# **NIHL 2024 class description template**

## **Template**

This {enter length of training} {enter format of training} will cover {enter short training description - this can be multiple sentences}.

By the end of this training attendees will be able to:

* {Objective 1}
* {Objective 2}
* {Objective 3}

Insert guidance on class level from one of the three options that should be customized for the tool/skill you are teaching: (1) Attendees are not expected to have any prior knowledge of the product/tool to be successful in this training, (2) Attendees are expected to be familiar with the basic functions of the product/tool to be successful in this training (3) Attendees are expected to be able to independently utilize the product/tool or resource to be successful in this training.

Requirement(s) {remove if not applicable}

* List any technology/software requirements
* List any additional required prior knowledge or coursework

## **Example 1**

Title: PowerPoint Accessibility: The basics in 20 minutes

### Original course description

This short training session introduces attendees to the best practices for making PowerPoint slides accessible. By the end of this training participants will be able to identify four areas of PowerPoint accessibility: alt text, reading order, color, and tables.

### Revised course description using the template

This half hour online training introduces attendees to the best practices for making PowerPoint slides accessible. The final ten minutes of training is optional and will be reserved for questions.

By the end of this training attendees will be able to:

* Identify four areas of PowerPoint accessibility: alt text, reading order, color, and tables

Attendees are not expected to have prior knowledge of accessibility but should be familiar with Microsoft PowerPoint to be successful in this training.

## **Example 2**

Title: Gray Literature: Searching Beyond the Databases

### **Original course description**

Gray literature is not controlled by commercial publishers and usually is not peer reviewed. However, gray literature can help identify useful information outside the published, peer reviewed articles through reports, dissertations, conference abstracts, official documents, research-in-progress, and clinical trials. It might get you information you would never find in traditional sources. This workshop will focus on how to find credible gray literature for your research topic or for part of a systematic review. Learning Objectives: learn how to identify and find gray literature; and learn how to cite gray literature in your proposal or manuscript.

### **Revised course description using the template**

This one-hour online training will focus on how to find credible gray literature for your research topic or for part of a systematic review. Gray literature is not controlled by commercial publishers and usually is not peer reviewed. However, gray literature can help identify useful information outside the published, peer reviewed articles through reports, dissertations, conference abstracts, official documents, research-in-progress, and clinical trials. It might get you information you would never find in traditional sources.

By the end of this training attendees will be able to:

* Define gray literature
* Locate gray literature
* Cite gray literature

Attendees are not expected to have prior knowledge of grey literature to be successful in this training.

## **Example 3**

Title: Basic Single Cell RNA-Seq Analysis & Visualization in Partek Flow

### **Original course description:**

### This class will provide a demonstration of how to identify cell types based on statistics, visualization, and canonical markers. One Peripheral blood mononuclear cells (PBMCs) sample will be used to illustrate a basic Single Cell RNA-Seq analysis pipeline. [Partek Flow](https://www.nihlibrary.nih.gov/resources/tools/partek-flow) is a web-based application for the analysis of next generation sequencing (NGS) including RNA, small RNA, and DNA sequencing. With an easy-to-use graphical interface and the ability to build custom analysis pipelines, Partek Flow enables users to carry out routine NGS data analysis using dozens of popular algorithms without writing codes or running command lines tools.  Attendees will need to have taken the Partek Flow Basic Components class before registering or be comfortable with Partek Flow.

By the end of this class, attendees will be able describe how to access Partek Flow from the NIH Library, discuss the Quality Control (QC) and Quality Assurance (QA) tools, identify pre- and post-alignment tools, describe options for quantification and normalization, and perform pathway analysis and visualization.

### **Revised course description**

This three-hour in person training will provide a demonstration of how to identify cell types based on statistics, visualization, and canonical markers. One Peripheral blood mononuclear cells (PBMCs) sample will be used to illustrate a basic Single Cell RNA-Seq analysis pipeline. Partek Flow is a web-based application for the analysis of next generation sequencing (NGS) including RNA, small RNA, and DNA sequencing. With an easy-to-use graphical interface and the ability to build custom analysis pipelines, Partek Flow enables users to carry out routine NGS data analysis using dozens of popular algorithms without writing codes or running command lines tools.

By the end of this training attendees will be able to:

* Describe how to access Partek Flow from the NIH Library
* Discuss the Quality Control (QC) and Quality Assurance (QA) tools
* Identify pre- and post-alignment tools
* Describe options for quantification and normalization
* Perform pathway analysis and visualization.

Requirements: Attendees will need to have taken the Partek Flow Basic Components class before registering or be comfortable with Partek Flow to be successful in this training.