disease and to determine optimal treatment approaches.
1100		Domain Leduci	510141 302	1.0	This course will train aspiring Principal Investigators to develop and implement translational research studies involving
Conduct Clip Trans Ult					health systems. General knowledge of Health Services Research will be gained along with more specific knowledge of
Conduct Clin Trans Hithcr	Deserve Manten	Demois Leader	DIONA ECO	1.0	the various stakeholders affected by the implementation of research in health systems. Learners should be able to
Sys	Research Mentor	Domain Leader	BIOM 563	1-6	assess the impact on health systems and patients in order to effectively design, implement and manage research.
					Students taking this course will learn about the role of Information Technology [IT] tools and biomedical informatics
Biomed Inform Clin Trans					strategies in optimizing the collection, storage, retrieval, and intra-/inter-institutional sharing of quantitative and
Res	Research Mentor	Domain Leader	BIOM 564	1-6	qualitative data in support of clinical and translational research.
					To further develop the research grant proposal submitted during Grantsmanship 1
					To write an IRB protocol for a human subjects research study
					To attend an IRB 1010 Session and learn the process of submitting a human subjects research protocol to the IRB
					To create a research budget
				1	-

Advanced Epidemiology	course	Domain Leader	BIOM 572		methods to address confounding.
	Instructor Assigned to	1	1	1	association, and approaches to identify and minimize selection and measurement bias, as well as more sophisticated
					An in-depth exploration of epidemiologic principles and methods, including advanced study design, clinical measures of
Health Services	Family Planning Faculty	MSCR Director	BIOM 505	2	government and private agencies with respect to issues of reproductive health.
Family Planning at Indian					Demonstrates knowledge of the methods that can be used to influence national, state, and local policies, and federal
					and necessary interventions that are designed to improve healthcare delivery in a remote, low-resource setting.
					and sustainable interventions that can be implemented in a remote, low-resource setting. Begin implementing feasible
					Understand the challenges of delivering healthcare in a remote, low-resource setting. Assess for feasible, necessary,
Population Council	course	MSCR Director	BIOM 505		the U.S. market and the process for achieving approval.
	Instructor Assigned to				associated with developing a new product in the healthcare market. Gain clarity around the regulatory requirements in
					development—and how they affect each other. Learn frameworks for assessing both the benefits and the risks
					planning through product commercialization. Understand the critical interplay between strategy and
					Gain a comprehensive perspective of the entire drug and medical device development process, from day one strategic
Determinant	Public Health Faculty	MSCR Director	PH 501		discipline, and skills concerning the covered subjects.
-	.				disease within social and health systems; and (c) to challenge students' existing beliefs, knowledge,
					inequities concepts, tools, skills, and approaches; (b) provide a critical examination of health and
					The purpose is to: (a) provide fundamental knowledge and understanding of public health and health
					health disparities problems in New Mexico and the United States.
					theoretical, skills-based, and practical approaches using case examples drawn from major health and
					political-economic, and structural theories of disease and health inequities. It includes historical,
					determinants of health status and health inequities, including genetic, behavioral, cultural, social, and
					"Determinants and Equity in Public Health" focuses on the public health concepts related to
					prevention; health promotion, including individual behavior change and community based intervention; health policy.
					Concepts of public health related to determinants of health; cultural, social and political concepts of disease; disease
Clinical Research	course	MSCR Director	BIOM 505	1	Analyze the data and Presenting of Outcome
Health Economics in	Instructor Assigned to		or		Statistical Methods in QALY Analysis
Uselah France 1. 1			ECON 551		Outcomes and the Economic Effects of not Wearing A Helmet in New Mexico)
			5000 554	1	Developing modeling method for analysis economic part of ongoing research project (Un-Helmeted Motorcycle Crash
					Introduction to Cost/Utility; QALY (Quality Adjusted Life Years)
					A Helmet in New Mexico) Statistical Methods in QALY Analysis. Analyze the data and Presenting of Outcome.
					part of ongoing research project (Un-Helmeted Motorcycle Crash Outcomes and the Economic Effects of not Wearing
					Introduction to Cost/Utility; QALY (Quality Adjusted Life Years) Developing modeling method for analysis economic
CBPR for Health	Public Health Faculty	MSCR Director	PH 556	2 or 3	https://cpr.unm.edu/curriculaclasses/index.html Introduction to Cost / Utility OALY (Vuolity dijuted Life Years) Developing medeling method for applying score mic
Health Policy/Social Equity				3	
Hoalth Doliny/Contal Forsity	Dublic Hoalth Faculty	MSCR Director	PH 554	2	reforms from the Nixon/Kennedy debates to Clinton, Obama and Trump. Students will examine swirling health policy issues through the review of case examples.
					Public Health Service Act, Indian Health Care hnprovement Act, Medicaid and Medicare and iterations of health care
				1	role of government in assuring the health of the nation and landmark legislation such as the Economic Opportunity Act,
					content/goals of policy, implementation processes, people and power. The course content includes an overview of the
					methods for analyzing policies along with innovative health equity tools to examine: the political context,
					This course provides students with an understanding of the social determinants of health equity including economic, political, material and cultural conditions that shape policy structures, health systems and population health. Standard
Scientific Writing	Research Mentor	Domain Leader	BIOM 570	3	Follow "PRISMA" guidelines generated in BIOM 564
Colombifio Multi	December Maritar	Demain Londs -		2	Follow online course, "Writing in the Sciences", and apply knowledge to paper
					Complete draft of scientific manuscript
Trans Res	Research Mentor	Domain Leader	BIOM 567	1-6	Construction and articulation of arguments on bioethical issues.
Biomed ETH Comp Clin					Discussion of research issues that impact health care
					Critical evaluation of arguments concerning contemporary biomedical ethical issues
					and the development of health care public policy
					Attention to tenets of autonomy, beneficence, non-malfeasance and justice as they pertain to human clinical research
					environment
					Investigation of history and development of biomedical ethics in theory and practice within the current healthcare
					Discussion of various aspects of scientific integrity

					To understand the Pharma and Biotechnology landscape. To understand the Proteomics, Genomics, Compound Selection & Pre-clinical Studies related to Drug Discovery.
					To understand the challenges in fragment-based Drug Discovery for Protein Kinases and Key Concepts in Drug Delivery
					To review regulatory Considerations When Filing an Investigational New Drug Application
					To review Industry Considerations with Phase III Clinical Trials
					To understand the processes involved in New Drug Application, Filing, Product Labeling.
					To understand pharmacoeconomics in Drug Development
					To understand the concepts of intellectual property strategy & Bio-Similars
					To understand the concepts of Marketing Pharmaceuticals & Biotechnology Drugs
					To understand the concepts of managed markets and sales strategy
Drug Development Produc	t		Coursera - UC San Diego		To understand the concepts of Strategic Alliances in Academia, Pharma and Biotech
Management	Research Mentor	MSCR Director	BIOM 505	3	To review the benefits of academic industry partnership
lealth Care Quality					This course is designed for future leaders of health care organizations. The course provides Students with the
Management	UNM PADM Faculty	MSCR Director	PADM 590	3	knowledge of how the best Health Care Organizations deliver high quality and cost-effective health care services.
				1	Infectious Disease Epidemiology is a 2-credit course designed to introduce students to concepts, methods, and theorie
					of infectious disease epidemiology. This is a graduate level course intended for Master of Public Health students and
nfectious Epidemiology	Public Health Faculty	Domain Leader	PH 528	2	others who would like to learn about infectious diseases.
1 07	,				Actively participate in OOMN's enforcement support by working on one or more specific enforcement consultations.
					a. Participate in initial strategic planning of a case, including triage information acquisition and creation of Medical
					Access Orders.
					b. Work with a faculty preceptor to analyze the case, develop answers to the field office's questions, and write a
					report. Residents will present their progress at daily informal and weekly formal rounds to the OOMN staff.
					Use data to formulate or analyze a policy, or respond to a query from an external source. Queries typically come from
					health care professionals, workers, and other members of the public via letters or electronic correspondence.
					Produce a formal end-of-rotation work product. The resident will create a structured summary of one topic explored
					during the rotation. Depending on the preferences of the preceptor and resident, this end-of-rotation product may
					take the form of a 20-minute presentation, a poster for presentation at a conference, or a manuscript for submission
					to a peer-reviewed journal.
					Become familiar with occupational safety and health hazards and abatement options in one industry, ideally by
					participating in a field inspection and/or working with OOMN staff on an enforcement consultation. Make
					recommendations for the employer by using a set of tools to assess hazards, disease risks, and control strategies.
					Receive formal orientations from multiple OSHA Directorates and Offices, to acquire insight into their functions and
					roles in OSHA activities.
					Meet with staff from OSHA's Technical Data Center (TDC) to learn how data sets are stored and retrieved from
					domestic and international sources and how these resources allow the TDC to support the OSHA Docket process.
					Participate in multi-disciplinary OSHA teams or meetings to develop safety and health standards, bulletins, web pages
					and/or other documents that advance OSHA's initiatives. This activity may involve meeting or communicating with
					individuals from other government agencies, industry, academia and/or the public. It may also involve attending
					hearings.
					Provide updates at OOMN staff meetings and resident rounds.
					Receive regular didactic instruction from OOMN preceptors about pertinent occupational medicine and nursing topics
DSHA	Research Mentor	MSCR Director	BIOM 505	5	
					Biomedical Responsible Conduct of Research (RCR)
					CITI Training IRB Reviewer Training: Financial Conflicts of Interest (FCOI) Course HSC 104-002 ERA (COI) Course - HSC
					-
RB Membership	Research Mentor	MSCR Director	BIOM 505	1	HRRC Review Membership: Conducting assigned reviews monthly Participating in once a month HRRC2 meetingss
DSHA	Research Mentor	MSCR Director	BIOM 505	5	Provide updates at OOMN staff meetings and resident rounds. Receive regular didactic instruction from OOMN preceptors about pertinent occupational medicine and nur Biomedical Responsible Conduct of Research (RCR)

Domain	Domain Leader	
Research Design	Shiraz Mishra	
Measurement; Quantitative	Kimberly Page	
Measurement; Qualitative	Andrew Sussman	
Biostatistics	Huining Kang &	
DIOSIALISTICS	Shane Pankratz	
Epidemiology	Deirdre Hill	
Biomedical Informatics	Jon Eldredge	
Cultural Competence	Brenda Pereda	
Grantsmanship	Kimberly Page	
Biomedical Ethics and Regulatory	Thomas Byrd	
Compliance		
Scientific Writing	Annette Crisanti	