

## FHWA-NHI-380119 (March/April 2020)

### Developing Quality Crash Modification Factors

Overview	Lessons	Dates	Time EDT	Format/Lessons	Office Hours *Optional
<b>Week 1 Lesson 0-4</b>	<b>0</b>	<b>March 31</b> Tuesday	1:00 - 2:30	Web-conference (WCT) Lesson 0 Intro	<b>30 min</b>
	<b>1</b>	April 1	Test-Out	Self-paced (WBT) lesson 1	
	<b>2</b>	April 1	(75 min)	Self-paced (WBT) lesson 2	
	<b>3-4</b>	<b>April 2</b> Thursday	1:00 – 3:00	Web-conference (WCT) Lesson 3-4	
<b>Week 2 Lesson 5-8</b>	<b>5</b>	April 3-6	(45 min)	Self-paced (WBT) lesson 5	
	<b>6</b>	<b>April 7</b> Tuesday	1:00 - 3:00	Web-conference (WCT) lesson 6	<b>1 hour</b>
	<b>7</b>	<b>April 9</b> Thursday	1:00 - 3:00	Web-conference (WCT) lesson 7	
<b>Week 3 Lessons 9-12</b>	<b>8</b>	April 10-13	(40 min)	Self-paced (WBT) lesson 8	
	<b>9</b>	April 10-13	(45 min)	Self-paced (WBT) lesson 9	
	<b>10</b>	April 10-13	(45 min)	Self-paced (WBT) lesson 10	
	<b>11</b>	<b>April 14</b> Tuesday	1:00 - 3:00	Web-conference (WCT) lesson 11	
	<b>12</b>	<b>April 16</b> Thursday	1:00 - 3:00	Web-conference (WCT) lesson 12	<b>1 hour</b>
<b>Week 4 Lessons 13-16</b>	<b>13</b>	April 17-20	(50 min)	Self-paced (WBT) lesson 13	
	<b>14</b>	April 17-20	(50 min)	Self-paced (WBT) lesson 14	
	<b>15</b>	<b>April 21</b> Tuesday	1:00 - 3:00	Web-conference (WCT) lesson 15	<b>1 hour</b>
	<b>16</b>	<b>April 23</b> Thursday	1:00 - 3:00	Web-conference (WCT) lesson 16	
<b>One Week</b>	<b>Test</b>	April 24-30	(60 min)	Complete final test	
	<b>Eval.</b>	April 24-30		Complete evaluation	

- ✓ **Total student time (minus office hours): 18 hours**
- ✓ **\*Students may stay longer on March 31, April 7, 16 and 21, for the optional office hours after the WCT for the assigned duration; if you have additional questions or specific projects to be worked one-to-one with instructors.**

## **Course Format**

This course presents material in a series of nine synchronous online lessons, supplemented by eight asynchronous web-based training lessons and several post and pre-lesson assignments. The lessons are as follows:

- WCT Lesson 0: Introduction to the Course
- WBT Lesson 1: Introduction to CMFs and Related Terms
- WBT Lesson 2: Overview of CMF Development and Documentation
- WCT Lesson 3: CMF Development Issues
- WCT Lesson 4: Overview of Methods Used to Develop CMFs
- WBT Lesson 5: Practice Selecting an Appropriate Method
- WCT Lesson 6: Overcoming CMF Development Issues
- WCT Lesson 7: Practical Application of SPFs
- WBT Lesson 8: Emerging Issues in CMF Development
- WBT Lesson 9: Determining Quality of CMFs
- WBT Lesson 10: Proper Documentation of CMFs
- WCT Lesson 11: Practical Application of Before-After Methods
- WCT Lesson 12: Practical Application of Cross-Sectional Methods
- WBT Lesson 13: Automation of Methods
- WBT Lesson 14: Disaggregate Analysis
- WCT Lesson 15: Sample Size Estimation
- WCT Lesson 16: Course Wrap-Up and Evaluation

## **Course Completion**

After you have attended and completed all lessons, completed all pre-or post-lesson assignments, and demonstrated mastery of the course learning outcomes, you will be awarded 1.7 Continuing Education Units (CEUs).