

Transportation Networks and Smart Mobility: Methods and Solutions August 3-7, 2020

	Monday	Tuesday	Wednesday	Thursday	Friday
Lecture 1 9:30 – 11:00	Introduction, Traffic Performance I: Modeling and Simulation Approaches	Demand and User Behavior I: Overview of Discrete Choice Analysis	Traffic Assignment III: Testing Optimization Algorithms	Real-time Systems: Evaluations of Traffic Predictions	Freight Models I: Economic Activity Models
Lecture 2 11:15 – 12:45	Traffic Performance II: Microscopic and Mesoscopic Traffic Simulation	Demand and User Behavior II: Route and Time-of-Travel Choice	Traffic Assignment IV: Pricing and Travel Time Reliability	Public Transportation Models I: Framework and Low Frequency Services	Freight Models II: Logistics Choices
Lecture 3 1:45 – 3:15	Traffic Performance III: Static and Dynamic Network Supply Models	Traffic Assignment I: Framework for Demand/Supply Interactions	Calibration and Validation I: Estimation of Origin to Destination Flows from Counts	Public Transportation Models II: High Frequency Services	Transportation Systems Planning and Design: Modeling and Evaluation
Lecture 4 3:30 – 5:00	Case Study I: Future Mobility Sensing and SimMobility	Traffic Assignment II: Equilibrium and Day-to-Day Dynamics	Calibration and Validation II: Estimation of Behavioral Models, Simultaneous Calibration	Case Study II: High-Speed Rail	Conclusion; Questions & Answers
	<i>WELCOME RECEPTION</i> 5:15 PM			<i>DINNER</i> 6:30 PM	