

**COURSE NUMBER**

FHWA-NHI-380112

**COURSE TITLE****Highway Safety Improvement Program (HSIP) Project Evaluation**

The Highway Safety Improvement Program (HSIP) Project Evaluation Course provides the necessary fundamentals to perform project evaluation. The course presents a description of safety effectiveness evaluation, an overview of fundamentals needed to perform safety effectiveness evaluation, and information about why safety effectiveness evaluation is important to a Highway Safety Improvement Program. Examples of project evaluation methodologies that account for regression-to-the-mean are discussed and you will be given an opportunity to calculate simple observational before-after studies, observational before-after studies with Empirical Bayes adjustment, and observational before-after studies using comparison groups.

This course can be a stand-alone course for professionals requiring an in-depth knowledge of project evaluation methods or part of a series of courses for professionals performing analysis for the HSIP process. Professionals performing analysis for the HSIP process are encouraged to complete the HSIP Overview and HSIP Project Identification courses prior to enrolling in this course.

**Responsibilities:**

You will be expected to complete six online lessons and two facilitated web conferences. The modules should be taken in order. Self-paced Modules 1 through 5 must be completed prior to web conference Modules 5.1 and 5.2. Module 6 is the final course module and is self-paced. You must complete all six of the online lessons and participate in the two Web conferences to obtain your certificate. By passing the online test at the end of the course, you can also receive Continuing Education Units (CEUs) for the course. All participants will need their own computer with internet connection and a telephone line to participate in the Web conference.

**OUTCOMES**

Upon completion of the course, participants will be able to:

- Identify the role of project evaluation in the HSIP;
- Recognize data needs of each project evaluation methodology;
- Conduct project evaluation using each methodology;
- Describe how project evaluation supports the development of crash modification factors; and
- Explain how project evaluation results can benefit the planning process.

**TARGET AUDIENCE**

The intended audience for this course is planners and engineers who evaluate the safety impact of projects on crash frequency and severity and those conducting technical analysis to support HSIP project and program evaluation.

**TRAINING LEVEL:** Basic

**FEE:** 2016: \$190 Per Person; 2017: \$190 Per Person

**LENGTH:** 5 HOURS (CEU: .5 UNITS)

**CLASS SIZE:** MINIMUM: 15; MAXIMUM: 30

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