

Online Vaccination Science Resources for COVID-19 Education

Student Instructions



Welcome

You are invited to make use of our “Online Vaccine Science Resources for COVID-19 Education” educational materials. Each module is assembled as a toolkit with 3-5 instructional videos, assessments, discussion questions, assignments, synthesis activities, and guides for dual infographic and virtual poster (science and general public audiences) activities. Our work focuses on the basic science for COVID-19 education and our modules and associated learning outcomes are in a table on the next page of these instructions. We hope that these materials will help you understand how science works, the SARS-CoV-2 virus, how vaccines are generated, and how we should communicate about the science of the virus and vaccines. Our ultimate goal is to reduce vaccine hesitancy and to help our communities ensure vaccine uptake in the face of the ongoing SARS-CoV-2 infection and subsequent evolution.

The modules can be found on our website <https://www.vaccine-science-education.org/>. Your professor has likely provided you with access to the modules via your learning management system. Each of the modules is centered on a YouTube video recording. Depending on your instructor, you may be using them in class or online, synchronously or asynchronously. For each of the recordings, there may be pre-assignments and post-assignments, and other activities such as discussions and assessments.

For each module follow the instructions of your instructor. Each one is slightly different and may require different activities.

We recommend that you find a quiet space in which to watch the videos and use a computer or tablet with stable internet. A transcript for each video is available and YouTube has the capacity to provide a translation in several languages as the videos progress. The videos can be viewed in succession or as standalone videos. Slides are also provided so you can print them out, download them and use them as needed.

This work is supported by the National Science Foundation under Grant No. NSF DUE: 2049163. Any opinions, findings, conclusions, or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

Module 4

Topic	Module	Learning objectives - Having completed the module students will be able to:
COVID-19 Vaccination Communication	4	<ol style="list-style-type: none">1. Explain reasons for vaccine hesitancy.2. Discuss theoretical approaches for understanding vaccine hesitancy.3. Describe how misinformation contributes to vaccine hesitancy.4. Identify strategies for addressing vaccine hesitancy.

This module is focused on helping you understand vaccine hesitancy, the background behind it, how misinformation impacts the problem, and how to address it. The module is tailored towards an understanding of vaccine hesitancy using the framework of the COVID-19 pandemic and the SARS-CoV-2 virus. There are four parts of the module and several learning outcomes associated with the parts. Your instructor may ask you to engage with one or all of the parts depending on your course.

Part 1: Vaccine Hesitancy

You will review the slides, watch the videos and complete the assignment as instructed. Your instructor may ask you to do this before or after you have reviewed the slides and video associated with [Module 4 Part 1 - Vaccine Hesitancy](#).

- There are six multiple-choice and true-false questions. You'll choose your answers. Your instructor may ask you to answer these questions individually or as a group.
- These questions may be administered in class or using the learning management system.

Part 2: Tools for Understanding Vaccine Hesitancy

You will review the slides, watch the videos and complete the assignment as instructed. Your instructor may ask you to do this before or after you have reviewed the slides and video associated with [Module 4 Part 2 - Tools for Understanding Vaccine Hesitancy](#).

- There is one matching question and two multiple-choice questions. You'll choose your answers. Your instructor may ask you to answer these questions individually or as a group.
- These questions may be administered in class or using the learning management system.

Part 3: Misinformation and Vaccine Hesitancy

You will review the slides, watch the videos and complete the assignment as instructed. Your instructor may ask you to do this before or after you have reviewed the slides and video associated with [Module 4 Part 3 - Misinformation and Vaccine Hesitancy](#).

- There is one matching question and two multiple-choice questions. You'll choose your answers. Your instructor may ask you to answer these questions individually or as a group.
- These questions may be administered in class or using the learning management system.

Part 4: Encouraging Vaccine Uptake

You will review the slides, watch the videos and complete the assignment as instructed. Your instructor may ask you to do this before or after you have reviewed the slides and video associated with [Module 4](#)

Part 4 - Encouraging Vaccine Uptake

- There are five multiple-choice and true-false questions. You'll choose your answers. Your instructor may ask you to answer these questions individually or as a group.
- These questions may be administered in class or using the learning management system.