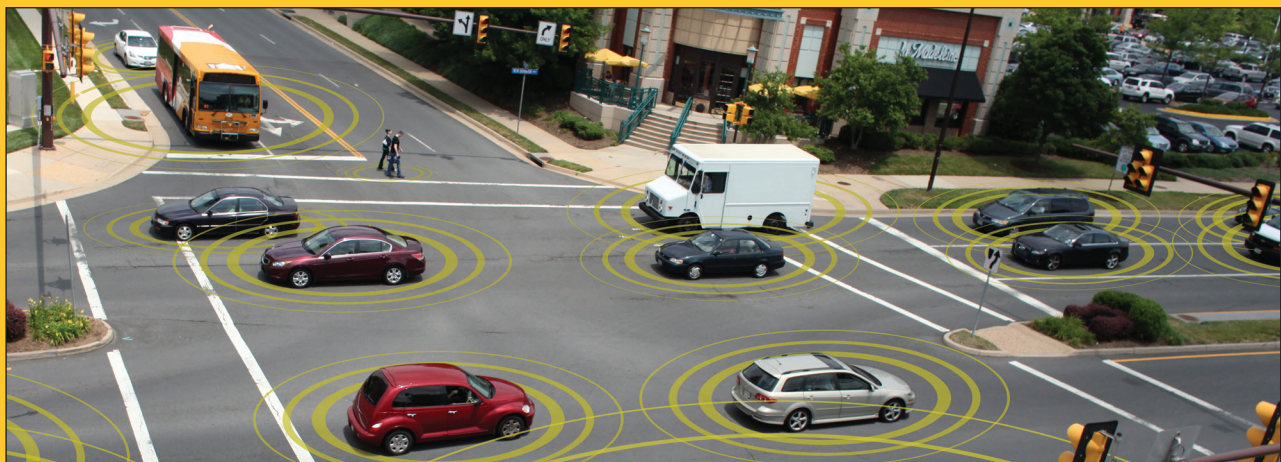


## TL 757: INTELLIGENT TRANSPORTATION SOLUTIONS (3 credits)

This online transportation and logistics course will introduce graduate students to transportation solutions that leverage technology. Known as intelligent transportation solutions (ITS), information technologies help to move people and freight more safely, securely, and efficiently across the multimodal transportation network. Traditional technological approaches such as advanced traveler information and active traffic management are now part of a broader landscape that features deployments of connected, automated, and autonomous vehicle technologies with limitless possibilities. Students will gain an understanding of the most common intelligent transportation solutions, their benefits and shortcomings. They will learn how emerging technologies will transform and benefit the transportation system. They will develop the knowledge to evaluate impacts of policy and plan for the practical deployment of technology solutions in the real world.



### Course Instructor:



Raj Bridgelall

Raj Bridgelall, an assistant professor of transportation and logistics in the College of Business and director of the Center for Surface Mobility Applications & Real-time Simulation environments (SMARTSe) within the Upper Great Plains Transportation Institute at NDSU. Bridgelall has published more than 65 peer-reviewed articles and has more than 140 US patents issued or pending. His research and teaching focuses on intelligent transportation systems, smart cities, connected vehicles, autonomous vehicles, technical management, wireless product innovation, and big data analytics.