ITS PCB University Workshop



September 23, 2016

Online Materials that can be Utilized by Universities for FREE



What is CITE?

- Consortium for ITS Training and Education
- A unique consortium of over 100 university and industry partners
- Provide interactive online advanced transportation courses
- Types of offerings
 - o Certificate Programs
 - Independent Study Courses
 - o Blended Courses
 - o Full Semester Courses





CITE'S AUDIENCE

- University/College Students
 - Courses taken from University Partners
 - College credit given for completion through partners
- Industry professionals
 - Courses taken directly through CITE
 - CEU's given for completion





CITE & ITS PCB PARTNERSHIP

- Development of Online Courses and Offered through CITE
- Offering all Courses for FREE to public agencies *
- Updating Courses to New Format
- Joint Marketing of online courses

Connected Vehicle 101 Offered for FREE to everyone





NEWEST COURSES AVAILABLE

- Archived Data for Planning, Operations and Safety
- Connected Vehicles 101
- Cyber Security
- Performance Measurement
 - Intro to Operations Performance Measures and Management
 - Nuts and Bolts of Operations Performance Measurement
 - Operations Performance Management: Real-time Operations to Long Term Planning
- Travel Time (Vehicle Probe Data)





OTHER COURSES AVAILABLE

- Fundamentals of Database Management Systems
- Improving Highway Safety with ITS
- Introduction to Systems Engineering
- Introduction to the National ITS Architecture
- ITS Applications in transit Management and Operations
- Managing High Technology Projects in Transportation
- Network Design and Deployment Considerations for ITS Managers and Professionals
- Overview of Operations
- Principles and Tools for Road Weather Management
- Telecommunications and Networking Fundamentals
- Tools of Advanced Transportation Management Systems
- Traffic Signal Timing





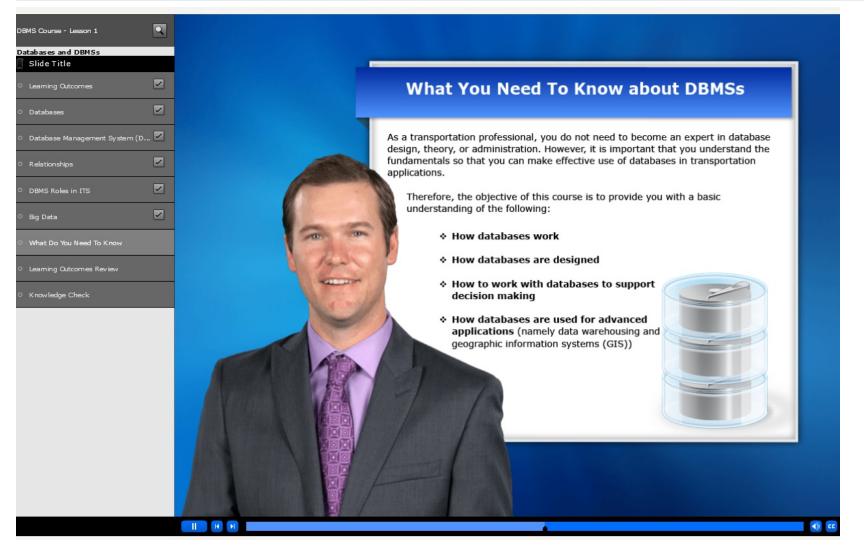
Certificate Programs

- Students Take (3) core courses & (3) electives
- One year time frame to complete
- (5) Certificate Programs Available
 - o ITS Project Management
 - o ITS Systems
 - Performance Measurement
 - Road Weather Management
 - Traffic Engineering and Operations



SAMPLE COURSE PAGE



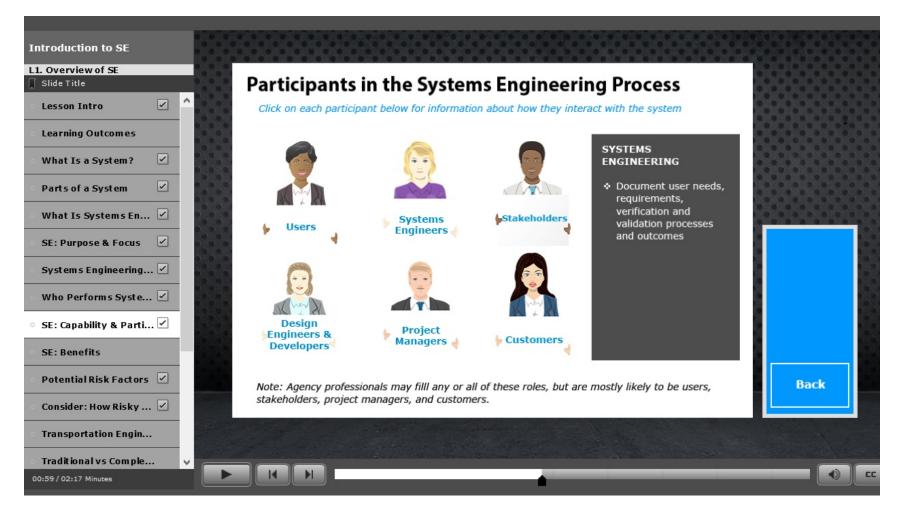


Credit: CITE - www.citeconsortium.org



SAMPLE COURSE PAGE





Credit: CITE - www.citeconsortium.org



SAMPLE KNOWLEDGE CHECK



DBMS Course - Lesson 2	٩		
How Databases Work		Knowledge Check	on 1 of 3
 Why Use a Database? What Is a Relational Database? 		Match each term on the left with the corresponding definition on the right.	
 Relational Database Structure Relational Database Tables 		Select your answer and then click Submit Answer Terms Definitions	
Relating Tables with Keys Normalizing Databases		 Table Table Single field that uniquely identifies each and every records Records Columns of a table 	/ record
Relational Database Tutorial Learning Outcomes Review		 Fields Primary Key 3. When keys are used to relate two tables 4. The core structure of a relational database 	
 Knowledge Check Workshop #1 		Join 5. Rows of a table Subm	



10



BENEFIT of CITE to UNIVERSITIES

- Universities have FREE access to ALL of CITE's courses
 - Need to become a CITE Partner
 - That's FREE too
- Materials used to supplement existing courses





HOW TO BECOME A CITE PARTNER

- 1. Visit CITE website www.citeconsortium.org
- 2. Click on "Partners: Become a Partner"
- 3. Download and complete forms
- 4. E-mail forms to Denise Twisdale mztwiz@umd.edu





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13