

## Short Description

The following lecture on jQuery is designed to give individuals with prior experience with JavaScript a solid understanding of the fundamentals of jQuery API.

## Lecture Objectives

After this lecture the students should be able to:

- Understand how to add jQuery to a website
- Understand the syntax of jQuery and how to use selectors
- Be competent in HTML/DOM manipulation with jQuery
- Be competent using jQuery to manipulate CSS
- Be competent in using common utilities methods from jQuery
- Be competent in using jQuery to bind and unbind events
- Understand and apply the concept of event delegation
- Create a custom event type using jQuery
- Understand the basics of jQuery animations and effects
- Understand AJAX and its use cases
- Be competent in using jQuery AJAX features to create a dynamic webpage