

The History of Disease CTY Course Syllabus

DAY	SESSION	WHAT Material/Learning Objectives	HOW Implementation/Presentation
Week 1			
Sun	Evening	Introduction, Assessment	Brief talk, Pre-assessment
Mon	Morning	Introduction to Disease Define Health & Disease, General Categories, Overlap, Vocabulary	Lecture & Discussion Students Share Personal Experiences, Word Puzzle
	Afternoon	Cell biology, viruses, prions, nanobacteria	Lecture, Power Point Cell Diagrams
	Evening	Brief History of Disease 1 - 78 Man and Microbes, 1 - 28	Reading Assignment Journal
Tues	Morning	Approach to disease Vaccinations & Autism, Autism as variant of “male intelligence” articles	Lecture Outdoor Discussion
	Afternoon	Disease transmission	Anthrax simulation
	Evening	Finish reading assignment Peripatetic discussion	Is disease good or bad?
Wed	Morning	Advance of society hunter-gatherer to agriculture, Epidemics	Lecture & Discussion of reading Word Search Game
	Afternoon	Ancient Views of Disease Hippocrates, Plato, Galen Designer Bugs	Lecture, “Humours” role play Students design & draw microbes
	Evening	Distant Mirror, 96 - 131	Reading Assignment Journal

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Thur	Morning	Plague, Medieval Medicine, Yersinia	Discussion, Slides, Art, Map the spread across Europe
	Afternoon	Renaissance Paracelsus, Harvey Hooke, Leeuwenhoek, Spallanzani Spontaneous generation vs. life from life	Lecture, Art Slides, Discussion Debate
	Evening	Kennedy, 79 - 119	Reading Assignment Journal
Fri	Morning	18 th and 19 th Centuries Jenner & Smallpox Lister Pasteur & pebrine, anthrax, rabies	Lecture, Discussion Time Line
	Afternoon	Continue 19 th Century Koch – Anthrax, TB, Cholera, Paul Ehrlich	Lecture, Discussion 20 Questions prep for Quiz #1
Week 2			
Sun	Evening	Revisit evolution of society & diseases Sign up for Research topic skits	Jared Diamond DVD, Review for Quiz #1
Mon	Morning	Quiz 1 Research for skits	Assessment Lecture, Discussion, Time Line Library
	Afternoon	Recap of disease & medicine through mid 1880's	Skits on research topic
	Evening	Nightingale handout Brief History, 162 – 173	Reading assignment
Tues	Morning	Cholera & other water borne diseases Significance of natural disasters in spread.	Lecture, discussion of historical and potential epidemics
	Afternoon	Tuberculosis	Lecture, Discuss socioeconomic aspects

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	Evening	Oldstone 3 – 89	Reading assignment
Wed	Morning	Exploration of New World & Beyond Historical significance of introduced diseases Smallpox, Measles	Lecture, Discussion Essay on Effects and Significance of Exploration and Introduced Diseases
	Afternoon	Yellow Fever, Walter Reed	Origins, Pathogenesis, Epidemics, Control
	Evening	Karlen, 111 - 128	Reading Assignment
Thur	Morning	Malaria	TA to present and lead discussion Impromptu Skits – Genetically modified mosquitoes
	Afternoon	Syphilis & Typhus– New plagues in era of exploration	Lecture Debate Tuskegee Project
	Evening	Eleven Blue Men: A Lonely Road (handout)	Reading Assignment
Fri	Morning	Leprosy	Lecture, Video clips of leper colonies Essay on social stigma; ethics of exile
	Afternoon	20th Century - Antibiotics Ehrlich, Domagk, Fleming False sense of security	Outdoor lecture and discussion: change in expectations of medical community, emergence of antibiotic resistance
Week 3			
Sun	Evening	Neurologic and Psychiatric Diseases	Kennedy: Ch 22
Mon	Morning	Quiz #2, Microbiology West Nile virus, Dengue Fever	Gram Stain Lecture, Discussion
	Afternoon	Yellow Fever	

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	Evening	Oldstone, 140 – 157	AIDS Reading Assignment
Tues	Morning	Review Virology AIDS, associated diseases	Lecture, Discussion Map spread of Disease
	Afternoon	Hemorrhagic Fevers – Ebola, Marburg	Lecture, Discussion
	Evening	Select Topics for Final Project	Library Research
Wed	Morning	Polio Explore Vaccinations, pro and con Newsweek article, etc.	Lecture Discussion
	Afternoon	Influenza	Lecture Map the spread of 1914 influenza pandemic
	Evening	Karlen 175 – 194	
Thur	Morning	Student research Alzheimer’s Disease Legionnaire's Disease	Student Presentations Lecture, Case History Discussion
	Afternoon	Alcoholism & Addiction	Lecture, Discussion NY Times News Article
	Evening	Post-assessment Dramatization of History of Disease	Skit rehearsal
Fri	Morning	Recapitulation	Movie “Fantastic Voyage”
	Afternoon		Meet parents