

MOLLOY UNIVERSITY
GRADUATE EDUCATION

EDU 5900 – Understanding Pandemics: Past, Present & Future

- Online Asynchronous
- October 7th - October 18th

Instructor:

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Course Description:

The purpose of this course is to assist teachers in the creation and implementation of internet based, remote learning activities while focusing on pandemics. Participants will explore the history of pandemics, concentrating on how pathogens have impacted the natural environment, human society, and the economy. Discussions and assignments will investigate outbreaks, responses, prevention and laws. Participants will have a better understanding of pandemics and will be provided with multiple lessons, lab activities and information to be used in their classrooms. The final project will be a pandemic lesson adapted to the individual participant's curriculum. All grade level teachers are invited as all of the lessons can be adapted for ages K-12. Activities cover NGSS: MS-LS1

Course Learning Objectives:

1. Identify pathogens and vectors.
2. Compare various outbreaks and economic impacts.
3. Identify and compare pandemics and societal perspectives.
4. Analyze medical implementations and protocol.
5. Compare and analyze prevention, response and recovery.
6. Create an activity or lesson plan including concepts from this course.

Course Grading:

Discussion # 1 Introduction (5pts)
Module # 1 Immunization (10pts)
Module # 2 1918 Spanish Flu (10pts)
Module # 3 Solve the Outbreak! (10pts)
Discussion # 2 Disease Prevention (5pts)
Module # 4 What is a Pandemic? (10pts)
Module # 5 Pandemic History (10pts)
Module # 6 Bioterrorism (10pts)
Module # 7 Zoonotic Disease(10pts)
Module # 8 Final project lesson plan (20pts)