Transportation Engineering Fundamentals

- Human and Vehicular Characteristics
- Data Analysis & Statistics
- Volume Studies
- Speed Studies & Speed Zoning
- Travel Time & Delay Studies
- Parking Studies
- School & Pedestrian Zones
- Geometric Design Fundamentals
- Intersection Design & Control
- Traffic Engineering Administration & Legal Responsibilities
- Roundabouts
- Pedestrian & Bicyclist Considerations
- Access Management
- Introduction to Traffic Control Devices
- Roadway & Intersection Capacities
- Traffic Signals
- Sight Distance
- Passing Zone Studies
- Crash Analysis
- Retroreflectivity
- Micromobility

OBJECTIVE
This is a great introductory class designed for all those who work in the transportation field including engineers, technicians, educators, and enforcement personnel. The course provides a comprehensive coverage of the basic fundamentals to analyze and solve urban and rural transportation challenges. Through presentations, discussion and online exercises, participants become familiar with the basic concepts and current topics for both urban and rural transportation challenges.

COURSE LOCATION
Webinar format using Zoom.

INSTRUCTIONAL STAFF
Instructors are professionals practicing in Oregon.

SCHEDULE
This six-week course will meet on Tuesdays starting November 3 through December 8, 2020. Instruction runs from 8:30am – 12:00pm. A detailed agenda listing subsequent start and end times will be distributed the first day.

ENROLLMENT
Return the attached application form and fee to The Kiewit Center at least one week prior to the class. Zoom credentials will be provided after registration. If a registration must be canceled, a full refund can be made only if a notice of withdrawal is received at least one week prior to the course starting date. A fee of one-half of the course tuition will be charged for cancellations after that period. Substitute attendees are encouraged.

Tuesdays
Nov 3 - Dec 8, 2020
Webinar via Zoom

$200
20 PDH

Register Online
cce.oregonstate.edu/traffic-safety-workshops

This publication will be made available in accessible formats upon request. Please call 541-737-4273 for information.
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The Kiewit Center for Infrastructure & Transportation at OSU
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Oregon Traffic Safety Division
Oregon Department of Transportation

Transportation Engineering Fundamentals — $200

Nov 3 - Dec 8, 2020

The Kiewit Center for Infrastructure & Transportation
101 Kearney Hall
Corvallis, OR 97331
541-737-4273

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One application per person, copy if necessary. Make checks payable to: The Kiewit Center for Infrastructure & Transportation at OSU.

Mail to: The Kiewit Center - OSU, Traffic Safety Workshops, 101 Kearney Hall, Corvallis, OR 97331
Email: emily.phillips@oregonstate.edu