



Science of Crash Reduction Factors

Web-conference Training

The Science of Crash Reduction Factors course provides participants with the knowledge and skills needed to critically assess the quality of CRFs. The course covers the concepts underlying the measurement of safety, the development of CRFs/AMFs, and the key statistical issues that affect the development of quality CRFs. It also examines the key methodological issues that affect the development of quality CRFs and the general and methodological issues and statistical thresholds used to recognize quality CRFs.

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

- Explain the concepts of CRFs and the measurement of safety
- List and describe important statistical issues that affect safety research
- Describe and compare three methodologies for evaluating the safety effect of a countermeasure
- Select and apply the most appropriate Crash Reduction Factor (CRF) for a given high-crash location
- Describe the preferred method (the empirical Bayes method) for evaluating the safety effect of an implemented countermeasure

TARGET AUDIENCE: Professionals that are responsible for identifying, recommending, selecting, and installing appropriate countermeasures to help reduce the number of crashes.

TRAINING LEVEL: Basic

LENGTH: 3 hours

CEU: 0.2 Units

FEE: \$90 per participant

CLASS SIZE: Minimum: 10; Maximum: 45

REGISTRATION: To host a session of an NHI course, go to the NHI Web site at <http://www.nhi.fhwa.dot.gov> and select the "Host a Course" link, then complete the "Host a Web Conference Training (WCT) Course" form. After the form is received, an instructor will contact the local coordinator to schedule the session. Requested dates may be shown on the form; however, scheduling is subject to instructor availability. All confirmed sessions are listed on the NHI Web site by date and course number.

NHI Training Information: NHI Scheduler • (703) 235-0534 • E-mail nhitraining@dot.gov

Subject Matter Contact: Karen Yunk • (609) 637-4207 • E-mail karen.yunk@dot.gov

NHI Training Program Manager: Thomas Elliott • (703) 235-0319 • E-mail thomas.elliott@fhwa.dot.gov

If you're interested in this course, you may also want to take advantage of other NHI safety courses.



FHWA-NHI-380088 Improving Safety of Horizontal Curves
FHWA-NHI-380093 Application of Crash Reduction Factors (CRF)



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