



Improving Pavement Durability & Extending Service Life Expectancy

COURSE OVERVIEW

An asphalt pavement deteriorates throughout its service life due to the combined exposure to the damaging effects of climate and traffic. Recently, there have been a number of significant advances in asphalt materials which increase the durability of an asphalt pavement, thereby, extending its service life.

This course will provide current and comprehensive information on developing and maintaining durable pavements to professionals in the roadway industry. Topics and tools related to materials selection, mixture design, thickness design, and life cycle cost analysis will be covered and presented at a level that the knowledge gained can be immediately utilized by the attendee.

WHO SHOULD ATTEND?

This course is designed for engineers who are working for consultants, contractors, laboratories and agencies that deal with pavement design and construction.

LEARNING OUTCOMES

- Identify common pavement surface distresses.
- Identify the causes and potential treatments for these pavement distresses.
- Design an asphalt mixture using the most current state-of-the-art methods.
- Design durable asphalt mixtures.
- Determine the required thickness of an asphalt pavement structure using PAVExpress and AASHTOWare Pavement ME Design softwares.
- Understand and select different preservation strategies.
- Understand and use the RoadResource.org toolbox for preservation strategies.
- Identify the fundamentals of Life Cycle Cost Analysis (LCCA).
- Evaluate return on investment when deciding between materials for an asphalt mixture design and deciding between preservation alternatives.

REGISTRATION

29-30 March 2020

Texas A&M University Engineering Building
Education City, Doha, Qatar

Registration fees: \$1,250 Registration is open until 19 March 2020



REGISTER NOW

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COURSE INSTRUCTORS



Dr. Eyad Masad is a professor at Texas A&M University. Dr. Masad has been a consultant on major projects in the United States and in the Middle East. Specifically, he has significant experience in the properties and performance of pavements in the State of Qatar.



Dr. Walaa Mogawer is a professor in the University of Massachusetts Dartmouth. He has over 30 years of research and practical experience in the design of different types of asphalt mixtures, asphalt binder and mixture characterization, pavement preservation and management.

FOR MORE INFORMATION ABOUT

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AT QATAR CONTINUING
AND PROFESSIONAL
EDUCATION

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