

1. Assess the disease control needs of a specific underserved population, and the current epidemiologic context, economic development of the country, culture, and health policies.

<a href="#">220.605</a>	P	Doc Sem: Int'l Hlth I	X	Course Work/Exams
<a href="#">220.606</a>	P	Doc Sem: Int'l Hlth II		Seminars
<a href="#">222.642</a>	P	Assess Nutr Status		Written Comprehensive/Qualifying Exam
<a href="#">380.603</a>	R	Demog Methds for PH		Department Preliminary Orals
<a href="#">410.618</a>	P	Integrate Soc & Behav Theory PH		School-wide Preliminary Orals
<a href="#">410.620</a>	P	Prog Plan Hlth Behav Change	X	Doctoral Research & Thesis
				Preparing a scholarly project proposal
			X	Non-thesis Research
				Teaching (TA, Course Lecturer, Course Instructor)
				Final Defense
				Public Thesis Presentation

2. Determine the most important indicators of health status in an underserved population, and the relevant extant data sources to track the progress of a disease control intervention.

<a href="#">220.605</a>	P	Doc Sem: Int'l Hlth I	X	Course Work/Exams
<a href="#">220.606</a>	P	Doc Sem: Int'l Hlth II		Seminars
<a href="#">223.663</a>	R	Inf Dis & Child Survival	X	Written Comprehensive/Qualifying Exam
<a href="#">380.600</a>	P	Princ of Pop Change	X	Department Preliminary Orals
<a href="#">380.758</a>	P	Demog Estimation for Dev Countries	X	School-wide Preliminary Orals
			X	Doctoral Research & Thesis
				Preparing a scholarly project proposal
				Non-thesis Research
				Teaching (TA, Course Lecturer, Course Instructor)
			X	Final Defense
			X	Public Thesis Presentation

**Primary**—introduces knowledge and skills necessary for achieving the competency **R: Reinforcing**—reinforces knowledge and skills necessary for achieving the competency 1

3. Design a cost-effective intervention program that takes into consideration the environment and public health services including nutrition, immunization, and family planning programs.

<a href="#">180.611</a>	P	The Global Environ & PH	X	Course Work/Exams
<a href="#">182.626</a>	R	Water & Sanitation in Trop EH		Seminars
<a href="#">222.642</a>	R	Assess Nutr Status Nutr Epi	X	Written Comprehensive/Qualifying Exam
<a href="#">222.647</a>	R	Nutr Epi		Department Preliminary Orals
<a href="#">222.649</a>	R	Int'l Nutr		School-wide Preliminary Orals
<a href="#">222.655</a>	R	Nutr & Life Stages	X	Doctoral Research & Thesis
<a href="#">223.662</a>	P	Vaccine Dev & App	X	Preparing a scholarly project proposal
<a href="#">223.665</a>	R	Inf, Immunity & Undernutr	X	Non-thesis Research
<a href="#">223.680</a>	P	Global Dis Control Programs & Pol		Teaching (TA, Course Lecturer, Course Instructor)
<a href="#">223.687</a>	P	Vaccine Policy Issues		Final Defense
<a href="#">223.689</a>	P	Bio Basis of Vaccine Dev		Public Thesis Presentation
<a href="#">224.689</a>	P	Hlth Behav Chnge Levels		
<a href="#">410.650</a>	P	Intro to Persuasive Comm		
<a href="#">410.651</a>	R	Hlth Literacy: Chall & Strats		

4. Formulate an epidemiological research question with specific goals and study aims.

<a href="#">222.647</a>	P	Nutr Epi	X	Course Work/Exams
<a href="#">223.664</a>	P	Design & Conduct of Comm Trials		Seminars
<a href="#">223.820</a>	R	Thesis Rsrch: SBI	X	Written Comprehensive/Qualifying Exam
<a href="#">223.840</a>	P	SS/R SBI	X	Department Preliminary Orals
<a href="#">223.861</a>	R	Sem SBI Prog II	X	School-wide Preliminary Orals
			X	Doctoral Research & Thesis
			X	Preparing a scholarly project proposal
				Non-thesis Research
				Teaching (TA, Course Lecturer, Course Instructor)
				Final Defense
				Public Thesis Presentation

5. Select an appropriate research design from among numerous potential randomized and observational designs, so as to ensure the estimation of key parameters that would enable designing health interventions in a population.

<a href="#">223.664</a>	R	Design & Conduct of Comm Trials	X	Course Work/Exams
<a href="#">223.690</a>	R	Dsgn & Analysis of Cluster Trials		Seminars
<a href="#">223.820</a>	R	Thesis Rsrch: Dis Control	X	Written Comprehensive/Qualifying Exam
<a href="#">223.840</a>	P	SS/R Dis Control	X	Department Preliminary Orals
<a href="#">223.861</a>	R	Sem SBI Prog II	X	School-wide Preliminary Orals
<a href="#">340.751</a>	P	Epi Methds 1	X	Doctoral Research & Thesis
<a href="#">340.752</a>	P	Epi Methds 2	X	Preparing a scholarly project proposal
<a href="#">340.753</a>	P	Epi Methds 3	X	Non-thesis Research
				Teaching (TA, Course Lecturer, Course Instructor)
			X	Final Defense
			X	Public Thesis Presentation

6. Develop a research proposal, complete with sample size justification and budget, and implement, manage and monitor the study's progress and data quality.

<a href="#">140.621</a>	P	Stats Methds in PH I	X	Course Work/Exams
<a href="#">140.622</a>	P	Stats Methds in PH II		Seminars
<a href="#">140.623</a>	P	Stats Methds in PH III		Written Comprehensive/Qualifying Exam
<a href="#">223.705</a>	P	Clin Vac Trials & Good Clin Pract	X	Department Preliminary Orals
<a href="#">223.820</a>	R	Thesis Rsrch: Dis Control	X	School-wide Preliminary Orals
<a href="#">223.840</a>	P	SS/R Dis Control	X	Doctoral Research & Thesis
				Preparing a scholarly project proposal
				Non-thesis Research
				Teaching (TA, Course Lecturer, Course Instructor)
				Final Defense
				Public Thesis Presentation

7. Account for cross-cultural differences, local needs and politics of the research population, in creating an informed consent process and handling ethical challenges inherent in working in low resource populations.

<a href="#">223.680</a>	R	Global Dis Control Programs & Pol	X	Course Work/Exams
<a href="#">223.820</a>	R	Thesis Rsrch: Dis Control		Seminars
<a href="#">223.840</a>	P	SS/R Dis Control	X	Written Comprehensive/Qualifying Exam
<a href="#">306.665</a>	R	Rsrch Ethics & Integrity		Department Preliminary Orals
<a href="#">410.618</a>	P	Integrate Soc & Behav Theory PH	X	School-wide Preliminary Orals
<a href="#">410.630</a>	P	Impl Comm-Based Hlth Progs	X	Doctoral Research & Thesis
<a href="#">550.600</a>	P	Responsible Conduct of Rsrch	X	Preparing a scholarly project proposal
<a href="#">550.860</a>	P	Academic & Rsrch Ethics at JHSPH		Non-thesis Research
				Teaching (TA, Course Lecturer, Course Instructor)
				Final Defense
				Public Thesis Presentation

8. Produce an appropriate statistical analysis of collected data and provide a reasoned interpretation of these results.

<a href="#">140.621</a>	P	Stats Methds in PH I	X	Course Work/Exams
<a href="#">140.622</a>	P	Stats Methds in PH II		Seminars
<a href="#">140.623</a>	P	Stats Methds in PH III	X	Written Comprehensive/Qualifying Exam
<a href="#">140.624</a>	P	Stats Methds in PH IV		Department Preliminary Orals
<a href="#">223.820</a>	R	Thesis Rsrch: Human Nutr		School-wide Preliminary Orals
<a href="#">223.840</a>	P	SS/R Dis Control	X	Doctoral Research & Thesis
<a href="#">340.751</a>	R	Epi Methds 1		Preparing a scholarly project proposal
<a href="#">340.752</a>	P	Epi Methds 2	X	Non-thesis Research
<a href="#">340.753</a>	R	Epi Methds 3		Teaching (TA, Course Lecturer, Course Instructor)
			X	Final Defense
			X	Public Thesis Presentation

9. Place the research findings in the context of current knowledge, identify limitations, specify further areas for research and analyze policy implications and public health significance of the findings.

<a href="#">223.687</a>	P	Vaccine Policy Issues	X	Course Work/Exams
<a href="#">223.820</a>	R	Thesis Rsrch: SBI	X	Seminars
<a href="#">223.840</a>	P	Postdoc Rsrch: Dis Control		Written Comprehensive/Qualifying Exam
<a href="#">410.630</a>	P	Impl Comm-Based Hlth Progs		Department Preliminary Orals
				School-wide Preliminary Orals
				Doctoral Research & Thesis
				Preparing a scholarly project proposal
				Non-thesis Research
			X	Teaching (TA, Course Lecturer, Course Instructor)
			X	Final Defense
			X	Public Thesis Presentation

10. Disseminate research findings through oral and poster presentations, writing manuscripts for peer-reviewed literature, and teaching students.

<a href="#">223.680</a>	P	Global Dis Control Programs & Pol	X	Course Work/Exams
<a href="#">223.820</a>	P	Thesis Rsrch: Dis Control	X	Seminars
<a href="#">223.840</a>	R	SS/R Dis Control		Written Comprehensive/Qualifying Exam
<a href="#">223.861</a>	R	Global Dis Epi & Cntrl Prog Doc Sem		Department Preliminary Orals
				School-wide Preliminary Orals
				Doctoral Research & Thesis
			X	Preparing a scholarly project proposal
				Non-thesis Research
			X	Teaching (TA, Course Lecturer, Course Instructor)
				Final Defense
			X	Public Thesis Presentation

11. Prepare applications for IRB approval that take into consideration the ethical issues involved in research in resource poor settings and argue for a specific approach to addressing these issues.

<a href="#">223.820</a>	R	Thesis Rsrch: Dis Control	X	Course Work/Exams
<a href="#">223.840</a>	P	SS/R Dis Control		Seminars
<a href="#">306.665</a>	P	Rsrch Ethics & Integrity		Written Comprehensive/Qualifying Exam
<a href="#">550.600</a>	P	Responsible Conduct of Rsrch	X	Department Preliminary Orals
<a href="#">550.860</a>	R	Academic & Rsrch Ethics at JHSPH	X	School-wide Preliminary Orals
				Doctoral Research & Thesis
			X	Preparing a scholarly project proposal
				Non-thesis Research
				Teaching (TA, Course Lecturer, Course Instructor)
				Final Defense
				Public Thesis Presentation