

Alexander M. Hainen

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EDUCATION

Ph.D. Department of Civil Engineering, Purdue University, May 2014
M.S.C.E. Department of Civil Engineering, Purdue University, May 2011.
B.S.C.E. Department of Civil Engineering, Michigan Technological University, May 2009.

PROFESSIONAL REGISTRATION

Engineer in Training, Michigan.

PROFESSIONAL EXPERIENCE

August 2020 - Current Associate Professor,
University of Alabama, Tuscaloosa, AL
August 2014 - August 2020 Assistant Professor,
University of Alabama, Tuscaloosa, AL
August 2010 - August 2014 Research Assistant,
Purdue University, West Lafayette, IN.
May 2012 - May 2013 Dwight David Eisenhower Transportation Fellow,
Purdue University, West Lafayette, IN.
August 2011 - December 2011 Teaching Assistant for CE361, Transportation Engineering,
Purdue University, West Lafayette, IN
August 2009 - December 2010 Teaching Assistant for CE332, Materials Engineering II,
Purdue University, West Lafayette, IN
August 2009 - August 2010 Ross Fellow
Purdue University, West Lafayette, IN.
September 2008 - May 2009 Teaching Assistant for CE3332 Construction Engineering,
Michigan Technological University, Houghton, MI.
May 2008 - August 2009 Transportation and Environmental Process Engineering Intern,
Fleis & VandenBrink Engineering, Inc., Grand Rapids, MI.
May 2007 - September 2007 Geotechnical and Materials Engineering Intern,
Otwell Mawby, P.C., Traverse City, MI.

AWARDS AND HONORS

Donald H. McLean Civil Engineering Professor of the Year, 2023
Institute of Transportation Engineers' Transportation Safety Award, 2022
Educator of the Year Award, Engineering Council of Birmingham, 2020
Faculty Excellence in Research & Innovation Emerging Scholar Award, 2019
Donald H. McLean Civil Engineering Professor of the Year, 2019
Donald H. McLean Civil Engineering Professor of the Year, 2018
Donald H. McLean Civil Engineering Professor of the Year, 2017
Civil Engineering Assistant Professor of the Year Award, 2016
College of Engineering Outstanding Grad Student Research Award, 2014
Eldon J. Yoder Memorial Award for Outstanding Graduate Student, 2013
TRB Traffic Signal System Committee Best Paper Award (out of 85 papers), 2013
U.S. Department of Transportation Dwight David Eisenhower Transportation Fellowship, 2012
National Academy of Sciences ACRP Graduate Research Award on Public-Sector Aviation, 2011

BIOGRAPHY

Dr. Alex Hainen is an associate professor in the Department of Civil, Construction, and Environmental Engineering (CCEE) in the College of Engineering (CoE) at The University of Alabama (UA). He received his BSCE from Michigan Technological University and his MSCE and PhD from Purdue University. At UA, Dr. Hainen is affiliated with the Alabama Transportation Institute (ATI), the Center for Advanced Vehicle Technology (CAVT), the Center for Transportation Operations, Planning, and Safety (CTOPS), and the Center for Advanced Public Safety (CAPS). As an academic, Dr. Hainen has been heavily involved with planning, designing, deploying, and publishing in the areas of traffic engineering, intelligent transportation systems (ITS), transportation systems management and operation (TSMO), and connected and automated vehicles (CAVs). He has been involved with more than 45 transportation research and deployment projects representing nearly \$42 million of funded research efforts. While at The University of Alabama, Dr. Hainen has been the principal investigator on more than \$30 million of these projects and deployments (including two Federal Highway Administration Advanced Traffic Congestion Management Technology Deployment efforts in partnership with the Alabama Department of Transportation). All of this work has been funded by a variety of agencies including state departments of transportation, the United States Department of Transportation, the Federal Highway Administration, the National Science Foundation, the United States Department of Energy, the Federal Transit Agency, the United States Department of Defense through the United States Army's Engineering Research and Development Center (ERDC), and the AAA foundation. Dr. Hainen has worked all the way from raw sensors (cameras, radars, magnetometers, LiDARs, etc.), through raw data (high-resolution data, point cloud data, sensor feed data), into processed data (discrete records, operations data, safety and crash data), and ultimately into the interface or dashboard presentation to transportation engineers. He has seen the full life of ITS products and been involved from the very conception through the full and successful nation-wide implementations.

Dr. Hainen's experience continues into a strong academic background of working with colleagues, researchers, and partners around the nation and world. He has had international ITS collaborations in Europe and Asia, and has an extensive network of colleagues across the US. He has been involved with Pooled Fund Studies, National Cooperative Highway Research Program (NCHRP) projects and panels, Transportation Research Board (TRB) committees and subcommittees, and has worked with standards development in the traffic signal and ITS area. Dr. Hainen has worked with many states, cities, manufacturers, vendors, universities, and colleagues with his projects. Through two Transportation Pooled Fund Projects, TPF-5(258) "Traffic Signal Systems Operations and Management" and TPF-5(377) "Enhanced Traffic Signal Performance Measures," he has worked with state DOTs from Alabama, California, Connecticut, Georgia, Indiana, Kansas, Michigan, Minnesota, Mississippi, New Hampshire, North Carolina, Ohio, Pennsylvania, Tennessee, Texas, Utah, and Wisconsin. He has been invited to talk to the 50 state traffic engineers at the American Association of State Highway and Transportation Officials (AASHTO) Committee on Traffic Engineering (COTE) and Committee on Transportation System Operations (CTSO). He works closely with nearly all traffic signal ITS manufacturers and has many deployments of the latest and most advanced traffic systems. Currently, Dr. Hainen is actively working with the Alabama Department of Transportation to collect data and manage operations at 460 signalized intersections across the state of Alabama.

Dr. Hainen's work has led to more than 40 peer reviewed journal articles published in the Transportation Research Record, Institute of Transportation Engineers Learned Journal of Transportation, Journal of Transportation Engineering, Part A: Systems, Journal of Transportation Research Forum, Advances in Transportation Studies, Accident Analysis and Prevention, Advances in Civil Engineering, Journal of Performance of Constructed Facilities, Journal of Transport Geography, Journal of Advanced Transportation, Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, and other journals. He has also had 39 conference articles and 35 invited talks. He is an associate editor for the Journal of Modern Mobility Systems, and has served as a reviewer for the Journal of Transportation Engineering, Transportation Research Board, IEEE Intelligent Transportation Systems, and Transportation Research Part A: Policy and Practice. He has advised 5 PhD students, 10 MSCE/MSME students, and served on 10 other PhD student dissertation committees.



University of Alabama, Alabama Department of Transportation, City of Tuscaloosa, Temple Inc., Arcadis

REFEREED JOURNAL PUBLICATIONS

1. Hainen, A.M., J.S. Wasson, S.M.L. Hubbard, S.M. Remias, G.D. Farnsworth, and D.M. Bullock, "Estimating Route Choice and Travel Time Reliability with Field Observations of Bluetooth Probe Vehicles," *Transportation Research Record: Journal of the Transportation Research Board*, No. 2256, Transportation Research Board of the National Academies, Washington, D.C., pp. 43-50, 2011. DOI: [10.3141/2256-06](https://doi.org/10.3141/2256-06).
2. Remias, S. S.M.L. Hubbard, E. Hulme, A. Hainen, G. Farnsworth, and D.M. Bullock, "Bias, Repeatability, and Variability of 1 Traffic Sign Retroreflectivity," *ITE Learned Journal of Transportation*, Vol. 1, Issue 1, March 2011. [ITE](https://doi.org/10.3141/2259-02)
3. Wasson, J.S, G.W. Boruff, A.M. Hainen, S.M. Remias, E.A. Hulme, G.Farnsworth, and D.M. Bullock, "Evaluation of Spatial and Temporal Speed Limit Compliance in Highway Workzones," *Transportation Research Record: Journal of the Transportation Research Board*, No. 2258, Transportation Research Board of the National Academies, Washington, D.C.,pp.1-15 2011. DOI: [10.3141/2258-01](https://doi.org/10.3141/2258-01).
4. Day, C.M., T.M. Brennan, A.M. Hainen, S.M. Remias, H. Premachandra, J.R. Sturdevant, G. Richards, J.S. Wasson, and D.M. Bullock, "Reliability, Flexibility, and Environmental Impact of Alternative Objective Functions for Arterial Offset Optimization ," *Transportation Research Record: Journal of the Transportation Research Board*, No. 2259, Transportation Research Board of the National Academies, Washington, D.C., pp. 8–22, 2011. DOI: [10.3141/2259-02](https://doi.org/10.3141/2259-02).
5. Grossman, J.A., A.M. Hainen, S.M. Remias, and D.M. Bullock. "Evaluation of Thermal Image Video Sensors for Stop Bar Detection at Signalized Intersections," *Transportation Research Record: Journal of the Transportation Research Board*, No. 2308, Transportation Research Board of the National Academies, Washington, D.C., pp. 184-198, 2012. DOI: [10.3141/2308-20](https://doi.org/10.3141/2308-20).
6. Day, C.M., J.M. Ernst, T.M. Brennan, C. Chou, A.M. Hainen, S.M. Remias, A. Nichols, B.D. Griggs, and D.M. Bullock. "Performance Measures for Adaptive Signal Control: Case Study of Central System-in-the-Loop Simulation," *Transportation Research Record: Journal of the Transportation Research Board*, No. 2311, Transportation Research Board of the National Academies, Washington, D.C., pp. 1-15, 2012. DOI: [10.3141/2311-01](https://doi.org/10.3141/2311-01).
7. Brennan, T.M., B.D. Griggs, G. Grimmer, A.M. Hainen, C.M. Day, J.R. Sturdevant, and D.M. Bullock. "Defining Design Space for Parameters of Traffic Signal Timing," *Transportation Research Record: Journal of the Transportation Research Board of the National Academies*, No. 2311, Washington, D.C., pp. 85-98, 2012. DOI: [10.3141/2311-08](https://doi.org/10.3141/2311-08).
8. Mitkey, S.R, T.M. Brennan, S.M. Remias, A.D. Davis, G.M. Grimmer, A.M. Hainen, R. Morris, P. Michael and D.M. Bullock, "Comparison of the Retroreflective Durability Between Rumble Stripes and Painted Lines," *ITE Learned Journal of Transportation*, Vol. 3, Issue 1, July 2012.
9. Hainen, A.M., E.M. Rivera-Hernandez, C.M. Day, M. McBride, G. M. Grimmer, A.J. Loehr, and D.M. Bullock, "Roundabout Critical Headway Measurement based on Hi-Resolution Event-Based Data from Wireless Magnetometers," *Transportation Research Record: Journal of the Transportation Research Board*, No. 2389, Transportation Research Board of the National Academies, Washington, D.C., pp. 51-64, 2013. DOI: [10.3141/2389-06](https://doi.org/10.3141/2389-06).
10. Remias, S.M., A.M. Hainen, C.M. Day, T.M. Brennan, H. Li, E. Rivera-Hernandez, J. Sturdevant, S.E. Young, and D.M. Bullock, "Performance Characterization of Arterial Traffic Flow with Probe Vehicle Data," *Transportation Research Record: Journal of the Transportation Research Board*, No. 2380, Transportation Research Board of the National Academies, Washington, D.C., pp. 10-21, 2013. DOI: [10.3141/2380-02](https://doi.org/10.3141/2380-02).

11. Li, H., A.M. Hainen, C.M. Day, G. Grimmer, J. Sturdevant, and D.M. Bullock, “Longitudinal Performance Measures for Assessing Agency-Wide Signal Management Objectives,” Transportation Research Record: Journal of the Transportation Research Board, No. 2355, Transportation Research Board of the National Academies, Washington, D.C., pp. 20-30, 2013. DOI: [10.3141/2355-03](https://doi.org/10.3141/2355-03).
12. Day, C.M., J. Sturdevant, H. Li, A. Stevens, A.M. Hainen, S.M. Remias and D.M. Bullock, “Revisiting the Cycle Length-Lost Time Question With Critical Lane Analysis,” Transportation Research Record: Journal of the Transportation Research Board, No. 2355, Transportation Research Board of the National Academies, Washington, D.C., pp. 1-9, 2013. DOI: [10.3141/2355-01](https://doi.org/10.3141/2355-01) (**Received TRB AHB25 Committee 2013 Best Paper Award out of 85 papers**).
13. Remias, S.M., A.M. Hainen, and D.M. Bullock, “Leveraging Probe Data to Assess Security Checkpoint Wait Times,” Transportation Research Record: Journal of the Transportation Research Board, No. 2325, Transportation Research Board of the National Academies, Washington, D.C., pp. 63-75, 2013. DOI: [10.3141/2325-07](https://doi.org/10.3141/2325-07).
14. Hainen, A.M., S.M. Remias, D.M. Bullock, F.L. Mannering. “A hazard-based analysis of airport security transit times”. Journal of Air Transport Management, Volume 32, pp. 32-38, September 2013. DOI: [10.1016/j.jairtraman.2013.06.002](https://doi.org/10.1016/j.jairtraman.2013.06.002).

--- The following papers were published during my first five tenure-track years at UA:---

15. Hainen, Alexander, M., A.L. Stevens, R.S. Freije, C.M. Day, J.R. Sturdevant and D.M. Bullock, “High-Resolution Event-Based Data at Diamond Interchanges: Performance Measures and Optimization of Ring Displacement,” Transportation Research Record: Journal of the Transportation Research Board, No. 2439, Transportation Research Board of the National Academies, Washington, D.C., pp. 12-26, October 2014. DOI: [10.3141/2439-02](https://doi.org/10.3141/2439-02).
16. Freije, Richard, S., A.M. Hainen, A.L. Stevens, H. Li, W.B. Smith, H.T. Summers, C.M. Day, J.R. Sturdevant and D.M. Bullock, “Graphical Performance Measures for Practitioners to Triage Split Failure Trouble Calls,” Transportation Research Record: Journal of the Transportation Research Board, No. 2439, Transportation Research Board of the National Academies, Washington, D.C., pp. 27-40, October 2014. DOI: [10.3141/2439-03](https://doi.org/10.3141/2439-03).
17. Lavrenz, Steven, M., A.M. Hainen, A.L. Stevens, C.M. Day, H. Li, R.S. Freije, W.B. Smith, H.T. Summers, J.R. Sturdevant and D.M. Bullock, “Improving Intersection Behavior through Delay-Based Left Turn Phase Initiation,” Transportation Research Record: Journal of the Transportation Research Board, No. 2439, Transportation Research Board of the National Academies, Washington, D.C., pp. 41-52, October 2014. DOI: [10.3141/2439-04](https://doi.org/10.3141/2439-04).
18. Hainen, Alexander, M., H. Li, A.L. Stevens, C.M. Day, J.R. Sturdevant and D.M. Bullock, “Sequence Optimization at Signalized Diamond Interchanges Using High-Resolution Event-Based Data,” Transportation Research Record: Journal of the Transportation Research Board, No. 2487, Transportation Research Board of the National Academies, Washington, D.C., pp 15-30, October 2015. DOI: [10.3141/2487-02](https://doi.org/10.3141/2487-02).
19. Hainen, Alexander, M., A.L. Stevens, C.M. Day, H. Li, J. Mackey, M. Luker, M. Taylor, J.R. Sturdevant and D.M. Bullock, “Performance Measures for Optimizing Diverging Interchanges and Outcome Assessment with Drone Video,” Transportation Research Record: Journal of Transportation Research Board, No. 2487, Transportation Research Board of the National Academies, Washington, D.C., pp. 31-43, October 2015. DOI: [10.3141/2487-03](https://doi.org/10.3141/2487-03).
20. Lavrenz, Steven M., C.M. Day, A.M. Hainen, W.B. Smith, A.L. Stevens, H. Li and D.M. Bullock, “Use of Maximum Vehicle Delay to Characterize Signalized Intersection Performance,”

Transportation Research Record: Journal of the Transportation Research Board, No. 2488, Transportation Research Board, Washington, D.C., 2015, pp. 41–52. DOI: [10.3141/2488-05](https://doi.org/10.3141/2488-05).

21. Hainen, A.M. “Investigating mixed logit analysis of critical headways at a single lane instrumented roundabout”. Journal of Transportation Research Forum; 55(3) Fall 2016. DOI: <http://dx.doi.org/10.5399/osu/jtrf.55.3.4391>
22. Lidbe, A.D., Hainen, A.M., Jones, S.L. “Analytical Techniques for Evaluating the Implementation of Adaptive Traffic Signal Control Systems”. Journal of Transportation Engineering, Part A: Systems, 2017; 143(5). DOI: [10.1061/JTEPBS.0000034](https://doi.org/10.1061/JTEPBS.0000034).
23. Lidbe, A.D., Hainen, A.M., Jones, S.L. “Comparative study of simulated annealing, tabu search, and the genetic algorithm for calibration of the microsimulation model”. SIMULATION , 2017; 93(50): 21-33. DOI: [10.1177/0037549716683028](https://doi.org/10.1177/0037549716683028).
24. Lidbe, A.D., Tedla, E.G., Hainen, A.M., Sullivan, A., Jones, S.L. “Comparative assessment of arterial operations under conventional time-of-day and adaptive traffic signal control”. Advances in Transportation Studies, 2017; 2017(XLI). DOI [10.4399/97888255035241](https://doi.org/10.4399/97888255035241).
25. Song, S., Lyu, Q., Marks, E., and Hainen, A. (2018). “Steel Manufacturing Incident Analysis and Prediction.” Journal of Safety, Health and Environmental Research, ASSE, 2018; Volume 14, Issue 1. https://www.assp.org/publications/journal-of-safety-health-and-environmental-research/docs/default-source/jshe/volume_14_issue_1_2018
26. Adanu E.K., A. M. Hainen, S. L. Jones, Jr. “Latent class analysis of factors that influence weekday and weekend single-vehicle crash severities”. Accident Analysis and Prevention. 2018 Apr;113:187-192. <https://doi.org/10.1016/j.aap.2018.01.035>
27. Lidbe, A.D., Tedla, E.G., Hainen, A.M., Jones, S.L. “Feasibility Assessment for Implementing Adaptive Traffic Signal Control: A Case Study”. Journal of Transportation Engineering, Part A: Systems. Accepted July 2018. <https://doi.org/10.1061/JTEPBS.0000208>
28. Talukder, M.A.S., Hainen, A.M., Remias, S.M., Bullock, D.M. “Route-based mobility performance metrics using probe vehicle travel times”. Advances in Transportation Studies: Section B 46 (2018). <http://www.atsinternationaljournal.com/index.php/2018-issues/xlvi-november-2018/1010-route-based-mobility-performance-metrics-using-probe-vehicle-travel-times>
29. Crawford, P.S., M.A. Al-Zarrad, A.J. Graettinger, A.M. Hainen, W.E. Back, and L. Powell, “Rapid Disaster Data Dissemination and Vulnerability Assessment through Synthesis of a Web-Based Extreme Event Viewer and Deep Learning,” Advances in Civil Engineering, Vol. 2018, Article ID 7258156, 13 pages, 2018. <https://doi.org/10.1155/2018/7258156>.
30. Hainen, A. M., J.K. Lindly, K.B. Harbin, D.C. Dye. “Duration Analysis of Emergency Shutdown Incidents Regarding Hazardous Liquid Pipelines”. Journal of Performance of Constructed Facilities, 34(3). In Press, August 24, 2019. [https://doi.org/10.1061/\(ASCE\)CF.1943-5509.0001364](https://doi.org/10.1061/(ASCE)CF.1943-5509.0001364)
31. Liu, J., A. Hainen, X. Li, Q. Nie, S. Nambisan. “Pedestrian injury severity in motor vehicle crashes: An integrated spatiotemporal modeling approach”. Accident Analysis and Prevention. Volume 132, November 2019, 105272. August 14, 2019. <https://doi.org/10.1016/j.aap.2019.105272>
32. Jones, S.L., A.D. Lidbe, A.M.Hainen. “What can open access data from India tell us about road safety and sustainable development?” Journal of Transport Geography, ISSN: 0966-6923, Vol: 80, Page: 102503. August 26, 2019. <https://doi.org/10.1016/j.jtrangeo.2019.102503>

--- The following papers were published after promotion and tenure at UA:---

33. Talukder, S., A. D. Lidbe, E. G. Tedla, A. M. Hainen, T. L. Atkison. "Trajectory-Based Signal Control in Mixed Connected Vehicle Environments". *Journal of Transportation Engineering, Part A: Systems*. 147(5). 2021. <https://ascelibrary.org/doi/abs/10.1061/JTEPBS.0000510>
34. Islam, N., Hainen, A. M., Burdette, S., Smith, R. K. "An analytical assessment of freeway service patrol on incident clearance times." *Advances in Transportation Studies*, LIV(54). 2021. <https://doi.org/10.1080/15472450.2022.2106564>
35. Li, X., P. Penmetsa, J. Liu, A. M. Hainen, S. Nambisan, "Severity of emergency natural gas distribution pipeline incidents: Application of an integrated spatio-temporal approach fused with text mining". *Journal of Loss Prevention in the Process Industries*, Volume 69, 2021, 104383, ISSN 0950-4230, <https://doi.org/10.1016/j.jlp.2020.104383>
36. Islam, N, E. K. Adanu, A. M. Hainen, S. Burdette, R. Smith, S. L. Jones, Jr. "A comparative analysis of freeway crash incident clearance time using random parameter and latent class hazard-based duration model". *Accident Analysis & Prevention*, Volume 160, 2021, 106303, ISSN 0001-4575, <https://doi.org/10.1016/j.aap.2021.106303>
37. Talukder, M., Tedla, E., Hainen, A. and Atkison, T. "Analytical and Empirical Evaluation of Freight Priority System in Connected Vehicle Environment". *Journal of Transportation Engineering Part A: Systems*. 148(6). June 1, 2022. <https://doi.org/10.1061/JTEPBS.0000673>
38. Islam, N., Adanu, E. K., Hainen, A., Burdette, S., Smith, R., Jones, S., 2022. "Evaluating the Impact of Freeway Service Patrol on Incident Clearance Times: A Spatial Transferability Test". *Journal of Advanced Transportation*. July 19, 2022. <https://doi.org/10.1155/2022/5272747>
39. Awolusi, I., E. Marks, A. Hainen, A. Alzarrad. "Incident Analysis and Prediction of Safety Performance on Construction Sites". *CivilEng* 2022, 3, 669–686. July 2022. <https://doi.org/10.3390/civileng3030039>
40. Liu, J., Z. Zhang, C. Yang, Q. Nie, N. Islam, A. Hainen. "Machine learning based real-time prediction of freeway crash risk using crowdsourced probe vehicle data". *Journal of Intelligent Transportation Systems: Technology, Planning, and Operations*. August 9, 2022. <https://doi.org/10.1080/15472450.2022.2106564>
41. Poptic, S.M., P. Penmetsa, J. Liu, E. Tedla, A. Hainen, S. Nambisan. "Dedicated lanes for connected and automated vehicles on freeways: a simulation study". *Advances Transportation Studies*. 59. April 2023. <https://www.atsinternationaljournal.com/index.php/2023-issues/lix-april-2023/1401-dedicated-lanes-for-connected-and-automated-vehicles-on-freeways-a-simulation-study>
42. Liu, J., X. Fu, A. Hainen, C. Yang, L. Villavicencio, W. J. Horrey. "Evaluating the impacts of vehicle-mounted Variable Message Signs on passing vehicles: implications for protecting roadside incident and service personnel". *Journal of Intelligent Transportation Systems*. July 2023. <https://doi.org/10.1080/15472450.2023.2227968>

PROCEEDINGS

1. Hulme, E.A., S.M.L. Hubbard, G.D. Farnsworth, A.M. Hainen, S.M. Remias, D.M. Bullock, "An Asset Management Framework for Addressing the New MUTCD Traffic Sign Retroreflectivity Standards," *Transportation Research Board*, Washington DC, Paper No. 11-0246, January 2011.

2. Remias, S.M., A.M. Hainen, S.R. Mitkey, and D.M. Bullock, "Probe Vehicle Re-Identification Data Accuracy Evaluation," 18th Annual World Congress Orlando, Paper No: 3078, October 2011.
3. Shoup, G., S.M. Remias, A.M. Hainen, G.M. Grimmer, A.D. Davis, and D.M. Bullock, "Characterizing Reliability of Manual Intersection Turning Movement Counts Using Modern Data Collection Technology," SDITE/GLITE Joint Annual Meeting in Lexington, KY, April 2011.
4. Hainen, A.M, S.M. Remias, T.M. Brennan, C.M. Day, and D.M. Bullock, "Probe vehicle data for characterizing road conditions associated with inclement weather to improve road maintenance decisions," Intelligent Vehicles Symposium (IV), 2012 IEEE, 730-735 2012.
5. Remias, S.M., A.M Hainen, G. Grimmer, A.D. Davis, C.M Day, T.M. Brennan, J. Sturdevant D.M. Bullock. "Leveraging High Resolution Signalized Intersection Data to Characterize Discharge Headway Distributions and Saturation Flow Rate Reliability." Submitted to Transportation Research Record August 1, 2011, Paper No. 12-2122.
6. Mitkey, S.R., T.M. Brennan Jr., S.M. Remias, A.D. Davis, G. Grimmer, A.M. Hainen, R. Morris, P. Michael, D.M. Bullock, "Retroreflectivity Durability Comparison of Rumble Stripes vs. Painted Line", Transportation Research Board, Washington, DC Paper No. 12-0616, August, 2011.
7. Remias, S.M., A.M. Hainen, S.R. Mitkey, and D.M. Bullock, "Probe Vehicle Re-Identification Data Accuracy Evaluation." IMSA Journal July-August 2012. p 48-59.
8. Hainen, A.M., S.M. Remias, D.M. Bullock. "Collection and Analysis of Multi-Modal Airport Land Side Probe Data from Bluetooth Enabled Mobile Devices". Intelligent Vehicles Symposium (IV), 2013 IEEE. October 2013. The Hague, Netherlands.
9. Bullock, D.M., S.M. Remias, T.M. Brennan, A.M. Hainen, and C.M. Day, "Characterizing Urban Travel Time Reliability along Signalized Corridors using Probe Data," Mobil. TUM 2013, International Scientific Conference on Mobility and Transport. Munich, Germany, June 2013.
10. Remias, Stephen, M., A.M. Hainen, H.T. Summers and D.M. Bullock, "High Speed Evaluation of Wireless Magnetometer Vehicle Matching Speed Estimation," Submitted to Transportation Research Board, August 1, 2013, Paper No. 14-3369.
11. Hainen, Alexander, M., S.M. Remias, R.S. Freije, W.B. Smith, H.T. Summers and D.M. Bullock, "Underdrain Asset Rating, Asset Management, and Maintenance: A Post Construction Case Study," Submitted to Transportation Research Board, August 1, 2013, Paper No. 14-4443.
12. Snyder, Derrick, W., K.A. Hoogewind, M.E. Baldwin, S.M. Remias, A.M. Hainen and D.M. Bullock, "Dual Polarimetric Weather Radar and Crowd-Sourced Weather Observations for Managing Winter Operations Activities," Submitted to Transportation Research Board, August 1, 2013, Paper No. 14-3229.
13. Smith, W. Benjamin, A.M. Hainen, S.M. Remias, R.S. Freije, S. Sarvis and D.M. Bullock, "Assessing Network Changes Attributed to Opening a New 67 Mile Segment of I-69 Using Field Data from Bluetooth Probe Vehicles," ITS World Congress, August 2014.
14. Day, C.M., H. Li, A.M. Hainen, A.L. Stevens, J.R. Sturdevant, D.M. Bullock. "System-Level Analysis of Local Congestion Metrics for Protected and Permitted Movements at Signalized Intersections". 15-0062 Presented at TRB 2015.
15. Remias, S.M., A.M. Hainen, J.K. Mathew, L.D. Vanajakshi, A. Sharma, D.M. Bullock. "Travel Time Observations Using Bluetooth MAC Address Matching: A Case Study on the Rajiv Gandhi

Roadway: Chennai, India”. 15-0074 Submitted to Transportation Research Board, August 1, 2014.

16. Hainen, A.M. “Investigating mixed logit analysis of critical headways at a single lane instrumented roundabout”. Presented at Transportation Research Board, 2016.
17. Lidbe, A.D., A.M. Hainen, S. L. Jones. “Comparative study of Simulated Annealing and Genetic Algorithm for Calibration of VISSIM Microsimulation Model”. Presented at the Transportation Research Board 95th Annual Meeting, 2016.
18. Zephaniah, S.O., A.M. Hainen, S.L. Jones. “Mixed Binary Logit Analysis of Motorcycle Helmet Usage Observations in Nairobi, Kenya”. Presented at the Transportation Research Board 95th Annual Meeting, 2016.
19. Lidbe, A.D., E.G. Tedla, A.M. Hainen, S.L. Jones, Jr. “Analysis Techniques for Evaluating the Implementation of Adaptive Traffic Signal Control Systems.” Accepted for presentation at the World Conference on Transport Research WCTR 2016.
20. Talukder, S., A.M. Hainen, S.M. Remias, D.M. Bullock. “Route-based Mobility Performance Metrics Using Probe Vehicle Travel Times”. 96th Annual Transportation Research Board Annual Meeting, 2017.
21. W. Alexander, X. Hong, and A. Hainen. 2017. V2I Communication-Enabled Real-Time Intersection Traffic Signal Scheduling. In Proceedings of the SouthEast Conference (ACM SE '17). ACM, New York, NY, USA, 26-33. DOI: <https://doi.org/10.1145/3077286.3077573>
22. Hainen, A.M., K.B. Harbin, D.C. Dye, S.C. Vereen, J.K. Lindly. “Duration Analysis of Hazardous Liquid Pipeline Emergency Shutdown Incidents”. 97th Transportation Research Board Annual Meeting, 2018.
23. Kuai, M., P. Subedi, X. Hong, A. Hainen. “Sustain Vehicle-Crowds via Traffic Signal Adjustments”. IEEE 88th Vehicular Technology Conference (VTC2018-Fall), 27–30 August 2018, Chicago, USA.
24. Liu, J., A. Hainen, S. Nambisan. “Pedestrian Injury Severity in Motor Vehicle Crashes: An Integrated Spatio-Temporal Modeling Approach”. 98th Transportation Research Board Annual Meeting, 2019.
25. Alexander, W., A. Hainen, X. Hong. “Vehicle Priority Scheduling Using Vehicle-to-Infrastructure Communications”. 98th Transportation Research Board Annual Meeting, 2019.
26. Adanu, E., J. Liu, M. McNamara, P. Penmetza, A. Lidbe, X. Li, A. Hainen. “Has the Younger Population's Vehicle Availability Changed Over the Years?: A Comparative Analysis of the Recent National Household Travel Surveys”. 99th Transportation Research Board Annual Meeting, 2020.
27. Fu, X., Q. Nie, J. Liu, A. Khattak, A. Hainen, S. Nambisan. “Constructing Spatio-Temporal Driving Volatility Profiles for Connected and Automated Vehicles in Existing Highway Networks”. 99th Transportation Research Board Annual Meeting, 2020.
28. Li, X., J. Liu, P. Penmetza, Q. Nie, S. Nambisan, A. Hainen. “A Mixture of Text Mining and Random Parameter Approach to Understanding Contributing Factors Associated with Incident Responder Safety”. 99th Transportation Research Board Annual Meeting, 2020.
29. Lu, W., J. Liu, G. Hu, A. Parrish, A. Hainen. “A Pure Linear Programming Approach to Estimate the Macroscopic Fundamental Diagrams of Urban Networks”. 100th Transportation Research Board Annual Meeting, 2021.

30. Fu, X., J. Liu, A. Hainen, A. Khattak. “Qualifying the Driving Environment Dynamics from the View of Autonomous Vehicles (AVs): Inspiration for Qualitatively Defining Operational Design Domains (ODDs)”. 100th Transportation Research Board Annual Meeting, 2021.
31. Turner, D.H., A. Hainen, J. Taylor. “Assessing the Effects of a Dual-Service Left-Turn Phase”. 100th Transportation Research Board Annual Meeting, 2021.
32. Talukder, S., A. Lidbe, E. Tedla, A. Hainen, T. Atkison. “Development and Evaluation of a Weighted Delay-Based Signal Control Algorithm for Connected and Non-Connected Vehicles”. 100th Transportation Research Board Annual Meeting, 2021.
33. Penmetsa, P., S. Talukder, N. Islam, E. Adanu, X. Li, K. Harbin, A. Hainen. “Analysis of Emergency Incidents Regarding Natural Gas Distribution Pipelines”. 100th Transportation Research Board Annual Meeting, 2021.
34. Li, X., P. Penmetsa, J. Liu, A. Hainen, S. Nambisan. “Severity of Emergency Natural Gas Distribution Pipeline Incidents: Application of An Integrated Spatio-temporal Approach Fused with Text Mining”. 100th Transportation Research Board Annual Meeting, 2021.
35. Zhang, Z., Q. Nie, J. Liu, X. Fu, A. Hainen, S. Jones. “Real-time Traffic Incident Detection on Freeways Using Crowdsourced Probe Vehicle Data: A Deep Learning Approach”. 101st Transportation Research Board Annual Meeting, 2022.
36. Fu, X., W. Lu, J. Liu, A. Hainen. “DTSUMO: A “Digital Twin” Traffic Simulation Tool for Network-Wide Real-Time Traffic Monitoring and Management”. 101st Transportation Research Board Annual Meeting, 2022.
37. Irfan, M.S., M. Rahman, T. Atkison, S. Dasgupta, A. Hainen. “Reinforcement Learning based Cyberattack Model for Adaptive Traffic Signal Controller in Connected Transportation Systems”. 101st Transportation Research Board Annual Meeting, 2022.
38. Taylor, J., A. Hainen, S. Parr, B. Wolshon. “Special Event Traffic Signal Management: Police or Traffic Engineers, Who’s Better?” 101st Transportation Research Board Annual Meeting, 2022.
39. Fu, X., J. Liu, Z. Huang, A. Hainen, A. Khattak. “Long Short Term Memory Based Lane Change Prediction Using Waymo Open Motion Dataset: The Role of Vehicle Operating Space”. 101st Transportation Research Board Annual Meeting, 2022.
40. Choffin, Z., W. Riley, A. Hainen, B. Balasubramanian, J. Bittle, N. Jeong. “Locational Accuracy of Recent C-V2X Units”. IEEE VPPC. July 2023.

REFeree WORK FOR JOURNALS

1. Associate Editor for Journal of Modern Mobility Systems
2. Journal of Transportation Engineering - 19 papers reviewed
3. Transportation Research Board - 9 papers reviewed
4. IEEE Intelligent Transportation Systems - 4 paper reviewed
5. IEEE Intelligent Vehicle Symposium - 2 papers reviewed
6. Transportation Research Part A: Policy and Practice – 1 paper reviewed
7. Journal of Professional Issues in Engineering Education and Practice – 1 paper reviewed

REPORTS

1. Day, C.M., T.M. Brennan Jr., H. Premachandra, A.M. Hainen, S.M. Remias, J.R. Sturdevant, G. Richards, J.S. Wasson, and D.M. Bullock. "Quantifying benefits of traffic signal retiming." FHWA/IN/JTRP-2010/22.
2. Day, C.M., T.M. Brennan Jr., A.M. Hainen, S.M. Remias, D.M. Bullock. "Roadway System Assessment Using Bluetooth-Based Automatic Vehicle Identification Travel Time Data". ISBN-13: 9781622602186.
3. Day, C.M., A.M. Hainen, D.M. Bullock. "Best Practices for Roundabouts on State Highways." Publication FHWA/IN/JTRP-2013/14. Joint Transportation Research Program, Indiana Department of Transportation and Purdue University, West Lafayette, Indiana, 2013. DOI: 10.5703/1288284315216.
4. Hainen, A.M., M.R. Dunn. "2014 Alabama Statewide Mobility Report". Alabama Department of Transportation 930-893. University Transportation Center for Alabama and the University of Alabama. Tuscaloosa, Alabama. September 2015.

INVITED TALKS

1. Road School, 2011. Institute of Transportation Engineers Session - "Probe Vehicle Re-Identification Data Accuracy Evaluation." West Lafayette, IN.
2. Road School, 2011. "RSIT2 – A Tool for Road Safety Audits." West Lafayette, IN.
3. International Roundabout Conference, 2011." Analysis of Roundabout Analytical Models During Unbalanced Flows Using Bluetooth Mac Address Matching." Carmel, IN.
4. Road School, 2012. Emerging Tools and Analysis Techniques. West Lafayette, IN.
5. TRB 2013. "Roundabout Critical Headway Measurement based on Hi-Resolution Event-Based Data from Wireless Magnetometers".
6. Road School, 2013. "Roundabout Critical Headway Measurement based on Hi-Resolution Event-Based Data from Wireless Magnetometers".
7. ITE/LTAP Conference, 2013. "Roundabout Critical Headway Measurement based on Hi-Resolution Event-Based Data from Wireless Magnetometers: Recent Econometric Findings".
8. Road School, 2014. "Offset and Sequence Optimization at Diamond Interchanges Using High-Resolution Event-Based Data."
9. Great Lakes ITE District Meeting, 2014. "Offset and Sequence Optimization at Diamond Interchanges Using High-Resolution Event-Based Data."
10. NAMTEC Arterial Data and Performance Monitoring Workshop, June 2014 Chicago. "High-Resolution Traffic Controller Data."
11. Alabama American Society of Civil Engineers, February 19, 2015. "Offset and Sequence Optimization at Diamond Interchanges Using High-Resolution Event-Based Data"
12. Road School, 2015. "Diverging Diamond Interchange Signal Performance Measures and Optimization."
13. ASCE Joint Student/Tuscaloosa Chapter, 2015. "Roundabout Critical Headway Measurement based on Hi-Resolution Event-Based Data from Wireless Magnetometers".
14. West Alabama Regional Commission. "Traffic Signal Performance Measures". June 2015.

15. Transportation Road Conference. “Traffic Signal Performance Measures”. Montgomery, AL. February 2016.
16. Southeast Transportation Center “Successful Signal Management: What We Wish We Knew”. Knoxville, TN. March 2016.
17. Alabama Transportation Planners Association. “Traffic Signal Performance Measures”. Dothan, AL. April 2016.
18. AASHTO Subcommittee on Traffic Engineering. “Traffic Signal Performance Measures”. Savannah, GA. June 2016.
19. AASHTO Subcommittee on Transportation Systems Management and Operation. “Traffic Signal Performance Measures”. Denver, CO. August 2016.
20. Gulf Region ITS Fall Workshop. “Traffic Signal Performance Measures”. Birmingham, AL. September 2016.
21. Alabama Department of Transportation. “Traffic Engineering Round Table”. Montgomery, AL. August 2017.
22. Alabama Strategic Highway Safety Plan. “Emerging Trends in Transportation Systems Management & Operations Technologies for Transportation Safety”. Tuscaloosa, AL. December 2017.
23. Pre-Construction Conference, "Traffic Signal Performance Measures - Successes in Tuscaloosa," Alabama Department of Transportation, Marriott Shoals Hotel, Florence, AL, United States. April 5, 2018.
24. Maintenance Management Meeting, "Traffic Signal Performance Measures - Successes in Tuscaloosa," Alabama Department of Transportation, Marriott Shoals Hotel, Florence, AL, United States. August 2, 2018.
25. Tom Maze Transportation Seminar, "Traffic Signals and Connected Vehicles," Iowa State University, Iowa State Institute for Transportation, Ames, IA, United States. March 1, 2019.
26. ALDOT Pre-Construction Conference, "Machine Learning Research for Civil Engineers," Alabama Department of Transportation, Montgomery Marriott Prattville Hotel and Conference Center at Capitol Hill, Prattville, AL, United States. April 9, 2019.
27. ITS America. “Co-Deployment of DSRC Radio and Cellular Connected Vehicle Technology in Tuscaloosa, AL and Northport, AL”. Washington, D.C. June 6, 2019.
28. ITS Georgia. “Co-Deployment of DSRC Radio and Cellular Connected Vehicle Technology in Tuscaloosa, AL and Northport, AL”. Athens, GA. October 7, 2019.
29. ITS New Mexico. “Co-Deployment of DSRC Radio and Cellular Connected Vehicle Technology”. Albuquerque, NM. October 29, 2019.
30. Tennessee DOT. “Traffic Signal Systems and Connected Vehicles”. Tuscaloosa, AL. December 6, 2019.
31. Transportation Conference. “Connected Vehicle Pilot Deployment in West Central Region”. Montgomery, AL. February 12, 2020.
32. FHWA Every Day Counts-Round 5 (EDC-5) Crowdsourcing for Operations peer exchange. St. Louis, MO. March 13, 2020.

33. 2021 Winter Meeting, "Trajectory Data for Connected Vehicle Applications," American Society of Civil Engineers - Alabama Section, The Cypress Pavilion, Tuscaloosa, AL, United States. March 10, 2021.
34. Winter Meeting, "Wejo Connected Vehicle Data, "DSITE/GRITS, Virtual, Tuscaloosa, AL, United States. March 18, 2021.
35. Spring 2022 Meeting. "Connected Freight Priority". Tuscaloosa Branch American Society of Civil Engineers. Tuscaloosa County, Tuscaloosa, AL. April 28, 2022.
36. Southern Association of State Highway and Transportation Officials Conference. "Traffic Signals and Connected Vehicles". Mobile, AL. August 7, 2023.

EXTERNAL RESEARCH FUNDING

No	PP	Title	Sponsor	Role	Date	Amount	Status
83	63	Installation Access Contr...	United States Army ...	Co-PI	3/15/2023	\$673,079	IPF Initiated
82	62	Artificial Intelligence f...	MITRE Corporation -...	PI	12/20/2022	\$69,912	Not Funded
81	61	Integrated Modeling for R...	Leidos...	PI	11/30/2022	\$232,798	Funded
80	60	Greenville SC SMART Grant...	The City of Greenvi...	PI	11/18/2022	\$93,378	Not Funded
79	59	MDOT SMART Grant...	Mississippi Departm...	PI	11/18/2022	\$93,378	Not Funded
78	58	Community-driven Regional...	Regional Planning C...	Co-PI	11/18/2022	\$1,101,204	Funded
77	57	FHWA SMART Trajectory Con...	City of Colorado Sp...	PI	11/18/2022	\$147,521	Funded
76	56	Exploring Large-Scale Cro...	Alabama Department ...	Co-PI	9/8/2022	\$248,226	Submitted
75	55	Guide for Long-Term Autom...	MITRE Corporation -...	PI	8/5/2022	\$84,283	Not Funded
74	54	Toward net-zero emission ...	Federal Transit Adm...	Co-PI	5/31/2022	\$2,673,876	Funded
73	53	Using Wejo Connected Vehi...	Federal Railroad Ad...	Co-PI	5/27/2022	\$147,881	Submitted
72	52	Crash Modification Factor...	Vanasse Hangen Bru...	PI	5/17/2022	\$82,231	Not Funded
71	51	Integrating Resiliency in...	Metro Analytics...	Co-PI	1/24/2022	\$49,934	Funded
70	50	Feasibility Study of the ...	Alabama Department ...	Co-PI	9/9/2021	\$118,737	Submitted
69	49	Wejo Data Exploration to ...	Alabama Department ...	Co-PI	9/9/2021	\$308,471	Submitted
68	48	Deep Learning of Emergenc...	Transportation Rese...	Co-PI	9/1/2021	\$91,715	Submitted
67	47	PROACT Alabama...	Alabama Department ...	PI	8/23/2021	\$10,500,000	Submitted
66	46	CERL-18: Validation and V...	United States Army ...	Co-PI	7/1/2021	\$283,804	Funded
65	45	Managing the Traffic Impa...	Alabama Department ...	Co-PI	9/10/2020	\$249,849	Funded
64	44	Improving network-wide fu...	U.S. Department of ...	Co-PI	4/28/2020	\$872,823	Funded
63	43	CERL-17: Research Evalua...	United States Army ...	PI	3/27/2020	\$196,620	Funded
62	42	A Cost-Benefit Analysis o...	Wiregrass Economic ...	Co-PI	12/9/2019	\$46,102	Funded
61	41	FRA CRISI - National Inst...	University of Tenne...	Co-PI	10/18/2019	\$163,799	Not Funded
60	40	Proactive Traffic Inciden...	Alabama Department ...	Co-PI	9/13/2019	\$199,601	Funded
59	39	Queuing Detection and War...	Alabama Department ...	Co-PI	9/13/2019	\$133,474	Funded
58	38	I-10 Mobile River Bridge:...	Alabama Department ...	Co-PI	8/7/2019	\$99,962	Funded
57	37	NCHRP Project 20-125 Stra...	Transportation Rese...	Co-PI	8/1/2019	\$599,850	Not Funded
56	36	Identifying Countermeasur...	AAA Foundation for ...	Co-PI	7/8/2019	\$130,528	Funded
55	35	Scenario-based Assessment...	Alabama Department ...	Co-PI	6/14/2019	\$48,322	Not Funded
54	34	RII Track-2 FEC: Autonom...	Mississippi State U...	Co-PI	1/25/2019	\$306,226	Not Funded
53	33	National Center for Trans...	Purdue University -...	PI	11/14/2018	\$200,000	Not Funded
52	32	National Institute for Ra...	University of Tenne...	Co-PI	10/12/2018	\$122,754	Not Funded
51	31	Alabama Connected Vehicle...	Alabama Department ...	PI	9/7/2018	\$160,080	Funded
50	30	West Central Region Traff...	Alabama Department ...	PI	8/14/2018	\$99,380	Not Funded
49	29	Advanced Connected Transp...	U.S. Department of ...	PI	6/18/2018	\$16,876,921	Funded
48	28	Enhancements to Traffic S...	Purdue University -...	PI	5/29/2018	\$91,194	Funded
47	27	Guide for Behavioral Traf...	Transportation Rese...	PI	5/8/2018	\$349,948	Not Funded
46	26	Development of Alabama-Sp...	Alabama Department ...	Co-PI	3/29/2018	\$178,923	Funded
45	25	Supplement to 17-0158: Ne...	National Science Fo...	Co-PI	3/29/2018	\$16,000	Funded
44	24	CRISP 2.0 Type 1: Collab...	National Science Fo...	Co-PI	3/7/2018	\$150,625	Not Funded
43	23	Using TensorFlow for Traf...	Alabama Department ...	PI	3/5/2018	\$40,000	Funded
42	22	Applying Emerging Technol...	National Science Fo...	Co-PI	2/28/2018	\$645,291	Not Funded

No	PP	Title	Sponsor	Role	Date	Amount	Status
41	21	Spokes: MEDIUM: SOUTH: De...	National Science Fo...	Co-PI	1/11/2018	\$338,311	Not Funded
40	20	NCHRP State DOT Contribut...	Transportation Rese...	Co-PI	12/22/2017	\$298,662	Not Funded
39	19	Traffic Signal Research a...	UAB...	PI	11/22/2017	\$75,000	Not Funded
38	18	Using ALGO Traffic Data t...	Alabama Department ...	PI	9/1/2017	\$181,672	Funded
37	17	NeTS: Small: VC-VANET: A ...	National Science Fo...	Co-PI	8/18/2017	\$499,201	Funded
36	16	Advanced Transportation a...	U. S. Department of...	Co-PI	6/12/2017	\$7,333,458	Not Funded
35	15	Transportation System Sit...	University of Alaba...	Co-PI	4/18/2017	\$177,227	Not Funded
34	14	Short Term, Quick Turnaro...	Alabama Department ...	PI	4/18/2017	\$193,179	Funded
33	13	Advanced Traffic Manageme...	Birmingham/Sain...	PI	3/10/2017	\$20,000	Not Funded
32	12	Traffic Signal Research a...	City of Tuscaloosa ...	PI	2/28/2017	\$151,249	Not Funded
31	11	Transportation System Opt...	U.S. Department of ...	Co-PI	2/21/2017	\$1,208,838	Not Funded
30	10	Near Miss Reporting for H...	Alabama Department ...	Co-PI	1/4/2017	\$149,945	Not Funded
29	9	CSR: NeTS: Small: Collabo...	National Science Fo...	Co-PI	11/16/2016	\$185,721	Not Funded
28	8	Between-Lane Rumble Strip...	Alabama Department ...	PI	9/2/2016	\$186,835	Not Funded
27	7	DO NOT BRAKE: Reduced Fue...	U.S. Department of ...	Co-PI	8/1/2016	\$4,702,128	Not Funded
26	6	Implications of State Dep...	...	Co-PI	7/28/2016	\$99,270	Not Funded
25	5	UTC Proposal...	Purdue/USDOT...	PI	4/26/2016	\$200,000	Not Funded
24	4	ALDOT Traffic Simulation ...	Alabama Department ...	Co-PI	9/4/2015	\$141,100	Funded
23	3	Guide for Optimal Replace...	National Cooperativ...	Co-PI	10/13/2014	\$398,168	Not Funded
22	2	Alabama Statewide Mobilit...	Alabama Department ...	PI	9/1/2014	\$64,718	Funded
21	1	Tuscaloosa Traffic Signal...	Alabama Department ...	PI	6/17/2015	\$3,000,000	Funded
20		Rail Highway At-Grade Cro...	Alabama Dept. of Tr...	Co-PI	1/1/2013	\$234,419	Funded
19		Evaluation of Alternative...	Indiana Department ...	GRA	8/15/2013	\$235,000	Funded
18		Active Corridor Managemen...	Indiana Department ...	GRA	1/1/2012	\$500,000	Funded
17		Traffic Signal Systems Op...	USDOT...	GRA	1/1/2012	\$500,000	Funded
16		Traffic Signal Systems Op...	USDOT...	GRA	1/1/2012	\$500,000	Funded
15		Assessment of Cincinnati ...	Kenton County Airpo...	GRA	11/11/2011	\$31,294	Funded
14		Traffic Signal Timing Man...	National Cooperativ...	GRA	5/23/2011	\$69,853	Funded
13		Traffic Operations Mobili...	Indiana Department ...	GRA	1/1/2011	\$962,588	Funded
12		Best Analysis Practices f...	Indiana Department ...	GRA	1/1/2011	\$125,000	Funded
11		Alternatives to Raised Pa...	Indiana Department ...	GRA	1/1/2011	\$85,000	Funded
10		Anonymous Traffic Probes ...	USDOT...	GRA	1/1/2011	\$100,000	Funded
9		Morgantown WV ACS-Lite Ev...	Marshal University ...	GRA	9/1/2010	\$267,460	Funded
8		Airport Wait Time Measure...	Derek Consulting Gr...	GRA	8/23/2010	\$25,420	Funded
7		Implementation of Traffic...	Indiana Local Techn...	GRA	8/1/2010	\$50,000	Funded
6		Evaluation of Probe Vehic...	Sensys Networks...	GRA	6/15/2010	\$25,367	Funded
5		Procurement Procedures an...	Indiana Department ...	GRA	1/1/2010	\$200,000	Funded
4		Recovering Full Repair Co...	Indiana Department ...	GRA	10/1/2009	\$120,000	Funded
3		Traffic Sign Retro Reflec...	Indiana Local Techn...	GRA	8/1/2009	\$50,000	Funded
2		Application of Travel Tim...	Indiana Department ...	GRA	7/1/2009	\$150,000	Funded
1		Anonymous Traffic Probes ...	USDOT Phase 1: DTRT...	GRA	4/1/2009	\$25,000	Funded

TEACHING

1. CE691 – Statistics & Econometric Methods for Transportation Engineers, Fall 2014 (5 Students)
2. CE350 – Introduction to Transportation Engineering, Spring 2015 (58 Students)
3. CE350 – Introduction to Transportation Engineering, Fall 2015 (66 Students)
4. CE458 – Traffic Engineering, Spring 2016 (35 Students)
5. CE591 – Statistics & Econometric Methods for Engineers, Fall 2016 (17 Students)
6. CE350 – Introduction to Transportation Engineering, Fall 2016 (65 Students)
7. CE458 – Traffic Engineering, Spring 2017 (49 Students)
8. CE350 – Introduction to Transportation Engineering, Fall 2017 (73 Students)
9. CE458 – Traffic Engineering, Spring 2018 (44 Students)
10. CE573 – Statistical Applications, Spring 2018 (23 Students)
11. CE451 – Roadway and Intersection Design, Fall 2018 (45 Students)
12. CE458 – Traffic Engineering, Spring 2019 (50 Students)
13. CE573 – Statistical Applications, Spring 2019 (25 Students)
14. CE451 – Roadway and Intersection Design, Fall 2019 (50 Students)
15. CE573 – Statistical Applications, Spring 2019 (22 Students)
16. CE458 – Traffic Engineering, Spring 2020 (55 Students)
17. CE691 – Statistics & Econometric Methods for Engineers, Spring 2020 (7 Students)
18. CE573 – Statistical Applications, Fall 2020 (20 Students)
19. CE451 – Roadway and Intersection Design, Fall 2019 (44 Students)
20. CE458 – Traffic Engineering, Spring 2021 (45 Students)
21. CE573 – Statistical Applications, Fall 2021 (19 Students)
22. CE451 – Roadway and Intersection Design, Fall 2021 (38 Students)
23. CE401/402/405 – Senior Design (CE/ConE/EnvE), Fall 2021 (40 Students)
24. CE458 – Traffic Engineering, Spring 2022 (37 Students)
25. CE573 – Statistical Applications, Fall 2022 (29 Students)
26. CE451 – Roadway and Intersection Design, Fall 2022 (38 Students)
27. CE458 – Traffic Engineering, Spring 2023 (40 Students)

GRADUATE STUDENTS ADVISED

1. Caleb Dean (MSCE 2016)
2. Abhay Lidbe (MSE 2016, PhD 2016)
3. Harrison Turner (MSCE 2017)
4. Md Abu Sufian Talukder (MSCE 2018, PhD 2021)
5. Naima Islam (MSCE 2018, PhD 2021)

6. Xiaotong Xu (MSCE 2019)
7. Kate Coggins (MSCE 2020)
8. Aspen Golden (MSCE 2020)
9. Katie Teipel (MSCE 2021)
10. John Paul Smith (MSME 2022)
11. Vamshi Anнимalla (PhD 2024)
12. Nadan Cho (PhD 2024)
13. Henry Cull (MSCE 2024)

GRADUATE STUDENT COMMITTEES

1. Daniel Dye (MSCE 2016)
2. Kofi Adanu (PhD 2017)
3. Siyuan Song (PhD 2017)
4. Ibukun Awolusi (PhD 2017)
5. Mohammad Ammar Al-Zarrad (PhD 2018)
6. Shane Crawford (PhD 2018)
7. Olugbenro Ogunrinde (PhD 2020)
8. Qifan Nie (PhD 2020)
9. Kris Harbin (PhD 2020)
10. Michael Lee (PhD 2021)
11. Xing Fu (PhD 2022)
12. Cailis Bullard (MSCE 2023)
13. Zihe Zhang (PhD 2023)
14. Chen Wang (PhD 2023)
15. William Alexander (PhD 2023, University of Texas at Austin)
16. Chenxuan Yang (PhD 2024)
17. Shenglin Li (PhD 2024)
18. David Leech (PhD 2024)

PROFESSIONAL MEMBERSHIPS

1. Institute of Transportation Engineers
2. American Society of Civil Engineers
3. Gulf Region Intelligent Transportation Systems

UNIVERSITY SERVICE

1. Faculty and Staff Benefits Committee Member. Academic year 2014-2015.
2. Parking and Transportation Committee Member. Academic year 2015-2016.
3. Parking and Transportation Committee Chair. Academic year 2016-2017.
4. Transportation Faculty Search Committee Member. Academic year 2017-2018.
5. Transportation Faculty Search Committee Member. Academic year 2019-2020.
6. Geomatics and Surveying Curriculum Review Committee Chair. Academic year 2021-2022.
7. PI for Campus Traffic Signal Upgrades (Eight Intersections). 2021-2023.
8. CCEE Safety Committee Chair. Academic year 2022-2023.
9. CCEE Architectural and Construction Search Committee Member. Academic year 2022-2023.
10. University Transfer Students Subcommittee. Spring 2023-2025.

PANELS

1. National Cooperative Highway Research Program 08-148. “A Guide for Management of Out-of-Service Facilities”. September 2020 – Present.
2. National Cooperative Highway Research Program Project 20-05/Topic 55-20. “Traffic Capacity Level of Service Adaptations and Usage”. July 2023 – Present.
3. National Cooperative Highway Research Program 10-138. “Strategies for Earlier, More Effective Right of Way Engineering Involvement in Project Delivery”. August 2023 – Present.

CIVIL ENGINEERING VOLUNTEER WORK

1. CAM International Church Construction. Drainage/Utility Work in Puebla, Mexico. Aug. 2004
2. Purdue University Parking and Traffic Committee. Academic Year 2013-2014.
3. Wheelchair Ramp Outreach, Church of the Highlands, Tuscaloosa, AL, July 2015.
4. Nicaragua Resource Network, [Los Brasilles & Lidia Saavedra](#), Nicaragua, June 2016.
5. Bathroom Renovation, Church of the Highlands, Tuscaloosa, AL, November 2018.
6. Wheelchair Interior Door Widening, Church of the Highlands, Tuscaloosa, AL, January 2019.
7. Wheelchair Ramp Outreach, Church of the Highlands, Tuscaloosa, AL, February 2019.
8. Wheelchair Ramp Outreach, Church of the Highlands, Cottondale, AL, April 2019.
9. Wheelchair Ramp Outreach, Church of the Highlands, Northport, AL, December 2019.
10. Wheelchair Ramp Outreach, Church of the Highlands, Tuscaloosa, AL, February 2020.
11. Wheelchair Ramp Outreach, Church of the Highlands, [Tuscaloosa, AL](#), November 2020.

CIVIL ENGINEERING NON-TRANSPORTATION PROJECT EXPERIENCE

1. Turtle Creek Casino Hotel and Resort – Williamsburg, MI. Construction inspection, foundation inspection, and material testing for a 5-story precast hotel and casino. Otwell-Mawby, P.C. Summer 2007.
2. Two Lads Winery – Old Mission, MI. Foundation inspection of a multi-million-dollar winery on a clay/sand interface using dynamic cone penetrometer and a nuclear density device. Otwell-Mawby, P.C. Summer 2007.
3. Starcutter Groundwater Sampling – Ossineke, MI. Collected groundwater samples from monitoring wells for phase 2 remediation project. Otwell-Mawby, P.C. Summer 2007.
4. Northport Wastewater Treatment Plant and Sanitary Sewer System – Northport, MI. Construction inspection, documentation, and testing of a moving bed bioreactor and new sanitary sewer system. Directional drilling for lateral service taps and installing grinder pumps at each house. Fleis & VandenBrink Engineering. Summer 2008.
5. Dry Hydrant Design – Hope Township, MI. Surveyed prospective locations for dry hydrants and then performed USDA analysis for final recommendations. Fleis & VandenBrink Engineering. Summer 2009.
6. Saugatuck Street Design and water main construction – Saugatuck, MI. Horizontal, vertical, curb, and drainage design for Culver Street and Spear Street. Also, documentation of water main construction. Fleis & VandenBrink Engineering. Summer 2009.
7. M-66 Joint Repair and Resurfacing – Ionia, MI. Supervised dowel bar removal and resurfacing for 6 miles as a representative for MDOT under the America Recovery and Reinvestment Act. Fleis & VandenBrink Engineering. Summer 2009.
8. M-91 Chip Seal – Greenville, MI. Managed 7-mile chip seal resurfacing project as a representative for MDOT under the America Recovery and Reinvestment Act. Fleis & VandenBrink Engineering. Summer 2009.

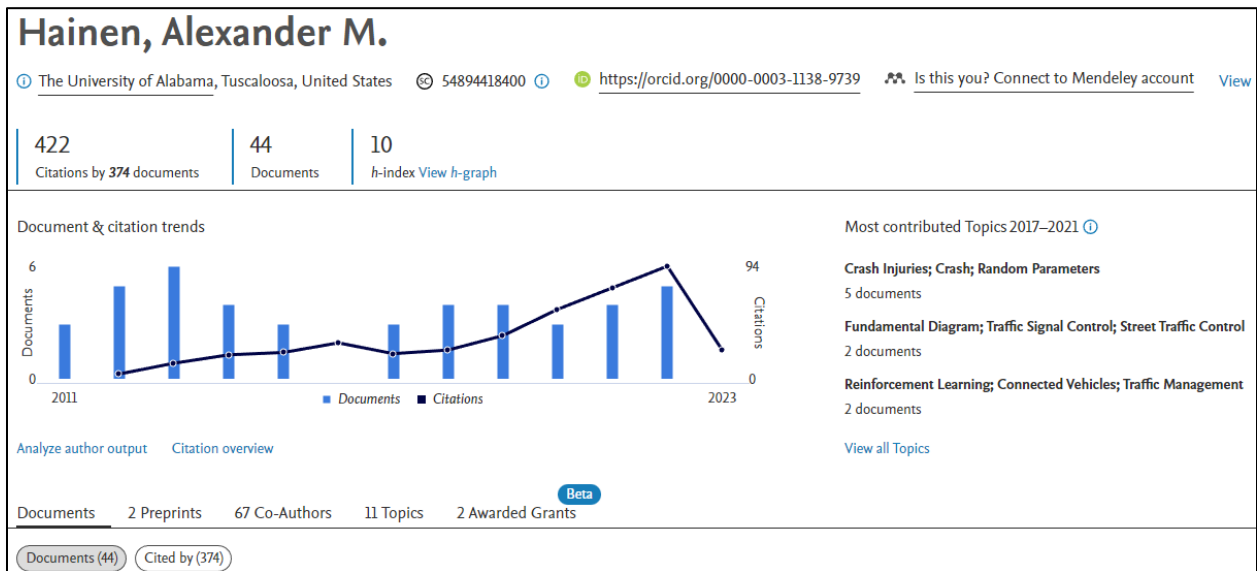
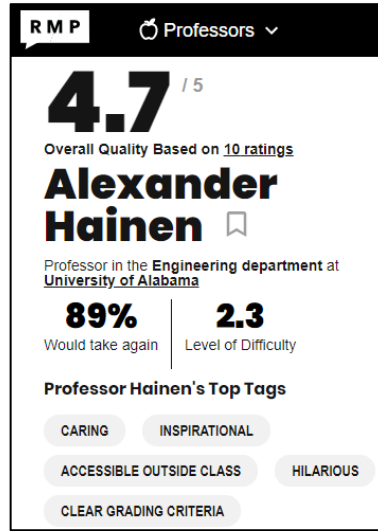
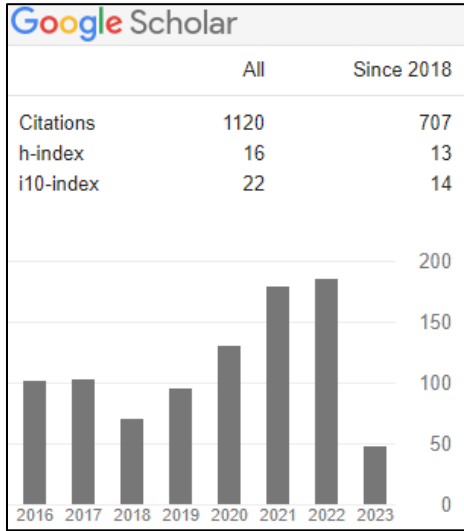
MISCELLANEOUS

Erdős# = 6

Paul Erdős -1-> András Kroó -2-> Richard S. Varga -3->
 Garry H. Rodrigue -4-> Chris Hendrickson -5-> Darcy Bullock -6-> Alex Hainen

Einstein# = 7

Albert Einstein -1-> Ernst Gabor Straus -2-> Alan J. Hoffman -3-> Richard S. Varga -4->
 Garry H. Rodrigue -5-> Chris Hendrickson -6-> Darcy Bullock -7-> Alex Hainen



<https://scholar.google.com/citations?user=l2CS2l0AAAAJ&hl=en>

<https://www.scopus.com/authid/detail.uri?authorId=54894418400#>

<http://www.ratemyprofessors.com/ShowRatings.jsp?tid=2112677>

University of Alabama
2023 Spring



Course: CE-458-320: Traffic Engineering (CE 458/558-320)
Instructor: Alex Hainen *
Response Rate: 23/41 (56.10 %)

1 - The procedure for grading was fair.

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	21	91.30%		4.91	4.51	4.37	4.52
Agree	(4)	2	8.70%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
23/41 (56.10%)	4.91	0.29	5.00	69837	4.51	0.81	5.00	7141	4.37	0.87	5.00	836	4.52	0.72	5.00

2 - The course was a valuable experience.

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	18	78.26%		4.57	4.33	4.24	4.38
Agree	(4)	3	13.04%					
Undecided	(3)	0	0.00%					
Disagree	(2)	1	4.35%					
Strongly Disagree	(1)	1	4.35%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
23/41 (56.10%)	4.57	1.04	5.00	69737	4.33	0.96	5.00	7142	4.24	0.94	4.00	835	4.38	0.85	5.00

3 - The instructor, Alex Hainen, was an effective communicator. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	21	91.30%		4.78	4.43	4.25	4.36
Agree	(4)	1	4.35%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	1	4.35%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
23/41 (56.10%)	4.78	0.85	5.00	75682	4.43	0.92	5.00	7338	4.25	0.99	5.00	866	4.36	0.94	5.00

4 - The instructor, Alex Hainen, was accessible to students. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	22	95.65%		4.83	4.49	4.32	4.45
Agree	(4)	0	0.00%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	1	4.35%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
23/41 (56.10%)	4.83	0.83	5.00	75632	4.49	0.82	5.00	7329	4.32	0.90	5.00	866	4.45	0.82	5.00

University of Alabama
2023 Spring



Course: CE-458-320: Traffic Engineering (CE 458/558-320)
Instructor: Alex Hainen *
Response Rate: 23/41 (56.10%)

5 - The instructor, Alex Hainen, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	21	91.30%		4.83	4.56	4.44	4.57
Agree	(4)	1	4.35%					
Undecided	(3)	0	0.00%					
Disagree	(2)	1	4.35%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
23/41 (56.10%)	4.83	0.65	5.00	75623	4.56	0.76	5.00	7331	4.44	0.82	5.00	867	4.57	0.70	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	19	82.61%		5.65	5.55	5.44	5.54
B	(5)	3	13.04%					
C	(4)	0	0.00%					
D	(3)	0	0.00%					
F	(2)	0	0.00%					
Other	(1)	1	4.35%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
23/41 (56.10%)	5.65	1.07	6.00	69662	5.55	0.76	6.00	7121	5.44	0.84	6.00	833	5.54	0.74	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	17	77.27%		4.59	4.13	3.96	4.13
Above Average	(4)	3	13.64%					
Average	(3)	1	4.55%					
Below Average	(2)	0	0.00%					
Failure	(1)	1	4.55%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/41 (53.66%)	4.59	0.96	5.00	69704	4.13	1.01	4.00	7135	3.96	1.02	4.00	832	4.13	0.96	4.00

8 - How would you rate the instructor, Alex Hainen, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	22	95.65%		4.83	4.35	4.19	4.31
Above Average	(4)	0	0.00%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	1	4.35%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
23/41 (56.10%)	4.83	0.83	5.00	75638	4.35	0.95	5.00	7336	4.19	1.00	5.00	866	4.31	0.96	5.00

University of Alabama
2023 Spring



Course: CE-458-320: Traffic Engineering (CE 458/558-320)
Instructor: Alex Hainen *
Response Rate: 23/41 (56.10 %)

9 - How frequently did you attend class or access the online course?																	
Response Option				Weight	Frequency	Percent	Percent Responses				Means						
Always				(5)	20	86.96%					4.87	4.52	4.46	4.56			
Usually				(4)	3	13.04%											
Often				(3)	0	0.00%											
Sometimes				(2)	0	0.00%											
Rarely				(1)	0	0.00%											
0 25 50 100 Question University Mean College Mean Department Mean																	
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median		
23/41 (56.10%)	4.87	0.34	5.00	69697	4.52	0.83	5.00	7132	4.46	0.92	5.00	834	4.56	0.75	5.00		

10 - Any additional comments about the instructor, Alex Hainen. -	
Response Rate	12/41 (29.27%)
<ul style="list-style-type: none"> • He went above and beyond to make sure we were able to complete the assignments. • One of the smartest professors I have had. Knows the material very well. • Dr. Hainen is obviously very knowledgeable about all things traffic - his passion for the material shines through in his lectures and makes them so much more enjoyable. I appreciate that he introduced us to many different softwares, some of which can be utilized outside of traffic engineering as well. No matter what direction my civil engineering career takes me in, I know that the topics I learned in this course will serve me well. Dr. Hainen is a very fair grader and has very reasonable expectations of his students. I appreciate that if you show up, participate, and do your best work - you can excel in this course. • Professor Hainen is probably the best teacher in the Engineering Department at UA. He is always over-prepared for classes and gives great life lessons on top of great Traffic Engineering lectures. • Dr. Hainen is an enthusiastic, methodical wonderful teacher. He gives and shares real life product and industry experience that is really great for us. Even we had gone through field labs and real time applications from the course. He always inspires us! • Love love love Hainen! Has been incredibly helpful not only inside the classroom, but outside of it as well. Incredibly valuable experience. • Dr. Hainen was hands down the best, smartest, most caring instructor I have had. • Awesome professor; However, the amount of work giving in this course was very overwhelming. Something new every class and always involved downloading software. Their were videos to help, the work was not very difficult, just very long and always something new. • one of the best professors ive ever had at UA • The best professor at UA in my opinion. • Absolutely amazing. He not only taught traffic but he helped prepare us for the adult life • I felt as though I was not treated equitably in this class. Contrary to his claims, Alex Hainen's actions were the exact opposite of what he had promised. He left me with an overwhelming sense of discomfort. Although he seemed to believe he was discussing sophisticated topics, the content was, in fact, quite superficial. I never anticipated gaining significant knowledge from the class; however, as a university professor, I hoped to ensure that every student received equal treatment and at least you should have a good personality as a human! 	

11 - Any additional comments about the course.	
Response Rate	7/41 (17.07%)
<ul style="list-style-type: none"> • This course will provide a good deal of background necessary for a career in transportation. • no. • We had so many great experiences. We went to see real-life traffic cabinet, had lab with great lab-guide and tutorial on so many new softwares! Even had experience with virtual controllers, then had a in-class machine learning lab,Vistro project, and so many products Dr. Hainen brought to class! Loved the class! • The course was very interesting. The only complaint I have is that the assignments seemed to be a little too frequent/intense on top of the workload in other classes. • He assigned too much work at times, that made it difficult to keep up with the course work • hainen makes it fun! • Please please please lower the amount of work. If this was my only class this semester, the workload might not be bad. But there are other classes and some students have to work. Also, if the students could start Vistro a week earlier that would be nice. 	

University of Alabama
2022 Fall



Course: CE-451-001: Roadway Intersection Dsgn (CE 451/551-001)
Instructor: Alex Hainen *
Response Rate: 17/29 (58.62 %)

1 - The procedure for grading was fair.

Response Option	Weight	Frequency	Percent	Percent Responses	Means															
Strongly Agree	(5)	14	82.35%		4.82	4.49	4.35	4.46												
Agree	(4)	3	17.65%																	
Undecided	(3)	0	0.00%																	
Disagree	(2)	0	0.00%																	
Strongly Disagree	(1)	0	0.00%																	
					0	25	50	100	Question	University Mean			College Mean			Department Mean				
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median					
17/29 (58.62%)	4.82	0.39	5.00	77204	4.49	0.83	5.00	8015	4.35	0.90	5.00	1067	4.46	0.77	5.00					

2 - The course was a valuable experience.

Response Option	Weight	Frequency	Percent	Percent Responses	Means															
Strongly Agree	(5)	16	94.12%		4.94	4.30	4.19	4.40												
Agree	(4)	1	5.88%																	
Undecided	(3)	0	0.00%																	
Disagree	(2)	0	0.00%																	
Strongly Disagree	(1)	0	0.00%																	
					0	25	50	100	Question	University Mean			College Mean			Department Mean				
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median					
17/29 (58.62%)	4.94	0.24	5.00	77071	4.30	0.98	5.00	7998	4.19	1.00	4.00	1065	4.40	0.84	5.00					

3 - The instructor, Alex Hainen, was an effective communicator. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means															
Strongly Agree	(5)	15	88.24%		4.88	4.40	4.20	4.38												
Agree	(4)	2	11.76%																	
Undecided	(3)	0	0.00%																	
Disagree	(2)	0	0.00%																	
Strongly Disagree	(1)	0	0.00%																	
					0	25	50	100	Question	University Mean			College Mean			Department Mean				
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median					
17/29 (58.62%)	4.88	0.33	5.00	82997	4.40	0.95	5.00	8279	4.20	1.05	5.00	1124	4.38	0.94	5.00					

4 - The instructor, Alex Hainen, was accessible to students. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means															
Strongly Agree	(5)	16	94.12%		4.94	4.47	4.32	4.45												
Agree	(4)	1	5.88%																	
Undecided	(3)	0	0.00%																	
Disagree	(2)	0	0.00%																	
Strongly Disagree	(1)	0	0.00%																	
					0	25	50	100	Question	University Mean			College Mean			Department Mean				
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median					
17/29 (58.62%)	4.94	0.24	5.00	82993	4.47	0.84	5.00	8275	4.32	0.89	5.00	1122	4.45	0.85	5.00					

University of Alabama
2022 Fall



Course: CE-451-001: Roadway Intersection Dsgn (CE 451/551-001)
Instructor: Alex Hainin *
Response Rate: 17/29 (58.62 %)

5 - The instructor, Alex Hainin, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	16	94.12%		4.94	4.54	4.40	4.52
Agree	(4)	1	5.88%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
17/29 (58.62%)	4.94	0.24	5.00	82909	4.54	0.79	5.00	8279	4.40	0.86	5.00	1124	4.52	0.79	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	12	70.59%		5.71	5.53	5.42	5.45
B	(5)	5	29.41%					
C	(4)	0	0.00%					
D	(3)	0	0.00%					
F	(2)	0	0.00%					
Other	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
17/29 (58.62%)	5.71	0.47	6.00	77001	5.53	0.79	6.00	7982	5.42	0.83	6.00	1063	5.45	0.76	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	13	76.47%		4.76	4.10	3.91	4.13
Above Average	(4)	4	23.53%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
17/29 (58.62%)	4.76	0.44	5.00	77057	4.10	1.03	4.00	7995	3.91	1.07	4.00	1063	4.13	0.93	4.00

8 - How would you rate the instructor, Alex Hainin, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	16	94.12%		4.88	4.32	4.14	4.30
Above Average	(4)	0	0.00%					
Average	(3)	1	5.88%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
17/29 (58.62%)	4.88	0.49	5.00	82899	4.32	0.98	5.00	8265	4.14	1.05	5.00	1120	4.30	0.95	5.00

University of Alabama
2022 Fall



Course: CE-451-001: Roadway Intersection Dsgn (CE 451/551-001)
Instructor: Alex Hainen *
Response Rate: 17/29 (58.62 %)

9 - How frequently did you attend class or access the online course?																																													
Response Option				Weight	Frequency	Percent	Percent Responses				Means																																		
Always				(5)	14	82.35%																																							
Usually				(4)	3	17.65%																																							
Often				(3)	0	0.00%																																							
Sometimes				(2)	0	0.00%																																							
Rarely				(1)	0	0.00%																																							
<table border="1"> <thead> <tr> <th>Response Rate</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>University Mean</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>College Mean</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>Department Mean</th> <th>Mean</th> <th>STD</th> <th>Median</th> </tr> </thead> <tbody> <tr> <td>17/29 (58.62%)</td> <td>4.82</td> <td>0.39</td> <td>5.00</td> <td>77081</td> <td>4.55</td> <td>0.80</td> <td>5.00</td> <td>8000</td> <td>4.54</td> <td>0.84</td> <td>5.00</td> <td>1064</td> <td>4.61</td> <td>0.72</td> <td>5.00</td> </tr> </tbody> </table>														Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median	17/29 (58.62%)	4.82	0.39	5.00	77081	4.55	0.80	5.00	8000	4.54	0.84	5.00	1064	4.61	0.72	5.00
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median																														
17/29 (58.62%)	4.82	0.39	5.00	77081	4.55	0.80	5.00	8000	4.54	0.84	5.00	1064	4.61	0.72	5.00																														

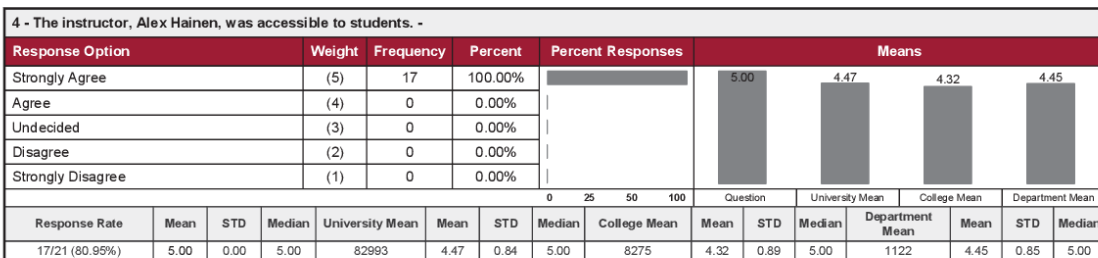
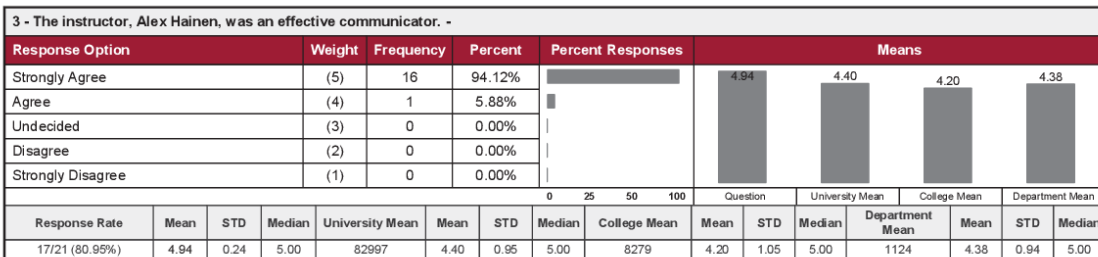
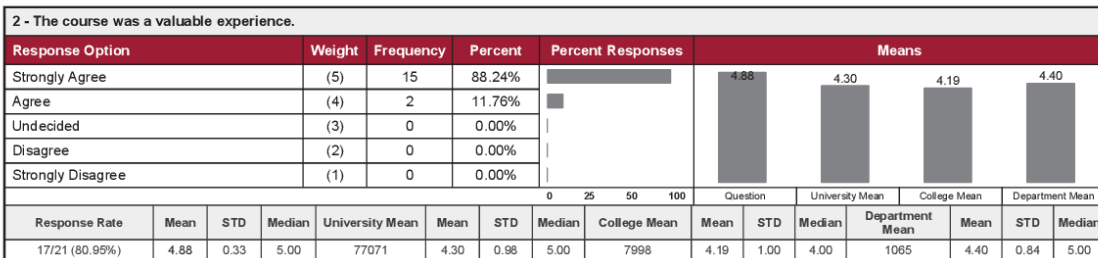
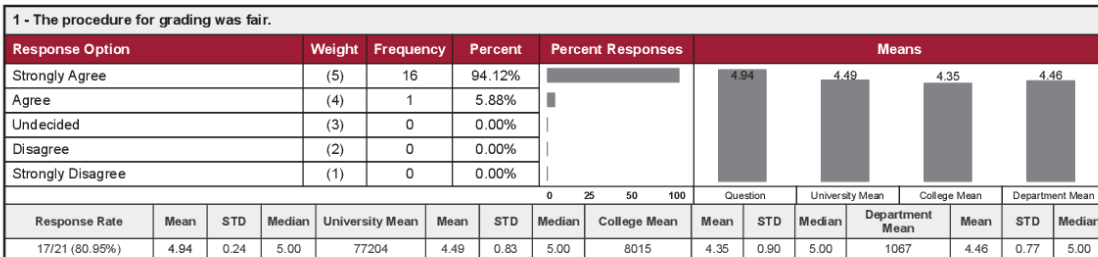
10 - Any additional comments about the instructor, Alex Hainen. -	
Response Rate	11/29 (37.93%)
<ul style="list-style-type: none"> • Thank you for taking time to walk through my project to make sure it was the best it could be. • Class with Dr. Hainen is always a great learning experience. In both the subject and just tid-bits of knowledge picked along the way. • Alex Hainene is remarkably passionate about this course and his students. He always took time to help and meet outside of class. • Dr. Hainen was oftentimes hard to follow in his lectures. He covered the material very fast and oftentimes talked about things that were unrelated to learning intersection design. He also never provided consistent feedback for grading. Other students would miss the same objectives in the lab assignments and he would not count off for others failing to complete the lab properly. He also was not afraid to embarrass students in the class for no reason at all sometimes. He has been the first professor I have had that truly disrespects students without reason. • Professor Hainen is dedicated to his students success and understanding of the course. This is hard to find in a professor and he does a great job of showing students he cares. His lectures are entertaining and he is a great presenter. I am so thankful to have had this course! • Dr. Hainen is an amazing professor and has my highest praise! His attitude and passion for his job is so encouraging as a young engineer and has truly been a huge spur forward! I will miss his class time, and hope that the University understands what an amazing asset he is to the College of Engineering! • Dr. Hainen is the best engineering professor on campus. He is always prepared for class and values his students' experience in the class. His vast knowledge and experience of real world transportation technologies and methods are one of the many things that make him such an excellent teacher. This is also noticeable since he knows what knowledge and skills are required to be a successful engineer in the real world. • One of the best professors I've ever had at UA. Super engaging and fun. He really enjoys what he teaches. • Great professor, always prepared for class, and always wanting to help students. • Dr. Hainen is a wonderful professor who cares a lot about education and the students. He is more than willing to be available to students at any time of day. He is very knowledgeable about the course material and knows how to convey that information to students in an interesting way. • Dr Hainen is always prepared for class and very knowledgeable. He is always available for students and makes this class fun to be in. He has real world applications for us to practice and has true intentions of preparing us for the real world. 	

11 - Any additional comments about the course.	
Response Rate	3/29 (10.34%)
<ul style="list-style-type: none"> • N/A • The Civil3D work in this course correlated well with Senior Design. This course is a great continuation of study of the CE 350 intro to transportation course. • good course! 	

University of Alabama
2022 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainen *
Response Rate: 17/21 (80.95 %)



University of Alabama
2022 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainen *
Response Rate: 17/21 (80.95 %)

5 - The instructor, Alex Hainen, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	16	94.12%		4.94	4.54	4.40	4.52
Agree	(4)	1	5.88%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
17/21 (80.95%)	4.94	0.24	5.00	82909	4.54	0.79	5.00	8279	4.40	0.86	5.00	1124	4.52	0.79	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	17	100.00%		6.00	5.53	5.42	5.45
B	(5)	0	0.00%					
C	(4)	0	0.00%					
D	(3)	0	0.00%					
F	(2)	0	0.00%					
Other	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
17/21 (80.95%)	6.00	0.00	6.00	77001	5.53	0.79	6.00	7982	5.42	0.83	6.00	1063	5.45	0.76	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	13	76.47%		4.76	4.10	3.91	4.13
Above Average	(4)	4	23.53%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
17/21 (80.95%)	4.76	0.44	5.00	77057	4.10	1.03	4.00	7995	3.91	1.07	4.00	1063	4.13	0.93	4.00

8 - How would you rate the instructor, Alex Hainen, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	16	94.12%		4.94	4.32	4.14	4.30
Above Average	(4)	1	5.88%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
17/21 (80.95%)	4.94	0.24	5.00	82899	4.32	0.98	5.00	8265	4.14	1.05	5.00	1120	4.30	0.95	5.00

University of Alabama
2022 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainen *
Response Rate: 17/21 (80.95 %)

9 - How frequently did you attend class or access the online course?																	
Response Option				Weight	Frequency	Percent	Percent Responses				Means						
Always				(5)	16	94.12%					4.94	4.55	4.54	4.61			
Usually				(4)	1	5.88%											
Often				(3)	0	0.00%											
Sometimes				(2)	0	0.00%											
Rarely				(1)	0	0.00%											
Response Rate		Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median	
17/21 (80.95%)		4.94	0.24	5.00	77081	4.55	0.80	5.00	8000	4.54	0.84	5.00	1064	4.61	0.72	5.00	

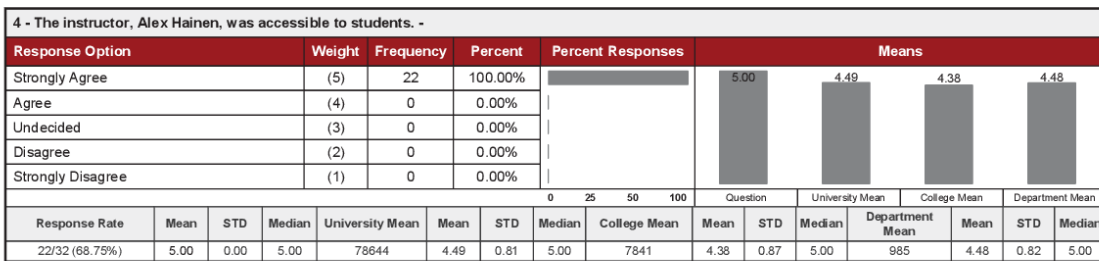
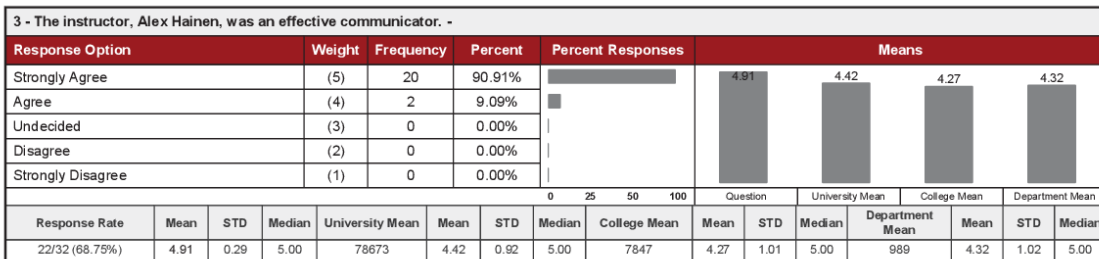
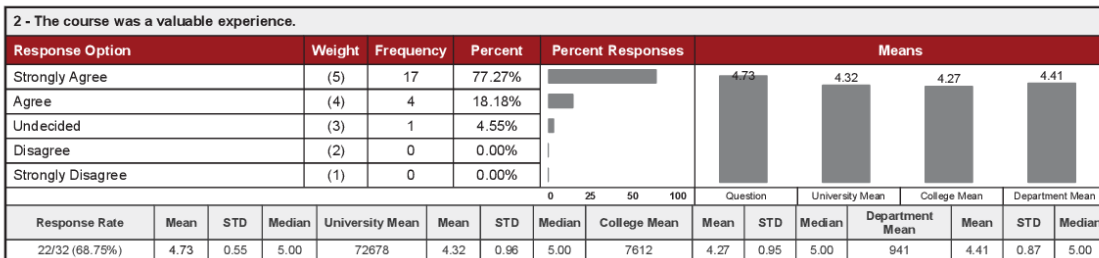
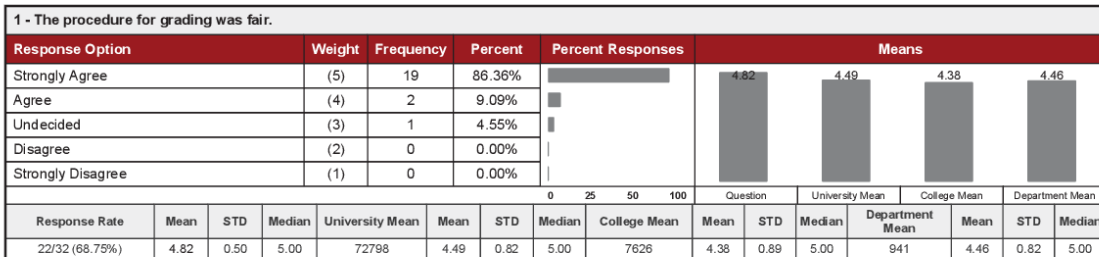
10 - Any additional comments about the instructor, Alex Hainen. -	
Response Rate	8/21 (38.1%)
<ul style="list-style-type: none"> • Dr.Alex is simply the best. Its a Privilege to learn from him. My only request is if he can speak slower, it would benefit international students much more. • I like the way you interpret every single detail in your own word. I like the intuitive examples and the hands-on exercise in class. • Dr. Hainen is a very enthusiastic instructor. He gave us a very impressive study process. • I think Dr Alex can sometimes be very emotional when teaching. • I like how Alex explains complex ideas using simple practical examples. • He is a great teacher. I had never taken a stats course, and this was hard for me but he was amawasya accessible and helpful. His teaching style is very engaging and I always felt the hour went by so quickly. • Dr.Hainen is a wonderful instructor with a good sense of purpose to lead the course in such a direction that is beneficial to have perfect understanding of the course. • Great instructor! 	

11 - Any additional comments about the course.	
Response Rate	5/21 (23.81%)
<ul style="list-style-type: none"> • The course is perfect. • Highly recommended. • This course is very useful, especially for the Ph.D. students like us. It provides us with a powerful tool for statical analysis in our research. • The course outline appears to be too much to cover in one semester. Understanding fully in the classroom is almost impossible, I always have to refer back to the textbook for a better understanding. • The course is great and I'm glad it's required. Everyone should know stats, we all use it. I'd recommend everyone should take this class. The applied nature of the class was very helpful. Since it wasn't heavy on theory, and only gave us what we required it was not boring and math heavy as well 	

University of Alabama
2022 Spring



Course: CE-458-320: Traffic Engineering (CE 458-320/558-001)
Instructor: Alex Hainen *
Response Rate: 22/32 (68.75 %)



University of Alabama
2022 Spring



Course: CE-458-320: Traffic Engineering (CE 458-320/558-001)
Instructor: Alex Hainin *
Response Rate: 22/32 (68.75 %)

5 - The instructor, Alex Hainin, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	20	90.91%		4.91	4.57	4.46	4.58
Agree	(4)	2	9.09%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/32 (68.75%)	4.91	0.29	5.00	78600	4.57	0.75	5.00	7837	4.46	0.82	5.00	989	4.58	0.72	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	17	77.27%		5.77	5.52	5.44	5.48
B	(5)	5	22.73%					
C	(4)	0	0.00%					
D	(3)	0	0.00%					
F	(2)	0	0.00%					
Other	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/32 (68.75%)	5.77	0.43	6.00	72842	5.52	0.78	6.00	7595	5.44	0.83	6.00	939	5.48	0.75	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	16	72.73%		4.73	4.13	3.99	4.17
Above Average	(4)	6	27.27%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/32 (68.75%)	4.73	0.46	5.00	72896	4.13	1.00	4.00	7618	3.99	1.03	4.00	941	4.17	0.97	4.00

8 - How would you rate the instructor, Alex Hainin, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	19	86.36%		4.86	4.35	4.21	4.30
Above Average	(4)	3	13.64%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/32 (68.75%)	4.86	0.35	5.00	78598	4.35	0.95	5.00	7849	4.21	1.01	5.00	988	4.30	1.01	5.00

University of Alabama
 2022 Spring



Course: CE-458-320: Traffic Engineering (CE 458-320/558-001)
Instructor: Alex Hainen *
Response Rate: 22/32 (68.75 %)

9 - How frequently did you attend class or access the online course?																	
Response Option				Weight	Frequency	Percent	Percent Responses				Means						
Always				(5)	20	90.91%					4.91	4.49	4.49	4.53			
Usually				(4)	2	9.09%											
Often				(3)	0	0.00%											
Sometimes				(2)	0	0.00%											
Rarely				(1)	0	0.00%											
0 25 50 100 Question University Mean College Mean Department Mean																	
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median		
22/32 (68.75%)	4.91	0.29	5.00	72667	4.49	0.86	5.00	7623	4.49	0.89	5.00	940	4.53	0.80	5.00		

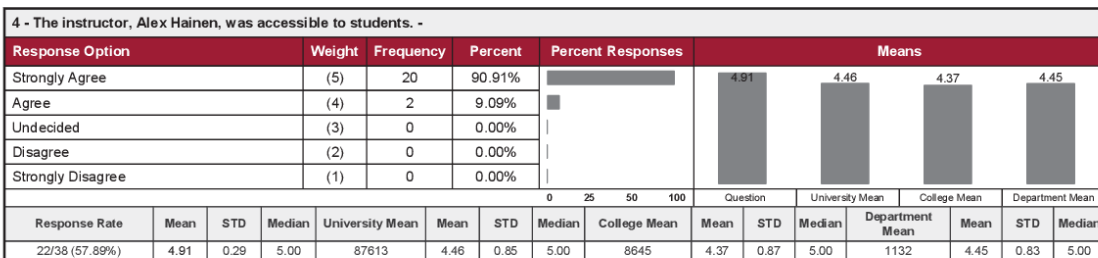
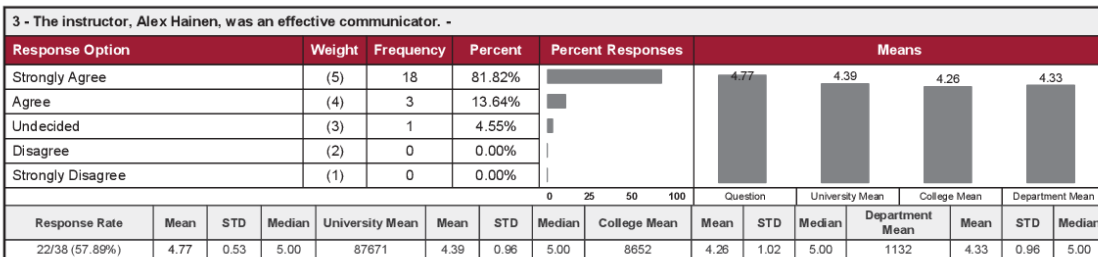
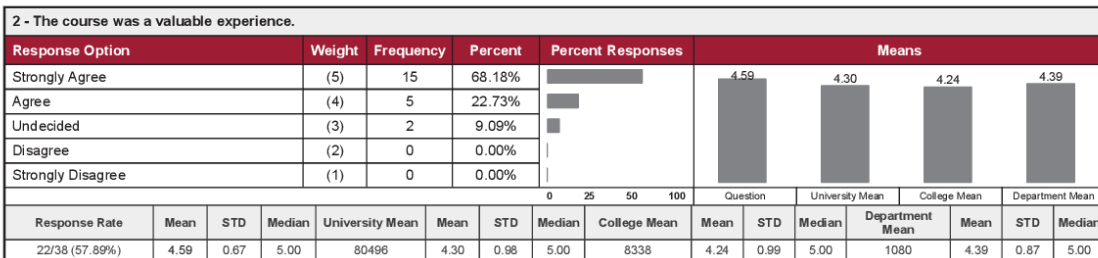
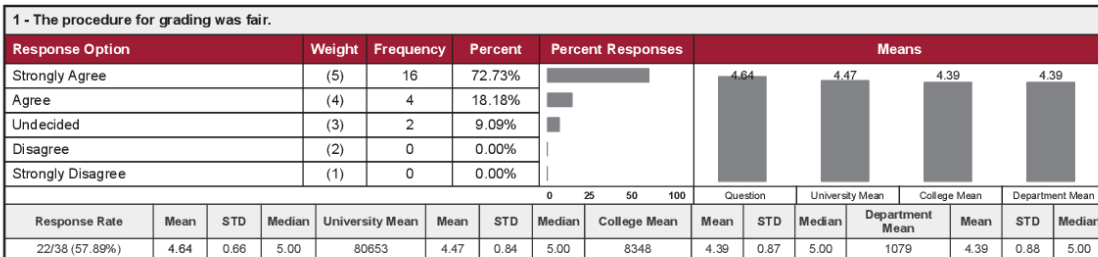
10 - Any additional comments about the instructor, Alex Hainen. -	
Response Rate	15/32 (46.88%)
<ul style="list-style-type: none"> • Best professor at UA in my opinion. You will not find someone here that cares more about his students. • Dr. Hainen provided great opportunities in class to gain real world knowledge and skills. Even if I do not work in the traffic industry I will take many different things with me from this course. • I really appreciated your enthusiasm and found the youtube videos very helpful on the labs. • Dr. Hainen has cemented his position as my favorite instructor at The University of Alabama. He is the reason I chose to have a transportation minor when my career path is set in construction. I would highly recommend him to all students (in the engineering profession or not) so they can experience a professor who is so passionate about their material that it is contagious. Many professors always suggest the importance of lifelong learning. Dr. Hainen embodies it. He motivates all his students to have the desire to learn more. In addition to this, he is extremely accessible to students with any questions or concerns that arise and is always positive and open-minded. • Hainen has probably been the most accessible professor I have had at UA. He has a genuine passion for what he teaches which makes in way more easier to pay attention and stay involved in the course. He is also very understanding and flexible. • Awesome Professor, would take over and over again. Alex loves his Job. • How do I even begin?! Mr. Hainen absolutely loves his job at UA and his love for the field of traffic engineering is contagious. He is so knowledgeable about everything traffic related that it is hard to fathom. He maintains high energy in the classroom and creates an engaging learning environment for his students. He is the most accessible professor I have ever had, and is available to his student by email, text or call at any hour of the day. He truly wants his students to succeed, I do not know what negative attributes someone could say about him. If anyone has something negative to say I would argue that those students did not put in effort or any care at all! • Easiest professor to get in touch with! No doubt! • Best teacher I have ever had. The most accessible teacher I have ever had. Favorite teacher I have ever had. Taught us what he believed would be in our own best interest. • great professor, always available to help, even with other course's material, if you had an issue with autocad civil 3d, moreoften than not he had an answer, he is helpful for issues in any and all microsoft office software. just a great professor. • He is a great teacher that really cares about his students during and post class. Not many people take the time to be available always to students. • Dr. Hainen is an awesome professor who tries to get everyone involved during class. He takes time to discuss relevant things that he deals with on a daily basis to help us realize real world applications. He is always available any time of the day to answer questions and even gives us his personal cell number. You can tell he wants us to succeed. I don't particularly agree with his participation deduction multiplier. As students who pay to be here, it is frustrating to have to worry about missing one or two classes and getting a significant part of your grade taken away. As a student I want to be as involved as possible so I attend all of my classes regularly and should not have to be forced to come. I do understand some of his reasoning but it seems a bit extreme. • Very knowledgeable instructor in his field. Very accessible to students and always willing to help. • Dr. Haiene is extremely experienced in traffic engineering. He has shown and shared way beyond just the text book knowledge. This class is very helpful for students who are going to the traffic industry in the future. • Keep up the good work. 	

11 - Any additional comments about the course.	
Response Rate	7/32 (21.88%)
<ul style="list-style-type: none"> • N/A • 10/10 would recommend. • I felt very stressed at the end of the semester especially considering this was not my only final class project. Perhaps mentioning the final project earlier in the year for people to have a chance at working on it despite maybe not having all the necessary knowledge to complete it yet would be very beneficial to some. I know I could have at least gotten started on the formatting and a few of the objectives of the writing portion earlier relieving me of some stress. • very interesting course, I enjoyed it greatly, when taking ce 350 I would have told you transportation was interesting but not for me. This course and the professor have showed me how interesting and cutting edge transportation can be. great course with a great professor. • It felt like the work load was sort of a surprise. In the beginning of the year there are no tests or homework but there are many time consuming labs. • The assignments in this class are all labs and take a significant time to complete. No test helps understand this more. • The Vistro labs felt rushed. I was so busy at the time with other classes that I could not put forth the effort that the labs deserve. If the labs were introduced sooner in the semester then I believe that would solve the "rushed" issue. 	

University of Alabama
2021 Fall



Course: CE-451-001: Roadway Intersection Dsgn (CE 451/551-001)
Instructor: Alex Hainen *
Response Rate: 22/38 (57.89 %)



University of Alabama
2021 Fall



Course: CE-451-001: Roadway Intersection Dsgn (CE 451/551-001)
Instructor: Alex Hainin *
Response Rate: 22/38 (57.89 %)

5 - The instructor, Alex Hainin, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	21	95.45%		4.95	4.53	4.42	4.49
Agree	(4)	1	4.55%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/38 (57.89%)	4.95	0.21	5.00	87593	4.53	0.79	5.00	8640	4.42	0.86	5.00	1132	4.49	0.82	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	10	45.45%		5.32	5.51	5.39	5.35
B	(5)	9	40.91%					
C	(4)	3	13.64%					
D	(3)	0	0.00%					
F	(2)	0	0.00%					
Other	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/38 (57.89%)	5.32	0.72	5.00	80413	5.51	0.80	6.00	8330	5.39	0.89	6.00	1080	5.35	0.82	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	16	72.73%		4.64	4.09	3.97	4.12
Above Average	(4)	4	18.18%					
Average	(3)	2	9.09%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/38 (57.89%)	4.64	0.66	5.00	80472	4.09	1.03	4.00	8333	3.97	1.04	4.00	1080	4.12	0.98	4.00

8 - How would you rate the instructor, Alex Hainin, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	19	86.36%		4.77	4.31	4.19	4.26
Above Average	(4)	1	4.55%					
Average	(3)	2	9.09%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/38 (57.89%)	4.77	0.61	5.00	87585	4.31	0.97	5.00	8649	4.19	1.03	5.00	1131	4.26	0.99	5.00

University of Alabama
 2021 Fall



Course: CE-451-001: Roadway Intersection Dsgn (CE 451/551-001)
Instructor: Alex Hainen *
Response Rate: 22/38 (57.89 %)

9 - How frequently did you attend class or access the online course?															
Response Option				Weight	Frequency	Percent	Percent Responses				Means				
Always				(5)	18	81.82%					4.77	4.50	4.53	4.51	
Usually				(4)	3	13.64%									
Often				(3)	1	4.55%									
Sometimes				(2)	0	0.00%									
Rarely				(1)	0	0.00%									
0 25 50 100															
							Question	University Mean	College Mean	Department Mean					
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
22/38 (57.89%)	4.77	0.53	5.00	80502	4.50	0.85	5.00	8338	4.53	0.85	5.00	1079	4.51	0.81	5.00

10 - Any additional comments about the instructor, Alex Hainen. -	
Response Rate	9/38 (23.68%)
<ul style="list-style-type: none"> • Professor Hainen exemplifies what it means to be accessible to students. I cannot give him enough credit for his dedication to helping students learn about transportation engineering. He has answered any question or concern I have had about homework in a swift manner. He demonstrated how each lecture and criteria was applicable to intersection design. I would recommend Professor Hainen to anyone. • Very good instructor. • Would have appreciated more feedback/critique on the homework assignments. • He is one of the most caring and intelligent professors I have ever had the opportunity to learn from. He genuinely cares about his students learning the material and great at teaching the material and reminding us of the importance of our education in our future careers. • great professor, made for an interesting course. • Dr. Hainen goes above and beyond for his students. I don't think I have ever had a professor care for his students as much as Dr. Hainen. • Great professor who cares about what he teaches. • Professor Hainen is an amazing professor. he is really passionate about what he teaches but also cares for his students. • Awesome class genuinely one of this best I have had here at UA. I learned a lot not just about equations and numbers but real life application and software. 	

11 - Any additional comments about the course.	
Response Rate	4/38 (10.53%)
<ul style="list-style-type: none"> • If I had to change anything about this course, it would be the participation grade. I know he spoke on this topic before and explained that it was difficult to measure how attentive a student was during the class. However, I am one of those student's who finds the requirement to ask questions daunting. I am very attentive and even provide the solution in my head, but I lack the courage to sometimes say it out loud. • While the subject matter didn't interest me that much, I found the course to be educational and engaging due to the instructor. • I'm glad I took this class. I wish design was more integrated into the CCEE curriculum. • The course is perfect. 	

University of Alabama
2021 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainen *
Response Rate: 9/19 (47.37 %)

1 - The procedure for grading was fair.

Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Strongly Agree	(5)	9	100.00%		5.00	4.47	4.39	4.39							
Agree	(4)	0	0.00%												
Undecided	(3)	0	0.00%												
Disagree	(2)	0	0.00%												
Strongly Disagree	(1)	0	0.00%												
					0	25	50	100							
					Question	University Mean	College Mean	Department Mean							
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
9/19 (47.37%)	5.00	0.00	5.00	80653	4.47	0.84	5.00	8348	4.39	0.87	5.00	1079	4.39	0.88	5.00

2 - The course was a valuable experience.

Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Strongly Agree	(5)	6	66.67%		4.67	4.30	4.24	4.39							
Agree	(4)	3	33.33%												
Undecided	(3)	0	0.00%												
Disagree	(2)	0	0.00%												
Strongly Disagree	(1)	0	0.00%												
					0	25	50	100							
					Question	University Mean	College Mean	Department Mean							
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
9/19 (47.37%)	4.67	0.50	5.00	80496	4.30	0.98	5.00	8338	4.24	0.99	5.00	1080	4.39	0.87	5.00

3 - The instructor, Alex Hainen, was an effective communicator. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Strongly Agree	(5)	6	66.67%		4.67	4.39	4.26	4.33							
Agree	(4)	3	33.33%												
Undecided	(3)	0	0.00%												
Disagree	(2)	0	0.00%												
Strongly Disagree	(1)	0	0.00%												
					0	25	50	100							
					Question	University Mean	College Mean	Department Mean							
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
9/19 (47.37%)	4.67	0.50	5.00	87671	4.39	0.96	5.00	8652	4.26	1.02	5.00	1132	4.33	0.96	5.00

4 - The instructor, Alex Hainen, was accessible to students. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Strongly Agree	(5)	7	77.78%		4.78	4.46	4.37	4.45							
Agree	(4)	2	22.22%												
Undecided	(3)	0	0.00%												
Disagree	(2)	0	0.00%												
Strongly Disagree	(1)	0	0.00%												
					0	25	50	100							
					Question	University Mean	College Mean	Department Mean							
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
9/19 (47.37%)	4.78	0.44	5.00	87613	4.46	0.85	5.00	8645	4.37	0.87	5.00	1132	4.45	0.83	5.00

University of Alabama
2021 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainen *
Response Rate: 9/19 (47.37%)

5 - The instructor, Alex Hainen, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	6	66.67%		4.67	4.53	4.42	4.49
Agree	(4)	3	33.33%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
9/19 (47.37%)	4.67	0.50	5.00	87593	4.53	0.79	5.00	8640	4.42	0.86	5.00	1132	4.49	0.82	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	9	100.00%		6.00	5.51	5.39	5.35
B	(5)	0	0.00%					
C	(4)	0	0.00%					
D	(3)	0	0.00%					
F	(2)	0	0.00%					
Other	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
9/19 (47.37%)	6.00	0.00	6.00	80413	5.51	0.80	6.00	8330	5.39	0.89	6.00	1080	5.35	0.82	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	5	55.56%		4.56	4.09	3.97	4.12
Above Average	(4)	4	44.44%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
9/19 (47.37%)	4.56	0.53	5.00	80472	4.09	1.03	4.00	8333	3.97	1.04	4.00	1080	4.12	0.98	4.00

8 - How would you rate the instructor, Alex Hainen, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	5	55.56%		4.56	4.31	4.19	4.26
Above Average	(4)	4	44.44%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
9/19 (47.37%)	4.56	0.53	5.00	87585	4.31	0.97	5.00	8649	4.19	1.03	5.00	1131	4.26	0.99	5.00

University of Alabama
2021 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainen *
Response Rate: 9/19 (47.37 %)

9 - How frequently did you attend class or access the online course?																																													
Response Option				Weight	Frequency	Percent	Percent Responses				Means																																		
Always				(5)	7	77.78%					4.78	4.50	4.53	4.51																															
Usually				(4)	2	22.22%																																							
Often				(3)	0	0.00%																																							
Sometimes				(2)	0	0.00%																																							
Rarely				(1)	0	0.00%																																							
<table border="1"> <thead> <tr> <th>Response Rate</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>University Mean</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>College Mean</th> <th>Mean</th> <th>STD</th> <th>Median</th> <th>Department Mean</th> <th>Mean</th> <th>STD</th> <th>Median</th> </tr> </thead> <tbody> <tr> <td>9/19 (47.37%)</td> <td>4.78</td> <td>0.44</td> <td>5.00</td> <td>80502</td> <td>4.50</td> <td>0.85</td> <td>5.00</td> <td>8338</td> <td>4.53</td> <td>0.85</td> <td>5.00</td> <td>1079</td> <td>4.51</td> <td>0.81</td> <td>5.00</td> </tr> </tbody> </table>														Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median	9/19 (47.37%)	4.78	0.44	5.00	80502	4.50	0.85	5.00	8338	4.53	0.85	5.00	1079	4.51	0.81	5.00
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median																														
9/19 (47.37%)	4.78	0.44	5.00	80502	4.50	0.85	5.00	8338	4.53	0.85	5.00	1079	4.51	0.81	5.00																														

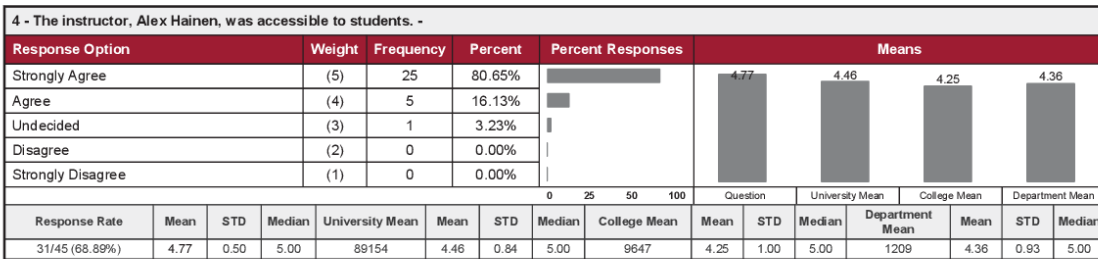
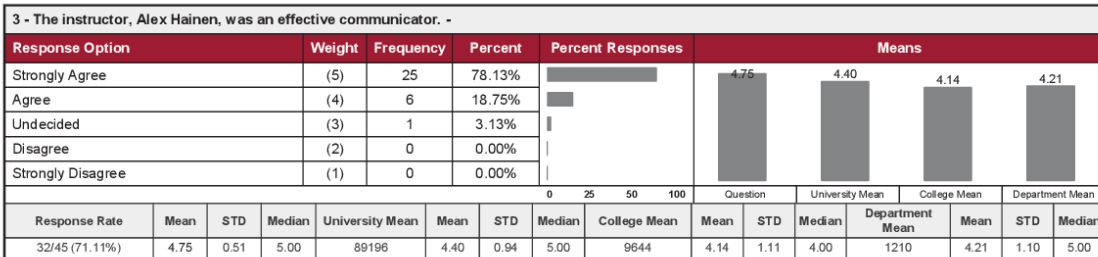
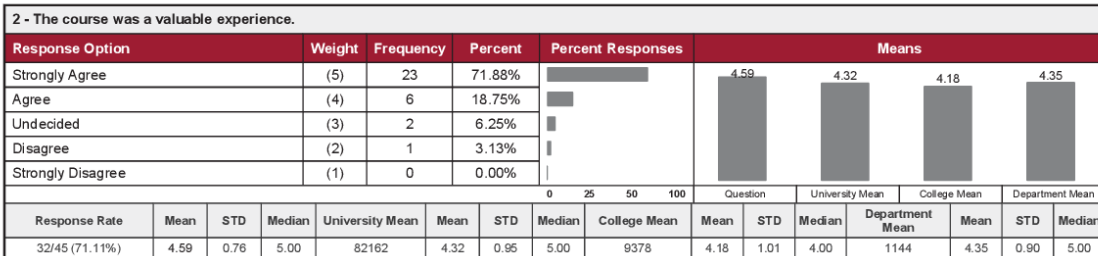
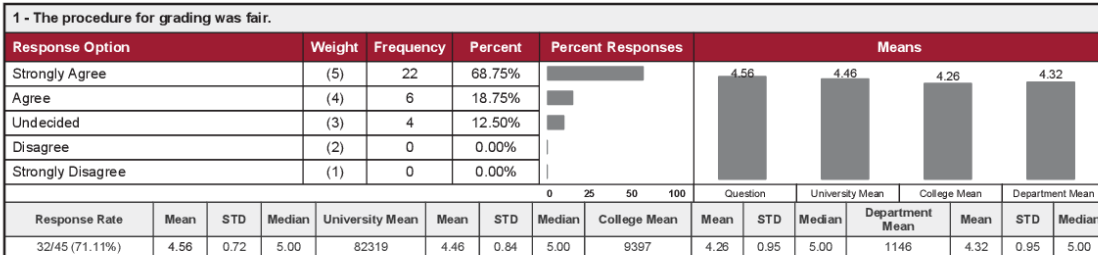
10 - Any additional comments about the instructor, Alex Hainen. -	
Response Rate	4/19 (21.05%)
<ul style="list-style-type: none"> • Professor Alex class is as very engaging, he understood our dull and stressful the class could have been and he did his best to make it the class as fun as possible and also went out of his way to help us understand. • Very upbeat and passionate about the subject material. Brings positive energy to otherwise somewhat boring topic. Very fair grading and assignments. • He is good instructor and knows how to carry the class along. • Dr. Hainen is a passionate professor 	

11 - Any additional comments about the course.	
Response Rate	3/19 (15.79%)
<ul style="list-style-type: none"> • Need to make powerpoints able to be completed in the class time. Really appreciate the time allowed for exams and homework. • 50 minutes each day can make the lecturer to rush but if it can be rescheduled for 1hour 15 mins for two days in a week. • Enjoyed taking this course 	

University of Alabama
2021 Spring



Course: CE-458-320: Traffic Engineering (CE 458/558-320)
Instructor: Alex Hainen *
Response Rate: 32/45 (71.11 %)



University of Alabama
2021 Spring



Course: CE-458-320: Traffic Engineering (CE 458/558-320)
Instructor: Alex Hainen *
Response Rate: 32/45 (71.11 %)

5 - The instructor, Alex Hainen, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	23	71.88%		4.69	4.53	4.32	4.44
Agree	(4)	8	25.00%					
Undecided	(3)	1	3.13%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
32/45 (71.11%)	4.69	0.54	5.00	89135	4.53	0.78	5.00	9647	4.32	0.94	5.00	1212	4.44	0.84	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	22	68.75%		5.66	5.51	5.31	5.32
B	(5)	9	28.13%					
C	(4)	1	3.13%					
D	(3)	0	0.00%					
F	(2)	0	0.00%					
Other	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
32/45 (71.11%)	5.66	0.55	6.00	82070	5.51	0.81	6.00	9375	5.31	0.91	6.00	1145	5.32	0.84	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	21	65.63%		4.53	4.11	3.87	4.04
Above Average	(4)	7	21.88%					
Average	(3)	4	12.50%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
32/45 (71.11%)	4.53	0.72	5.00	82110	4.11	1.01	4.00	9364	3.87	1.08	4.00	1140	4.04	0.99	4.00

8 - How would you rate the instructor, Alex Hainen, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	27	84.38%		4.75	4.32	4.07	4.17
Above Average	(4)	2	6.25%					
Average	(3)	3	9.38%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
32/45 (71.11%)	4.75	0.62	5.00	89140	4.32	0.95	5.00	9648	4.07	1.09	4.00	1212	4.17	1.05	5.00

University of Alabama
2021 Spring



Course: CE-458-320: Traffic Engineering (CE 458/558-320)
Instructor: Alex Hainen *
Response Rate: 32/45 (71.11 %)

9 - How frequently did you attend class or access the online course?															
Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Always	(5)	26	81.25%		4.78	4.51	4.46	4.45							
Usually	(4)	5	15.63%												
Often	(3)	1	3.13%												
Sometimes	(2)	0	0.00%												
Rarely	(1)	0	0.00%												
				0 25 50 100	Question	University Mean	College Mean	Department Mean							
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
32/45 (71.11%)	4.78	0.49	5.00	82136	4.51	0.85	5.00	9381	4.46	0.92	5.00	1143	4.45	0.85	5.00

10 - Any additional comments about the instructor, Alex Hainen. -	
Response Rate	19/45 (42.22%)
<ul style="list-style-type: none"> • Excellent professor. Really passionate about the class and course material therefore making it more enjoyable. Made sure assignments were always very clear and could be accessed 24/7 with any questions regarding lecture or labs. • One of the best professors I've ever had! UA is lucky to have him • Most down to Earth, exciting professor I've had in a while. Keep up the great work. • This was my favorite course I took this semester, I loved the energy Dr. Hainen would bring to every class • Great instructor!!! appreciate his willingness to help at anytime. He always goes above and beyond to make sure we are getting the most out of his courses. • He is a nice and cool guy but in class he is all over the place that it makes it hard to keep up with what we are doing. I like that he always us outside the classroom and to do field labs. He is always available to students no matter what time of day. He does seem to be a little hard on grading and sometimes the comments can be taken a little mean. overall would take this class again. • I loved being in this class and though I didn't have much of an interest in traffic engineering at the start of the semester, his passion about these subjects made me want to go into this industry. • Dr. Hainen is extremely enthusiastic about the material which makes it exciting! He discussing interesting, real life products and projects rather than using a formulaic, textbook approach, which is a welcome decision. He is available to students at any time of the day and responds almost instantly. Amazing Instructor! • You can tell from the way that he teaches this class that traffic engineering is his passion. The energy that he brings everyday to class is contagious, and it kept me engaged the entire time. • Extremely passionate about all things concerning transportation, have had him for two semesters and each time has been great, very willing to help on anything and work with students around senior design, or simply life. Very grateful for this past year of having him as an instructor • Professor Hainen was an awesome professor. Definitely one of the best I have taken at the University. I appreciated his attitude throughout the semester, and how he handled any situation. You can tell that he cares about the students, which is a huge deal to me. Note: Professor Hainen is going to do big things for the State of Alabama one day. • Very nice guy. Cares about his students. Always helpful. • Dr. Hainen is very concerned with preparing his students for the ever changing/evolving world of traffic engineering and helps to equip them with modern tools and techniques to assist with the conversion of theory into praxis. • Hainen is great! Always responds to questions and made me excited about traffic. • This man should be the standard you hold your teachers too. He actually shows he cares about the student, which made us want to come and learn. He has a newborn, another job, and yet still puts in more effort than any of my other teachers. I want to take another one of his classes. Need more guys like this and less people doing your research. • He is a great instructor filled with passion for the course. • THE WORLDS BEST TEACHER! Dr.Hainen is a gem. He makes traffic engineering fun, applicable, and a valuable learning experience. There is no one better! • Alex Hainen is far and away the best professor that I have had in my collegiate career. His passion both for helping students and for the material he covers made even the most boring topics captivating. There were two things that Alex does that set him above any other instructor I have had - motivation and guidance. First, Mr. Hainen's attitude towards his assignments and lectures inspired me to try even harder to do well on the assignments. There were many times in this course where I wanted to submit mediocre work, but I put in the extra time and effort to do more because of the respect I have for this professor. • Dr. Hainen was extremely knowledgeable about the topics. His excitement for the material made a course that some may find uninteresting more entertaining and easier to learn and understand. One thing I admired was that unlike many professors I have had, he seemed to care more about preparing us for work after graduation, and less about making us memorize formulas that we would normally just be able to look up. Dr. Hainen has been one of my favorite professors of my academic career. 	

University of Alabama
2021 Spring



Course: CE-458-320: Traffic Engineering (CE 458/558-320)
Instructor: Alex Hainen *
Response Rate: 32/45 (71.11 %)

11 - Any additional comments about the course.

Response Rate	
9/45 (20%)	

- You should consider teaching this course with a "flipped classroom" approach. While all your lectures were interesting, I was the most engaged in your tangents and off-the-cuff stories, such as the self-driving vehicles and connected systems lecture. If you provided the "boring" facts and figures in a pre-recorded video to be watched before class, you could spend the entire lecture session working through labs and delving into the fun applications.
- What a great experience! I feel as if I learned so much from this course and it will 100% be beneficial to my professional career. My favorite part of this class was learning how to use all of the different types of software.
- the course is good and cool to learn about, unfortunately, I will not be using it for my job after college but was a fun engineering elective to take.
- The labs for the class took hours. There were a large amount of labs with coding. Most civils have not dealt with coding.
- This course included several field labs which were really fun! What is expected of us for assignments is outlined clearly.
- This course was one of my favorites. A lot of professors do not take the time to take the students out into the field, but Professor Hainen did. Being a senior, I greatly appreciated this since it allowed us to make memories with our classmates.
- The course has been an extremely valuable experience. I have been challenged to problem solve using software and tools that have helped me to understand the importance of ingenuity and presentation when communicating findings and demonstrating understanding of real world phenomena.
- I wish there was an aspect to this course about the future of traffic (like replacing intersections with roundabouts) or making traffic more environmentally friendly.
- I would not have thought that I would have been able to learn as many different program and methods as I did in this class. Hainen did an amazing job at providing as much help as was needed to learn. I felt so accomplished after every new lesson.

University of Alabama
2020 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainin *
Response Rate: 15/20 (75.00 %)

1 - The procedure for grading was fair.

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	11	78.57%		4.79	4.44	4.28	4.31
Agree	(4)	3	21.43%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
14/20 (70.00%)	4.79	0.43	5.00	91258	4.44	0.85	5.00	11636	4.28	0.96	5.00	1463	4.31	0.91	5.00

2 - The course was a valuable experience.

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	9	64.29%		4.64	4.30	4.20	4.37
Agree	(4)	5	35.71%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
14/20 (70.00%)	4.64	0.50	5.00	91062	4.30	0.96	5.00	11612	4.20	0.97	4.00	1457	4.37	0.86	5.00

3 - The instructor, Alex Hainin, was an effective communicator. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	10	66.67%		4.67	4.36	4.18	4.37
Agree	(4)	5	33.33%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
15/20 (75.00%)	4.67	0.49	5.00	99462	4.36	0.97	5.00	11993	4.18	1.06	5.00	1453	4.37	0.91	5.00

4 - The instructor, Alex Hainin, was accessible to students. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	13	86.67%		4.87	4.43	4.30	4.46
Agree	(4)	2	13.33%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
15/20 (75.00%)	4.87	0.35	5.00	99408	4.43	0.88	5.00	11993	4.30	0.92	5.00	1457	4.46	0.80	5.00

University of Alabama
2020 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainin *
Response Rate: 15/20 (75.00 %)

5 - The instructor, Alex Hainin, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	12	80.00%		4.80	4.48	4.35	4.54
Agree	(4)	3	20.00%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
15/20 (75.00%)	4.80	0.41	5.00	99358	4.48	0.82	5.00	11977	4.35	0.88	5.00	1457	4.54	0.77	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	14	93.33%		5.93	5.50	5.31	5.20
B	(5)	1	6.67%					
C	(4)	0	0.00%					
D	(3)	0	0.00%					
F	(2)	0	0.00%					
Other	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
15/20 (75.00%)	5.93	0.26	6.00	91003	5.50	0.84	6.00	11600	5.31	0.98	6.00	1454	5.20	0.95	5.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	10	66.67%		4.67	4.10	3.91	4.06
Above Average	(4)	5	33.33%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
15/20 (75.00%)	4.67	0.49	5.00	91010	4.10	1.01	4.00	11596	3.91	1.06	4.00	1453	4.06	0.96	4.00

8 - How would you rate the instructor, Alex Hainin, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	12	80.00%		4.80	4.29	4.11	4.28
Above Average	(4)	3	20.00%					
Average	(3)	0	0.00%					
Below Average	(2)	0	0.00%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
15/20 (75.00%)	4.80	0.41	5.00	99334	4.29	0.98	5.00	11965	4.11	1.05	4.00	1455	4.28	0.91	5.00

University of Alabama
2020 Fall



Course: CE-573-001: Statistical Applications
Instructor: Alex Hainen *
Response Rate: 15/20 (75.00 %)

9 - How frequently did you attend class or access the online course?																																												
Response Option				Weight	Frequency	Percent	Percent Responses				Means																																	
Always				(5)	8	53.33%					4.33	4.49	4.46	4.40																														
Usually				(4)	5	33.33%																																						
Often				(3)	1	6.67%																																						
Sometimes				(2)	1	6.67%																																						
Rarely				(1)	0	0.00%																																						
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Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median																													
15/20 (75.00%)	4.33	0.90	5.00	91046	4.49	0.88	5.00	11614	4.46	0.91	5.00	1461	4.40	0.85	5.00																													

10 - Any additional comments about the instructor, Alex Hainen. -	
Response Rate	7/20 (35%)
<ul style="list-style-type: none"> • Dr. Hainen was excellent at teaching this course. He presented the material in a way that was easy to understand and interesting. He was well prepared for class and clearly improved the course each semester. He did a great job of answering questions, encouraging participation and helping each student understand how the material was relevant to their research. He had very reasonable expectations of the students and assigned homework/exams that reflected the in class course material well while encouraging students to think beyond just the example problems. He is by far one of the best professors I have had throughout my undergraduate and graduate studies. • Thanks for teaching it, I liked the course. • Alex is awesome! He is so passionate about the material he teaches and it gets students excited to learn. He is always available for students when they need help. • Excellent in his work • I like his way of teaching • He was very enthusiastic and knowledgeable. Great instructor! • Wonderful professor! Really amazing communicator and flexible with course requirements and deadlines, especially considering the challenges this year has brought. Truly enjoyed his class and look forward to referencing the material or contacting him for help with presenting statistical data for my Master's thesis. 	

11 - Any additional comments about the course.	
Response Rate	4/20 (20%)
<ul style="list-style-type: none"> • when teaching new concepts, I would start with an example problem so students see how it applies to real life. It can be boring to learn all about the background first. It would also be great to see more minitab and excel at the beginning of course! You did show us how to use the software toward the end but throughout would be the most helpful. • Very helpful • I like this course so much • The course work was fair. 	

University of Alabama
2020 Fall



Course: CE-451-001: Roadway Intersection Dsgn
Instructor: Alex Hainen *
Response Rate: 26/42 (61.90 %)

1 - The procedure for grading was fair.

Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Strongly Agree	(5)	8	30.77%			3.73	4.44	4.28	4.31						
Agree	(4)	7	26.92%												
Undecided	(3)	8	30.77%												
Disagree	(2)	2	7.69%												
Strongly Disagree	(1)	1	3.85%												
					0	25	50	100	Question	University Mean	College Mean	Department Mean			
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
26/42 (61.90%)	3.73	1.12	4.00	91258	4.44	0.85	5.00	11636	4.28	0.96	5.00	1463	4.31	0.91	5.00

2 - The course was a valuable experience.

Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Strongly Agree	(5)	12	46.15%			4.15	4.30	4.20	4.37						
Agree	(4)	7	26.92%												
Undecided	(3)	6	23.08%												
Disagree	(2)	1	3.85%												
Strongly Disagree	(1)	0	0.00%												
					0	25	50	100	Question	University Mean	College Mean	Department Mean			
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
26/42 (61.90%)	4.15	0.92	4.00	91062	4.30	0.96	5.00	11612	4.20	0.97	4.00	1457	4.37	0.86	5.00

3 - The instructor, Alex Hainen, was an effective communicator. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Strongly Agree	(5)	13	50.00%			4.35	4.36	4.18	4.37						
Agree	(4)	10	38.46%												
Undecided	(3)	2	7.69%												
Disagree	(2)	1	3.85%												
Strongly Disagree	(1)	0	0.00%												
					0	25	50	100	Question	University Mean	College Mean	Department Mean			
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
26/42 (61.90%)	4.35	0.80	4.50	99462	4.36	0.97	5.00	11993	4.18	1.06	5.00	1453	4.37	0.91	5.00

4 - The instructor, Alex Hainen, was accessible to students. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means										
Strongly Agree	(5)	16	61.54%			4.58	4.43	4.30	4.46						
Agree	(4)	9	34.62%												
Undecided	(3)	1	3.85%												
Disagree	(2)	0	0.00%												
Strongly Disagree	(1)	0	0.00%												
					0	25	50	100	Question	University Mean	College Mean	Department Mean			
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
26/42 (61.90%)	4.58	0.58	5.00	99408	4.43	0.88	5.00	11993	4.30	0.92	5.00	1457	4.46	0.80	5.00

University of Alabama
2020 Fall



Course: CE-451-001: Roadway Intersection Dsgn
 Instructor: Alex Hainen *
 Response Rate: 26/42 (61.90 %)

5 - The instructor, Alex Hainen, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Strongly Agree	(5)	15	57.69%		4.58	4.48	4.35	4.54
Agree	(4)	11	42.31%					
Undecided	(3)	0	0.00%					
Disagree	(2)	0	0.00%					
Strongly Disagree	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
26/42 (61.90%)	4.58	0.50	5.00	99358	4.48	0.82	5.00	11977	4.35	0.88	5.00	1457	4.54	0.77	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
A	(6)	13	50.00%		5.15	5.50	5.31	5.20
B	(5)	6	23.08%					
C	(4)	5	19.23%					
D	(3)	2	7.69%					
F	(2)	0	0.00%					
Other	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
26/42 (61.90%)	5.15	1.01	5.50	91003	5.50	0.84	6.00	11600	5.31	0.98	6.00	1454	5.20	0.95	5.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	10	38.46%		3.96	4.10	3.91	4.06
Above Average	(4)	8	30.77%					
Average	(3)	5	19.23%					
Below Average	(2)	3	11.54%					
Failure	(1)	0	0.00%					

Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
26/42 (61.90%)	3.96	1.04	4.00	91010	4.10	1.01	4.00	11596	3.91	1.06	4.00	1453	4.06	0.96	4.00

8 - How would you rate the instructor, Alex Hainen, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means			
Excellent	(5)	11	44.00%		3.92	4.29	4.11	4.28
Above Average	(4)	4	16.00%					
Average	(3)	8	32.00%					
Below Average	(2)	1	4.00%					
Failure	(1)	1	4.00%					

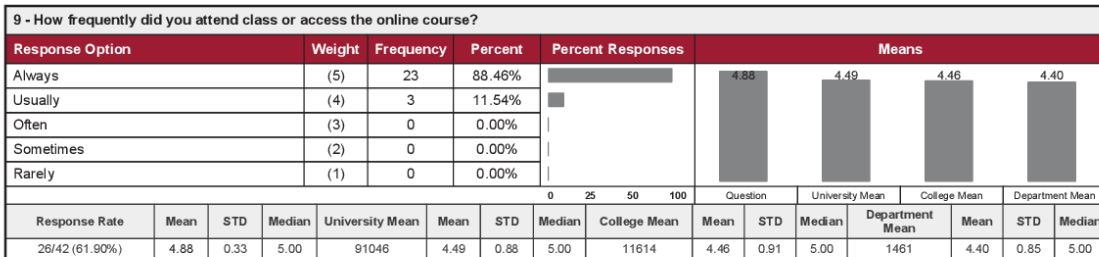
Response Rate	Mean	STD	Median	University Mean	Mean	STD	Median	College Mean	Mean	STD	Median	Department Mean	Mean	STD	Median
25/42 (59.52%)	3.92	1.15	4.00	99334	4.29	0.98	5.00	11965	4.11	1.05	4.00	1455	4.28	0.91	5.00

Note: I read these reviews December 16, 2020 at 12:23AM CST immediately after they were released. There was a known "band" of 10 students who finally made it to this course and grossly earned failing grades (I have given enough AutoCAD assignments to spot false work very quickly. One example: One of the students who earned a failing grade in this course had another person work his AutoCAD assignments and had no basic grasp of AutoCAD at all. It was an embarrassing Zoom session when I asked him to simply open his file and show me a dimension in the properties). The students who earned failing grades on the final project and for the course did not complete the comprehensive six-part Civil 3D lab. In other words, they failed to design a road (the name of the course is "Roadway and Intersection Design"). I received many emails on the December 15 asking me to "boost grades" or to "help with a little push". I, of course, did NOT accommodate any such requests (never have, never will). Many of the students in this band emailed and said they had walked across the stage, gotten out of leases, sold cars, and had plane tickets to their home country(ies). While I understand this is not what they wanted, there was nothing to be done. Unfortunately, the students had, indeed, earned their failing grades. I didn't sleep the rest of the night as I wondered what I could do better. For my own personal measure, I have estimated a revised instructor score which I believe is more reflective. I reached out to these students to offer help after the fact, but have not heard anything. I want the best for all of my students, but honest work is required.

University of Alabama
 2020 Fall



Course: CE-451-001: Roadway Intersection Dsgn
Instructor: Alex Hainen *
Response Rate: 26/42 (61.90%)



10 - Any additional comments about the instructor, Alex Hainen. -

Response Rate 15/42 (35.71%)

- Great communicator and keeps class interesting.
- Dr. Hainen is so passionate about engineering. You will learn a lot and he does not make the course so difficult that you can not do it on top of other hard courses. He works with students, especially in senior design. He is the best overall teacher I have had here.
- I have never met such a genuine professor as Dr.Hainen. He was ALWAYS willing to help and truly cares about his students learning and well being.
- He is awesome! So passionate and educated about what he does and wants all of his students to succeed. One of the best professors I've ever had.
- Alex Hainen is dedicated to his course and VERY well prepared.
- Dr. Hainen is a very good instructor, but I did not like the way the class was presented to the students.
- Alex was very behind on grading this semester which left us somewhat uneasy about what grades will be like.
- Professor Hainen is extremely passionate about what he teaches and is always available to help students. What he does not understand is how to communicate his teachings to students who are not transportation enthusiasts. Civil engineering is a broad subject and transportation is a critical component, but not everyone who takes this course is a transportation specialized major and a lot of the course work is extremely demanding. I have taken numerous courses on this campus and this class is too extensive and does not take into account other senior level courses being taken at the time.
- Was always confused on how the course would be graded, still unsure of my current grade due to waiting on over half my assignments to be graded
- Alex was a good professor. It was a tough semester giving the current state of the pandemic . There were many challenges but I believe Alex did the best he could.
- He was amazing this semester! Was always happy to help with anything.
- He was helpful and organized
- Prof. Hainen hit it outta the park again. One of my favorite professors at UA hands down. Always accommodating and helpful. I would recommend him to any CE student
- Alex is great guy and knows so much about highway and intersection design. However, he was not very clear on grading criteria nor very good with expectations for assignments. I honestly have no idea what grade to expect because I'm not sure how he will weight or grade our assignments.
- The in-person lectures were very enjoyable: not all of my courses allowed for in-person lectures.

11 - Any additional comments about the course. -

Response Rate 8/42 (19.05%)

- All AutoCad work should have examples like the final project on the steps to take. The beginning homeworks were hard. I do really like that AutoCad is in the course though and think this is very important for base knowledge and it's not too crazy hard to work the program.
- The participation log was not beneficial. I feel like people talk just to get credit instead of focusing on listening to lectures.
- It was a lot of work, but worth it. The CAD lab section is awesome.
- I learned quite a bit taking this course but I can not say that it was a good experience. This class would be much better if it narrowed in its focus more and allowed for more team collaboration.
- Most likely the course I learned the most real world applicable knowledge in at UA
- The course was ok. It was a lot more work than I expected and required a lot of me but it was a valuable experience.
- Course suffered due to COVID rules in labs and site visits, should add more guest speakers to make up for this. The one speaker we had was very interesting and I would have enjoyed more of them
- The Fall 2020 semester has been pretty tough. I have heard for other students that they were able to complete assignments quickly. For me, they have taken much longer. I cannot speak for others, but I think for the most part, assignments and coursework were challenging for most students too: as a result, I think everyone learnt very much regarding designing roads and how the industry operates. Much of the material, at least to me, was strongly reflective of transportation engineering in the real world. With that being said, I am glad the assignments were assigned for my education. I have learned so much regarding designing sites for civil engineering. In particular, the lectures, homework, and project pertaining to Civil 3D were a invaluable benefit to better understanding the software. It was invaluable in allowing me to complete much of the Civil 3D/AutoCAD work for CE 401-001 as well as other classes when drawings were needed. I am 100% confident that everything will be 100% complete.

University of Alabama
2020 Spring



Course: CE-458-320: Traffic Engineering
Instructor: Alexander Hainen *
Response Rate: 31/48 (64.58 %)

1 - The procedure for grading was fair.

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	27	87.10%		4.87	
Agree	(4)	4	12.90%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
31/48 (64.58%)				4.87	0.34	5.00

2 - The course was a valuable experience.

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	22	70.97%		4.65	
Agree	(4)	7	22.58%			
Undecided	(3)	2	6.45%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
31/48 (64.58%)				4.65	0.61	5.00

3 - The instructor, Alexander Hainen, was an effective communicator. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	27	87.10%		4.87	
Agree	(4)	4	12.90%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
31/48 (64.58%)				4.87	0.34	5.00

4 - The instructor, Alexander Hainen, was accessible to students. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	30	96.77%		4.97	
Agree	(4)	1	3.23%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
31/48 (64.58%)				4.97	0.18	5.00

University of Alabama
2020 Spring



Course: CE-458-320: Traffic Engineering
Instructor: Alexander Hainen *
Response Rate: 31/48 (64.58 %)

5 - The instructor, Alexander Hainen, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	29	93.55%		4.94	
Agree	(4)	2	6.45%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
31/48 (64.58%)				4.94	0.25	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
A	(6)	24	77.42%		5.55	
B	(5)	4	12.90%			
C	(4)	1	3.23%			
D	(3)	1	3.23%			
F	(2)	0	0.00%			
Other	(1)	1	3.23%			
Response Rate				Mean	STD	Median
31/48 (64.58%)				5.55	1.09	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Excellent	(5)	24	77.42%		4.74	
Above Average	(4)	6	19.35%			
Average	(3)	1	3.23%			
Below Average	(2)	0	0.00%			
Failure	(1)	0	0.00%			
Response Rate				Mean	STD	Median
31/48 (64.58%)				4.74	0.51	5.00

8 - How would you rate the instructor, Alexander Hainen, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Excellent	(5)	27	87.10%		4.87	
Above Average	(4)	4	12.90%			
Average	(3)	0	0.00%			
Below Average	(2)	0	0.00%			
Failure	(1)	0	0.00%			
Response Rate				Mean	STD	Median
31/48 (64.58%)				4.87	0.34	5.00

University of Alabama
 2020 Spring



Course: CE-458-320: Traffic Engineering
Instructor: Alexander Hainin *
Response Rate: 31/48 (64.58 %)

9 - How frequently did you attend class or access the online course?					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Always	(5)	28	90.32%		4.90
Usually	(4)	3	9.68%		
Often	(3)	0	0.00%		
Sometimes	(2)	0	0.00%		
Rarely	(1)	0	0.00%		
Response Rate			Mean	STD	Median
31/48 (64.58%)			4.90	0.30	5.00

10 - Any additional comments about the instructor, Alexander Hainin. -	
Response Rate	16/48 (33.33%)
<ul style="list-style-type: none"> • Very passionate about the class, one of the best professors I've had at UA. • Hainin is a great professor who truly cares about his work. He is a great teacher and keeps everyone engaged and learning during his lectures. • Alex is hands down one of the best teachers in the CE program. His teaching topics are a little more niche but he is most likely the most excited person when it comes to Traffic and Roadways. He goes through and teaches us how to turn Excel into a Video. He prerecorded the process and just suggests we watch the videos but it is the most helpful tool I think any of my teachers will leave me with outside of college. I have no idea why this man isn't in the field because I am quite sure he would own the Traffic field, HE IS A GENIUS!! • Hainin is the most easily accessible professor I've ever had. He's also probably the most enthusiastic professor I've had, which makes his lectures fun to listen to because he's so excited to talk about the material. • Professor Hainin was always accessible to us students if you asked him to be. He did a great job of designing the whole semester to build up our knowledge for the final project. Great experience all around. • Outstanding teacher who makes class enjoyable and exciting. • Professor Hainin is a great instructor. He is passionate about his job and clearly enjoys doing what he does. He made class exciting and interesting. When we switched to online courses he helped me personally multiple times over Zoom. • One of the best professors I have had. Love the energy you bring to the class and how you are always willing to help. Your passion for the class makes it so much more enjoyable. • Passionate and cares about his students • Hainin is a great professor who makes his classes as educational as passable. Everything Hainin assigns feels like it will be very applicable to my career down the road. • Great teacher and great communicator. The step by step process for labs was very helpful and the final project was a great introduction to the industry leading software. Really great class and Dr. Hainin is a great teacher. • He is the best professor I have had at Alabama. If every professor was like him then no one would ever miss a class. Here is able to understand how to communicate with students and he understands the students point of view exceptionally well. • The best in person to online transition hands down I had this semester. When above and beyond in every aspect I could ask for in a class. I look forward to having Hainin again next semester. Wish classes were longer to absorb even more of the great wealth of knowledge he has shared with us! • He was a phenomenal professor. He offered his phone number to us students be accessible as much as possible to help in any way possible. We have exchanged many emails and zoom calls trying to help me with my lack of technological ability. He was always excited, sometimes too excited and too energetic for me at 5pm in the afternoon after being in class all day, and I have the impression that he genuinely loves teaching us about transportation and everything he gets to do in his day to day job. • Professor Hainin is by far the most accessible professor I've had at the university. He will go above and beyond to help you with anything you may need. He is extremely intelligent and loves what he does. Although the material is not very interesting to me, he made it a very enjoyable experience. He is definitely one of my favorite professors on campus. • I can not say enough good things regarding Professor Hainin! He comes to EVERY class excited to teach. As a student, you feed off of this energy and look forward to learning. This class gave me an insight into what I want to do professionally and ultimately led to a position with ALDOT (which Professor Hainin helped me get). Professor Hainin also cares for his students. It is evident in the way he teaches, but also in the fact that he takes into consideration that we are in other classes. His class is also filled with real-life situations and examples. There have been multiple times I have driven through campus or around Tuscaloosa and noticed intersections we have discussed in class. How cool is that? By far one of the best professors I have had as a student at UA. I am so thankful I was in Traffic Engineering this semester! 10/10 would recommend this class to other students. 	

11 - Any additional comments about the course.	
Response Rate	7/48 (14.58%)
<ul style="list-style-type: none"> • Very helpful class. Makes you understand how Minutia processes can affect a much larger picture. This class makes you work hard and think. • I would rather get comfortable with two or three softwares (Excel, Vistro, etc) than have to download a different software each week and not actually understand how to use most of them outside of a lab setting. Each lab is interesting, but a majority of them I spent more time figuring out/downloading a software than actually learning about traffic. • The way Haines teaches this course, it should count as a computer credit. He gives lots of labs, most of which require students to download some new software to their computers, which can be complicated and time consuming. • I really enjoyed how we were able to use multiple computer programs for labs. I think this class would be more beneficial if we were able to use a program more than once. I think it would help give the student more experience with and make them more prepared for their future job. • Best CE course at UA • The most interesting CE course I have taken so far, inspired me to seek internships and careers in Traffic Engineering. Highly recommended to all CE's! • It will greatly help me post graduation as I have a job lined up with NC DOT. This class was a valuable class that taught me many things. 	

University of Alabama
2019 Fall On-Campus



Course: CE-451-001: Roadway Intersection Dsgn
Instructor: Alexander Hainen *
Response Rate: 38/46 (82.61 %)

1 - The procedure for grading was fair.

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	30	78.95%		4.79	
Agree	(4)	8	21.05%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
38/46 (82.61%)				4.79	0.41	5.00

2 - The course was a valuable experience.

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	31	81.58%		4.82	
Agree	(4)	7	18.42%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
38/46 (82.61%)				4.82	0.39	5.00

3 - The instructor, Alexander Hainen, was an effective communicator. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	34	89.47%		4.89	
Agree	(4)	4	10.53%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
38/46 (82.61%)				4.89	0.31	5.00

4 - The instructor, Alexander Hainen, was accessible to students outside of class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	30	78.95%		4.74	
Agree	(4)	7	18.42%			
Undecided	(3)	0	0.00%			
Disagree	(2)	1	2.63%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
38/46 (82.61%)				4.74	0.60	5.00

University of Alabama
2019 Fall On-Campus



Course: CE-451-001: Roadway Intersection Dsgn
Instructor: Alexander Hainen *
Response Rate: 38/46 (82.61 %)

5 - The instructor, Alexander Hainen, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	34	89.47%		4.89	
Agree	(4)	4	10.53%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
38/46 (82.61%)				4.89	0.31	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
A	(6)	33	86.84%		5.87	
B	(5)	5	13.16%			
C	(4)	0	0.00%			
D	(3)	0	0.00%			
F	(2)	0	0.00%			
Other	(1)	0	0.00%			
Response Rate				Mean	STD	Median
38/46 (82.61%)				5.87	0.34	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Excellent	(5)	28	75.68%		4.73	
Above Average	(4)	8	21.62%			
Average	(3)	1	2.70%			
Below Average	(2)	0	0.00%			
Failure	(1)	0	0.00%			
Response Rate				Mean	STD	Median
37/46 (80.43%)				4.73	0.51	5.00

8 - How would you rate the instructor, Alexander Hainen, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Excellent	(5)	34	89.47%		4.89	
Above Average	(4)	4	10.53%			
Average	(3)	0	0.00%			
Below Average	(2)	0	0.00%			
Failure	(1)	0	0.00%			
Response Rate				Mean	STD	Median
38/46 (82.61%)				4.89	0.31	5.00

University of Alabama
2019 Fall On-Campus



Course: CE-451-001: Roadway Intersection Dsgn
Instructor: Alexander Hainin *
Response Rate: 38/46 (82.61 %)

9 - How frequently did you attend class?						
Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Always	(5)	35	92.11%		4.92	
Usually	(4)	3	7.89%			
Often	(3)	0	0.00%			
Sometimes	(2)	0	0.00%			
Rarely	(1)	0	0.00%			
Response Rate				Mean	STD	Median
38/46 (82.61%)				4.92	0.27	5.00

10 - Any additional comments about the instructor, Alexander Hainin. -	
Response Rate	16/46 (34.78%)
<ul style="list-style-type: none"> • He is great and have loved every class I have had with him • None • One of the best professors I've ever had. He made the entire class one of the most beneficial experiences I've had here. • Professor Hainin is very enthusiastic about transportation. • Made some very complex information approachable for students, I didn't feel overwhelmed by what would usually be overwhelming topics like spiral curves. Preparation for class, communication within class, and overall caring for student's learning the material and future is second to none at UA. Great instructor! • Very personal and really cares for his students and wants to make sure they learn the material he presents. Upbeat and seemingly happy always makes it very easy to learn from him. Looking forward to taking CE458 with him in the spring. • You're always super energetic which makes class more exciting. • he's great • The lab is by far the best part of this class. Hainin is super helpful in recommending resources and software. • Dr. Hainin has such a bright and entertaining personality which carries over into how he teaches and makes class more enjoyable. One of the very few professors that I've had whom reveals his true passion about his profession and it keeps my attention at all times. Overall, Dr. Hainin wants the best for all of his students and encourages them to chase whatever they are passionate about. • Great professor just a little busy this semester. • Very passionate about material • Professor Hainin is an excellent instructor. He always had a contagious enthusiasm and energy that made learning and attending his class engaging and entertaining. I feel that I learned a lot, and I hope that I am prepared for the relevant portions of the FE and PE. • Dr. Hainin does a great job at relating all of the material in class to real-world examples. He makes class very interesting and obviously cares about his students and their success very much. • Easily one of the best, and one of my most favorite, professors at the University • Alex Hainin is a fantastic professor. He cares so much about the topic and his students, he teaches the material very well and is a very fair grader. 	

11 - Any additional comments about the course.	
Response Rate	10/46 (21.74%)
<ul style="list-style-type: none"> • None • It is not fair to only be allowed to miss one class. That is too extreme, especially with seniors working and illnesses. • Thanks for making such a useful course. • I would like to have had another midterm exam and possibly dropped the weight of the final and the project a few points. Otherwise, very valuable class that gives real insight as to what we could be doing day 1 on the job. • I didn't like having a lab memo due after every class towards the end of the semester. I think having one per week to talk about both the labs would be better. • The lab is great. • Was highly beneficial to me for Capstone Design, specifically when designing intersections and turn lanes using AutoCAD Civil 3D software. • The attendance was done very ineffectively and sometimes I would never even see the sheet. • I would suggest to try to spend a little more time on the example problems. I felt that we would went into a lot of in depth detail on the conceptual information and then saved the examples for last, sometimes rushing through them so quickly that we weren't even able to finish the problems. I think that the examples are a way to solidify what we have learned so that the conceptual information actually makes sense and sticks in my memory. Also the tests were based completely on the example problems, not the conceptual information. • I love you Hainin, but stick to going through the Green Book a little bit more during lecture 	

University of Alabama
2019 Fall On-Campus



Course: CE-573-001: Statistical Applications
Instructor: Alexander Hainen*
Response Rate: 16/20 (80.00%)

1 - The procedure for grading was fair.

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	13	81.25%		4.81	
Agree	(4)	3	18.75%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
16/20 (80.00%)				4.81	0.40	5.00

2 - The course was a valuable experience.

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	11	68.75%		4.63	
Agree	(4)	4	25.00%			
Undecided	(3)	1	6.25%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
16/20 (80.00%)				4.63	0.62	5.00

3 - The instructor, Alexander Hainen, was an effective communicator. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	12	75.00%		4.69	
Agree	(4)	3	18.75%			
Undecided	(3)	1	6.25%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
16/20 (80.00%)				4.69	0.60	5.00

4 - The instructor, Alexander Hainen, was accessible to students outside of class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	9	56.25%		4.56	
Agree	(4)	7	43.75%			
Undecided	(3)	0	0.00%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
16/20 (80.00%)				4.56	0.51	5.00

University of Alabama
2019 Fall On-Campus



Course: CE-573-001: Statistical Applications
Instructor: Alexander Hainin *
Response Rate: 16/20 (80.00 %)

5 - The instructor, Alexander Hainin, was well-prepared for class. -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Strongly Agree	(5)	13	81.25%		4.75	
Agree	(4)	2	12.50%			
Undecided	(3)	1	6.25%			
Disagree	(2)	0	0.00%			
Strongly Disagree	(1)	0	0.00%			
Response Rate				Mean	STD	Median
16/20 (80.00%)				4.75	0.58	5.00

6 - What grade do you expect to receive in this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
A	(6)	16	100.00%		6.00	
B	(5)	0	0.00%			
C	(4)	0	0.00%			
D	(3)	0	0.00%			
F	(2)	0	0.00%			
Other	(1)	0	0.00%			
Response Rate				Mean	STD	Median
16/20 (80.00%)				6.00	0.00	6.00

7 - How would you rate this course?

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Excellent	(5)	11	68.75%		4.56	
Above Average	(4)	3	18.75%			
Average	(3)	2	12.50%			
Below Average	(2)	0	0.00%			
Failure	(1)	0	0.00%			
Response Rate				Mean	STD	Median
16/20 (80.00%)				4.56	0.73	5.00

8 - How would you rate the instructor, Alexander Hainin, of this course? -

Response Option	Weight	Frequency	Percent	Percent Responses	Means	
Excellent	(5)	13	81.25%		4.81	
Above Average	(4)	3	18.75%			
Average	(3)	0	0.00%			
Below Average	(2)	0	0.00%			
Failure	(1)	0	0.00%			
Response Rate				Mean	STD	Median
16/20 (80.00%)				4.81	0.40	5.00

University of Alabama
2019 Fall On-Campus



Course: CE-573-001: Statistical Applications
Instructor: Alexander Hainen*
Response Rate: 16/20 (80.00 %)

9 - How frequently did you attend class?					
Response Option	Weight	Frequency	Percent	Percent Responses	Means
Always	(5)	14	87.50%		4.88
Usually	(4)	2	12.50%		
Often	(3)	0	0.00%		
Sometimes	(2)	0	0.00%		
Rarely	(1)	0	0.00%		
Response Rate			Mean	STD	Median
16/20 (80.00%)			4.88	0.34	5.00

10 - Any additional comments about the instructor, Alexander Hainen. -	
Response Rate	5/20 (25%)
<ul style="list-style-type: none"> I had been really scared going into this course because I had not seen any statistics since high school (about 6 years ago), but Dr. Hainen made the concepts really easy to understand and was always super helpful! Dr. Hainen is a fantastic teacher. He really cares about his students and wants them to understand the material and have a valuable learning experience. He always is available if a student has questions and has so much material to help the students learn. Great teacher who really cares about the classes he teaches. Alex Hainen is a national treasure. Dr. Hainen is an humorous, professional teacher. He has clear logic and strict thinking. I guess the class content is too much so that sometimes Dr.Hainen goes a little bit fast and I may miss some points. Whatever, I still learned a lot from his class. Thanks him a lot. The instructor is always available to assist students in class and assignments 	

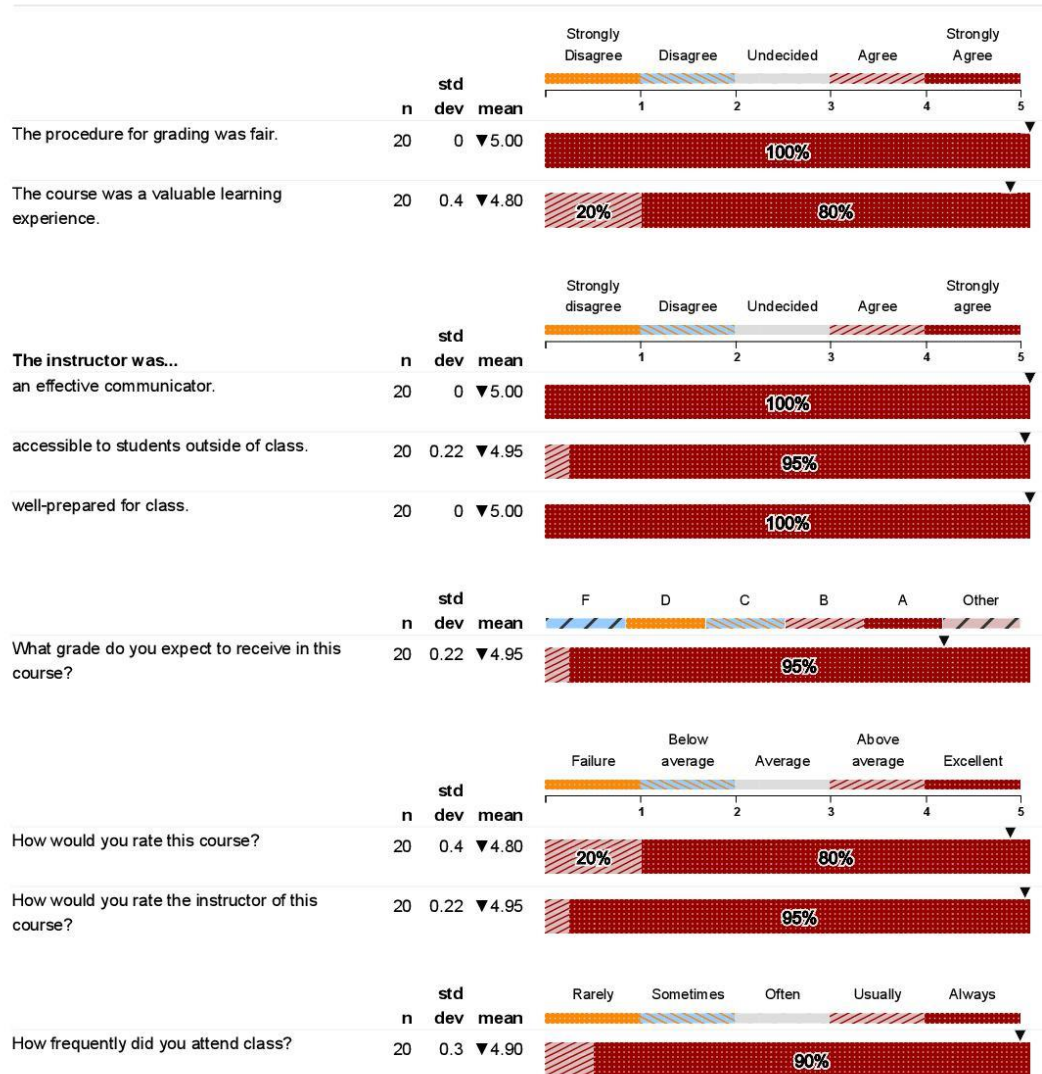
11 - Any additional comments about the course.	
Response Rate	3/20 (15%)
<ul style="list-style-type: none"> Good course that will have an important application in my future courses. The course was extremely fast paced and occasionally hard to follow. Most of the guest lecturers were very ineffective, occasionally taking the first two questions to test our knowledge of basic statistics (ex. mean, median, and mode) when we were supposed to be learning a more advanced subject. The course is very useful 	

SOI Report: Spring 2019

CE 458-001: Traffic Engineering

ALEXANDER HAINEN

41 Surveyed



Any additional comments about the instructor.

Dr. Hainen is one of my favorite professors. He is extremely engaged and always relating lectures to what we may experience in the workforce. I have never had a professor that relates our coursework to the workforce as well as Dr. Hainen. I have learned a great deal in his courses, and have enjoyed every minute.

I have thoroughly enjoyed Dr. Hainen's traffic engineering class this semester. It has been very interesting and practical course that is easily applied to the real world. My only regret is that I was unable to take more courses with him.

Dr. Hainen did a great job of keeping the class interesting as well as including good labs and assignments

Professor Hainen taught this class extremely different than other civil classes i had taken in the past which I enjoyed.

Doctor Hainen is easily one of the best professor I've ever had. He is so passionate about the subject he teaches and his upbeat attitude is contagious. He is very knowledgeable and is always eager to answer questions. Lastly, he is very easily accessible and will reply to questions promptly.

Alex is a great instructor and loves what he does. I would recommend this class to anyone.

Dr. Hainen is the best! He sparked my love for transportation engineering and was so willing to help students find jobs and learn more.

Dr. Hainen was an excellent instructor, always eager and excited to teach us about traffic and its systems. He introduced us to many softwares, showing his ability to learn and teach whatever he is assigned.

He is a great listener and communicator. He makes the class more fun and exciting and he helps you prepare for the real world after college. He is an open-minded and smart individual. I would recommend having him as my teacher next semester.

I've sung Dr. Hainen's praises before, and I'll do it again. He's a fantastic professor, and I'm so glad to have had him for as many courses as I have.

Dr. Hainen is one of the smartest people I have ever met. He cares about his students and I have never seen a professor so enthusiastic about teaching a class.

He was great as always. Dr Hainen is probably my favorite teacher I've had at UA

Great class and valuable learning experience.

Any additional comments about the course.

I really enjoyed the course and learned a lot.

I feel like this class allowed us to work with many different software and learn about different topics that i dont think we would have been able to see in any other class.

This class was really interesting. Dr. Hainen did a very good job of incorporating a lot of hands on work to match lectures. I really enjoyed this class and learned a lot.

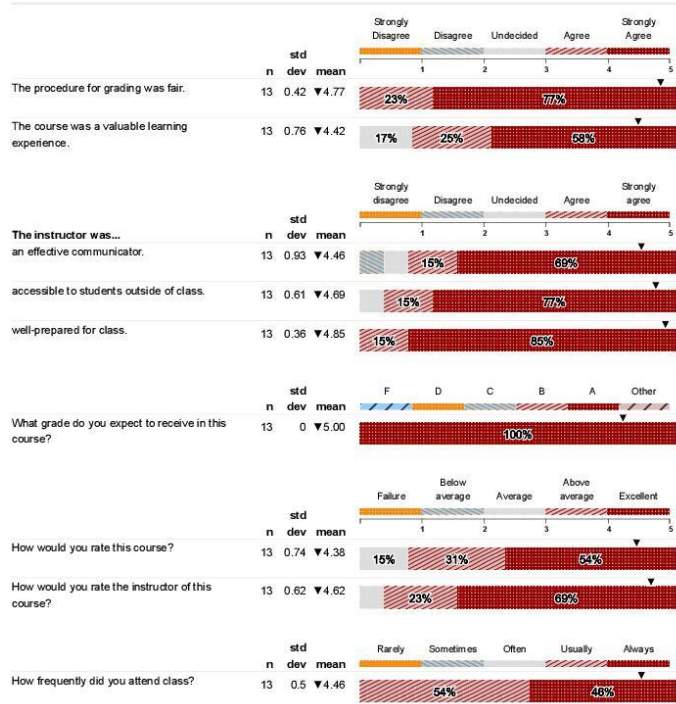
The amount of labs were slightly overwhelming, but since there aren't any tests I can understand. I would have loved to spend more time on Vistro and the outside "real world" labs than some of the other software labs. I think those would have been great to learn if there was more time. Overall, I learned a lot in this class though and even though it was so much information, I am grateful I was at least exposed to all of it. Fun class!

This course was incredibly beneficial in that it provided me with a working knowledge of over 5 softwares. It also provided me with field experience in collecting data. Lastly, this course has changed the way I approach traffic signals. Now, I am watching not only for my green light, but also for the programming behind it and the movements that it allows when and in what order.

The class is hands down amazing. It gives you a clear insight of what it is to come for the real world and gives facts on traffic engineering. It allows you to go outside the box due to fun activities that includes using the Vistro software. I would recommend taking this course in the future.

This course is invaluable to anyone going into transportation engineering. I think it should be offered every spring and fall.

SOI Report: Spring 2019
CE 573-001: Statistical Applications
ALEXANDER HAINEN
 23 Surveyed



Any additional comments about the instructor.

Super excited for every class however tried to fit too many slides/information for one class. Loved how accessible he is and willing to help us truly understand the information.

Invested in making each learning experience count! He's great.

Dr. Hainen is hands down the best instructor I've had during my collegiate career. He's smart, passionate, and dedicated to helping his students learn.

Very motivating and excited about the subject

He is a great instructor in terms of the lecture quality and feedback.

Dr. Hainen is, in my opinion, as excellent a professor as one can have: communication, accessibility, reasonableness of assignments inclusive.

Any additional comments about the course.

I love math, but I don't much care for statistics in particular; however, Dr. Hainen made the material as accessible and interesting as possible, and I learned a significant amount.

I know Dr. Hainen said that he's working on reducing the amount of slides, but I think it would be a good idea if he keeps working on this idea :)

This course was very well prepared by the instructor.

I gained a great deal from this course. Only wish we were able to meet more than three 50 minute segments per week.

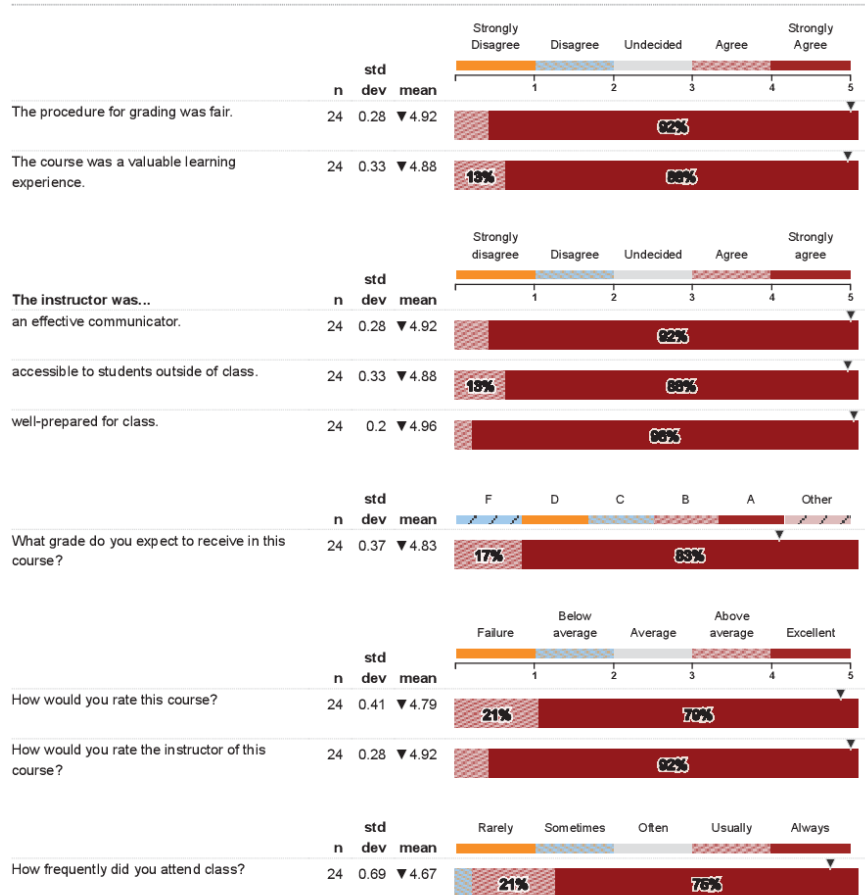
12/19/2018

SOI Reports

SOI Report: Fall 2018

CE 451-001: Roadway Intersection Dsgn

ALEXANDER HAINEN
45 Surveyed



Any additional comments about the instructor.

Hainen was always very helpful and would go above and beyond to help his students.

I absolutely love Dr. Hainen as a professor. You can tell he absolutely loves what he teaches which helps make the class interesting to us.

Dr. Hainen is a wonderful instructor who genuinely cares about his students and loves what he does. His passion for the subject makes it easy to learn and keeps the class engaged.

Best at UA

Great professor I would take another class if I wasn't graduating.

Awesome Professor and always excited to be there and help us learn. Cares more about his students than any teacher I've ever heard. Actually cares about us learning and understanding the material

12/19/2018

SOI Reports

Dr. Hainen is one of the kindest, most passionate professors at this university. This is the second class I've taken with him, and I'm very excited to take others in the future.

It is obvious that Dr. Hainen puts so much effort into this class and it shows. He is obviously passionate about what he is teaching and it helped me be passionate about it too. I loved that about him. He also cares and wants us to learn and succeed. He is a great instructor.

Dr. Hainen was great as always this semester. I have no complaints about him

Great person. Loves transportation and really wants us to learn the material.

I appreciate his enthusiasm for this course! That is what made it fun to come to class and listen. Great teacher!

Dr. Hainen was a fun teacher to have who is obviously passionate about students learning transportation engineering. Although he would throw out a lot of information that was sometimes hard to gather all at once, it was nice to be exposed to so many areas of roadway design.

Wonderful professor. Genuinely concerned for each student's well being and future success. Always came to class with enthusiasm and energy. Extremely knowledgeable on the topics at hand and how to relate that to students.

Dr. Hainen is my favorite professor by far. He really sparked an interest in transportation for me and is really easy to talk to. He does what ever he can to help his students in and outside of the classroom.

Dr. Hainen is the best professor I have had at the University – point blank. His enthusiasm is unmatched, his knowledge of the material doesn't lack for anything, and the assignments and lecture slides are always consistent and well organized.

I enjoyed this class and I really like this professor. He is a very motivated and helpful teacher. I would recommend this course to all students.

Any additional comments about the course.

I really enjoyed this course and felt like I gained a tone of knowledge I can take with me in my future career.

This class taught a great amount of information about Roadway design and was excellent. The lab requiring the use of Civil 3D was fantastic as a learning experience, teaching students how to design and draw alignments, profiles, cross sections, create surfaces, and many other design elements.

Great Class, super helpful and enjoyable

I learned so much from this class, including about AutoCAD, which I've gone from hopeless at to at least functional in minor situations. Thanks so much, Doc

I'm really enjoying the Civil 3D aspect. However, I could barely pay attention for the first several weeks of lecture. Maybe spread out the labs so they correspond with the lectures.

I would have liked to do one or two more labs in class where we used the computers in class but followed along to what he was doing on his computer. Also, the slides have a lot of information which is good, but we go so fast that it is hard to take notes.

Course material was all valuable lessons and the use of civil 3D is a great tool for people trying to get jobs and work in the design field after school. I really enjoyed working in the software to learn tricks to help me at work.

For the test, it would have been nice to have a little earlier in the semester. I really liked that it was all FE problems and I strongly believe more professors need to do this.

Course was excellent. The only thing I could even comment on is the lecture slides; a lot of them are figures with no text. This is good for class because they flow with Dr. Hainen's lecture. If you have to reference the slides after class, it can be a little bit more difficult to remember what the context is, and it is hard to take notes during class because of the pace.

5/11/2018

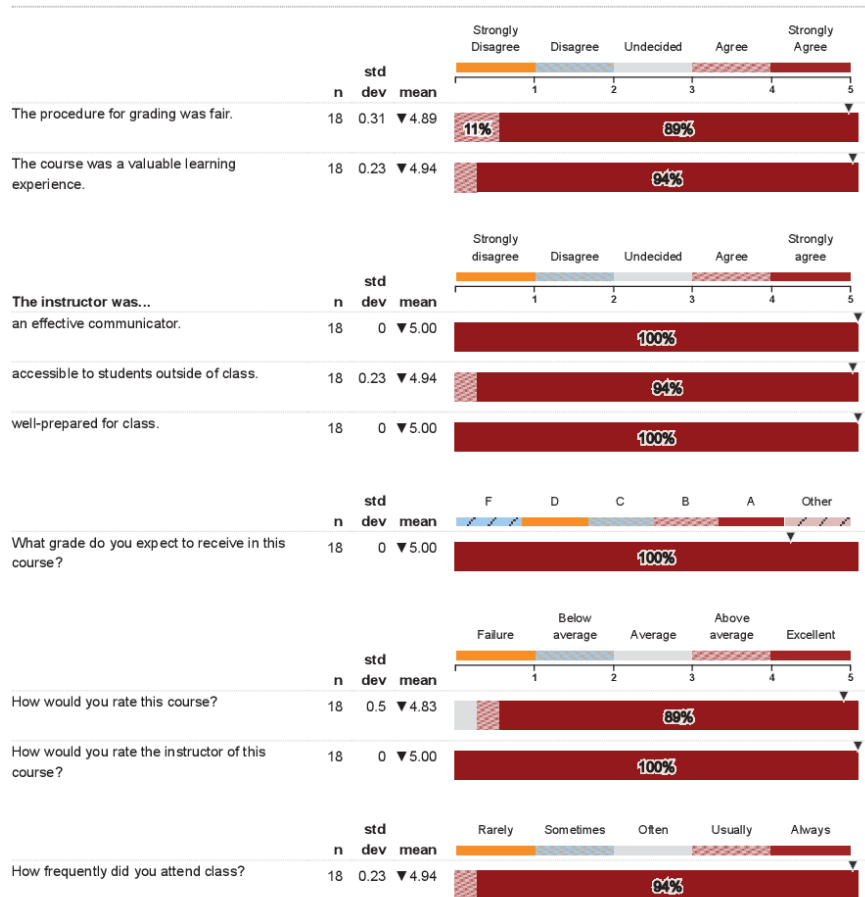
SOI Reports

SOI Report: Spring 2018

CE 458-001: Traffic Engineering

ALEXANDER HAINEN

39 Surveyed



Any additional comments about the instructor.

As always Dr. Hainen is a great teacher

Dr. Hainen is the best instructor I have had at the University of Alabama. He always communicates his material effectively and enthusiastically, and is consistently willing to assist in any way he can.

Simply amazing. Cares deeply about the course and industry behind it, has a tremendous amount of experience and knowledge to share with students to further implement course material.

Dr. Hainen is awesome and it's clear that he loves the material he's teaching which is very refreshing.

It's no secret that Dr. Hainen is one of the best professors at UA. He is extremely passionate about what he teaches which makes it easier to come to class every Tuesday and Thursday. I really appreciate how aware he is of the fact that most of us are seniors and we are juggling other 400 level courses, senior design, job searches, etc. and is very understanding if we aren't able to turn in labs right away. I think college would be a much better experience for everyone if more professors were like Dr. Hainen.

5/11/2018

SOI Reports

Dr. Hainen is the best professor I've ever had. Changed me from a structures person to considering transportation as a career. That's a success

Awesome, Hainen was always full of energy which made class a joy.

Best educator in the Civil Engineering department by far. Most students took this class just because Alex was teaching it because he is the model definition of what an educator should be.

I really enjoyed this class and learned so much about traffic engineering! It was so nice having a class that I wasn't crazy stressed over my last semester of college but still learned a ton of info. Thanks for an awesome semester!

One of the best professors I had at UA. Dr. Hainen is extremely helpful and easy to follow in class. He seems to truly care about his students. I am thankful to have had a class with Dr. Hainen.

Dr. Hainen is an outstanding professor. He welcomes students' questions, is eager to help us succeed, and equips us with the tools necessary to do well in the real world as engineers. Thanks Dr. Hainen for all you do!

Dr. Hainen is an incredible professor. He brings a lot of enthusiasm to a class that needs it at 5pm. I like the way he incorporates interesting labs to help with teaching. I learned more with this method than I would have with a class where I only took test.

Any additional comments about the course.

I really enjoyed the class and learned a lot

The course is a lot of work, but the deadlines and expectations are fair, and I never felt the assignments to be tedious or frivolous.

Valuable real-world experience for students entering the transportation industry, this course deserves endless funding to acquire licenses the necessary and newest software used in the transportation industry.

Sometimes the material got a little dull, but a lot of the labs were very interesting. I would suggest having students do the labs on their own as often as possible so they have a higher chance of learning the material.

I would love it if assignments weren't only graded on completion. It would make everyone put that little bit more of effort in

Learned a lot through the assignments and lectures even though the material wasn't my top interest. Alex made it interesting and approachable, as expected.

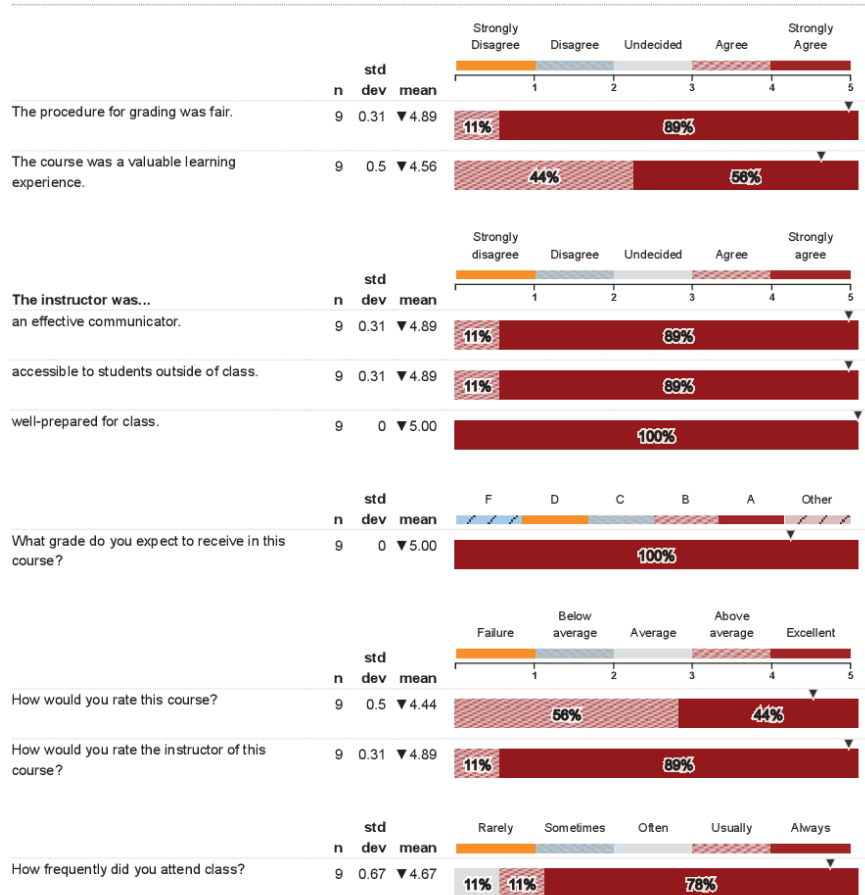
This course was awesome. It was so cool to see all of the traffic technology Dr. Hainen allowed the class to work with. I also enjoyed the structure of the class allowing students to get ready for the "real world".

This has been my favorite course so far. I wish there were more traffic/transportation electives available.

5/11/2018

SOI Reports

SOI Report: Spring 2018
CE 573-001: Statistical Applications
ALEXANDER HAINEN
 25 Surveyed



Any additional comments about the instructor.

Grade the Damn test before 3 months

The instructor is very good and very well prepared for the class.

He is a good teacher, and his ability to integrate software with the learning process is fantastic.

Dr. Hainen is amazing!! Puts in TONS of extra effort to make class as beneficial to students as possible. An Excel genius. I would GLADLY take an Excel class offered by him and I learned so many awesome tricks this semester. He also would send very personalized emails for help on homework and/or make personalized YouTube videos to answer questions. That was awesome. So for "accessibility outside of class" in that sense, Dr. Hainen deserves 10/10, A+.

Any additional comments about the course.

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1/2

5/11/2018

SOI Reports

This course helped me to understand the concepts of probability and statistics. Also, it was very helpful to learn how to solve a single question in different ways. For example, mathematical calculation, using Excel, and using Minitap.

It was a good one to learn how for analyzing data once they are collected.

To continue about accessibility: Unfortunately Dr. Hainen's office is all the way in Cyber Hall, quite far from the rest of campus, so physically would have been challenging/inconvenient to stop by his office. This logistical issue is the only reason for less than stellar rating in this regard. Can't pop by office with a quick question like we can with where other professors offices are in SERC or Bevil. Dr. Hainen certainly made up for it, but wanted to mention that campus getting bigger can have negative impact on student/faculty interaction in this regard. (Obvious "answer" to this comment is that "if you needed to talk to him it shouldn't stop you", and it didn't, I still asked questions via email and it worked, but this is still a valid concern/comment and we don't have much of another way to address it) I do not particularly like this text book. Had it for GES 255 and now this class. Example questions are not generic enough to apply to/understand what they ask for in following assignment questions. 1/2 the time I spent on the homework was trying to figure out what they were asking for and how that translates from examples. Again, easy answer to this is that I should be striving to understand theory, rather than specific examples/instances, and I can agree with that, but then the material should be more generic or spend more time explaining what these numbers actually mean in the grand scheme so we can understand and apply in the future. Keep this class in the civil department. If this class is meant for civil grad students, then it should be taught by civil professors. Transferring it to the statistics department would likely be detrimental to students if we are thrown into a stats class with stats majors. I'd wager most of us haven't touched statistics in years (except for a few very specific instances) before taking this class, so if we were thrown in with stats majors, we'd be rather unprepared/behind the curve I'm sure. Heavy use of slides is good for consistency between semesters, but it is not the most engaging delivery method. Dr. Hainen did a great job trying to break it up, but that's something that would need to be continued to keep students attending and paying attention.

1/11/2018

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Student Opinions of Instruction : Fall 2017

73 Surveyed

Alexander Hainen (CE 350-001 Intro. to Transportation Eng)

Question	Num Resp	Resp Rate	Mean	Std Dev					
					Strongly Agree	Agree	Undecided	Disagree	Strongly Disagree
The procedure for grading was fair.	29	40%	4.86	0.35	86%				14%
The course was a valuable learning experience.	29	40%	4.86	0.35	86%				14%
The instructor was...									
an effective communicator.	29	40%	5.00	-	100%				
accessible to students outside of class.	29	40%	4.97	0.19	97%				
well-prepared for class.	29	40%	5.00	-	100%				

Question	Num Resp	Resp Rate	Mean	Std Dev						
					A	B	C	D	F	Other
What grade do you expect to receive in this course?	28	38%	4.68	0.48	68%				32%	

Question	Num Resp	Resp Rate	Mean	Std Dev					
					Excellent	Above average	Average	Below average	Failure
How would you rate this course?	29	40%	4.83	0.38	83%				17%
How would you rate the instructor of this course?	29	40%	5.00	-	100%				

Question	Num Resp	Resp Rate	Mean	Std Dev					
					Always	Usually	Often	Sometimes	Rarely
How frequently did you attend class?	29	40%	4.66	0.72	76%				17%

1/11/2018

oiradata.ua.edu/survey_reports/view/report/SOI-EG/201740/354CD353A53D2CC0B5D7A6675812646D

Any additional comments about the instructor.

Alex was an awesome professor. Extremely fair in all aspects and wanted you to learn the material and do well.

Best Civil professor on campus.

Dr. Hainen is awesome! By far one of my favorite professors so far.

Dr. Hainen is extremely passionate about the subject and it shows in his lectures. I gives the students multiple opportunities to be successful. This class has potential to be terribly boring, but Dr. Hainen made it enjoyable.

Dr. Hainen is phenomenal. I absolutely loved him and seeing his enthusiasm made me think about maybe specializing in transportation engineering one day. He really was fantastic in every way, especially for a 9 a.m. class. I would go out of my way to take a class taught by him again.

Dr. Hainen is the man, really makes you want to be passionate about transportation. very realistic expectations and practical lectures.

Dr. Hainen is the most enthusiastic professor I've ever had. He's passionate about the class, but also passionate about his students' learning and their success. I feel like most professors teach to fulfill a requirement, but it's obvious that Dr. Hainen teaches because he loves it. I would highly recommend that students take any class that he teaches, regardless of the material.

Dr. Hainen was an unbelievably effective and helpful teacher. He consistently had his students' best interests at heart and always went out of his way to ensure we understood the material and were set up for success.

Great professor and is really passionate about his profession and class

Great teacher.

Hainen is hands down the best instructor I've ever had. He was passionate and extremely knowledgeable about the material. He cared about the success of his students and did everything he could to make sure we learned the material and did well in his class.

He was a great professor that truly had a desire for us to learn, and cared that we did well.

Highly recommend.

I love how passionate Dr. Hainen is and he very obviously knows his stuff. Dr. Hainen is very understanding and cares about his students and his work. I will definitely take another class with him.

I really like Dr. Hainen's enthusiasm and how he talked about what is going on in the transportation world today.

I think that Dr. Hainen is awesome, I loved his passion for the subject which made it much more interesting.

Prof Hainen is THE BOMB! Definitely deserves any promotion you are considering for him. I am taking him for 458 because of how much I learned and how good of a professor he is. Yes, he expects a lot, but he makes us learn more than any other class I have taken at this University. He makes me want to be a Transportation Engineer

Professor Hainen is so enthusiastic about transportation engineering that it inspires you to learn and engage in what he is teaching. Instead of focusing on the grades, he wants us to learn and understand, which I believe in the most important part of learning.

SUCH a great teacher! Really cares about his students and cares that we learn the material and find transportation interesting and fun.

The Hainenator is the best instructor I've ever had in my life. With the amount of time this man dedicates to his students and his line of work, I'm not sure how much he is getting paid, but definitely deserves a raise.

Very enthusiastic and knowledgeable.

Words cannot fully express how amazing Alex Hainen is, as a professor, advisor, and human being. He probably has more passion and enthusiasm in his little finger than most individuals have in their entire person. Dr. Hainen clearly desires his students to learn and to be excited about the field of transportation engineering, and he communicates this well through his interesting lectures. He is a compassionate person and offers great professional advice to encourage students to pursue the paths that are the best match for their interests and talents. If the College of Engineering at the University of Alabama has any sense, they will keep Dr. Hainen as a faculty member for as long as possible and should look to hire other professors who are equally passionate and capable in their respective fields of civil engineering. Dr. Hainen is fantastic and his light of faith shines bright.

alex is the shit! i love him!

Any additional comments about the course.

Course is direct from the book, which is perfect because the book is GREAT. I can't suggest any changes to the material, as everything was interesting and makes me want to be a transpo engineer

Course shall be taken by all. Material is fair and interesting and gives you great insight into transportation and its intricacies

I don't think it is fair that A+'s are unobtainable in this course. If you work hard, learn the material, and do your job, I think you should be rewarded for that instead of penalized. Because it was unobtainable, I spent less time learning the material for this course than for my other ones which I think is counter productive.

Also, it would be nice if the ICDP were posted before the class. This way my partner and I could look at it in advance and use our time more wisely during the class period.

I felt like there was a fair amount of busy work particularly the "in class" design problems. While I think they were valuable I never finished them in class and would often complete them while also having multiple homework's assigned.

http://oiradata.ua.edu/survey_reports/view/report/SOI-EG/201740/354CD353A53D2CC0B5D7A6675812646D

2/3

1/11/2018

oiradata.ua.edu/survey_reports/view/report/SOI-EG/201740/354CD353A53D2CC0B5D7A6675812646D

Any additional comments about the course.

ICDP were so helpful! The homework was also helpful, although long sometimes. Deadlines were always fair.

The course is good and a definitely valuable and interesting.

The course was very interesting and the material was fun.

The course was well set up. It was a lot of work, but I learned quite a bit. Grading and tests were fair.

The homework assignments were overly lengthy and time consuming.

The homework can be a little tedious, but I always did it all at once and not in sections so that's probably more my fault.

This course is the best I have taken so far in my time at UA. I have learned not just concepts and equations but also how engineering can be applied in infinite ways through the field of transportation engineering. As a result of this course, I have been encouraged to evaluate my own interests and will hopefully pursue an internship in transportation engineering this summer. I know this is not possible, but I think every engineering student should take this class with Dr. Hainen because the course teaches students how to solve real life problems and think creatively as an engineer.

Very interesting lectures. Really piqued my interest in transportation engineering.

Yaw

fun course

5/11/2017

oiradata.ua.edu/survey_reports/view/report/SOI-EG/201710/403DD0B9988C232F47C595C4DB9F47F5

Student Opinions of Instruction : Spring 2017

45 Surveyed

Alexander Hainin (CE 458-320 Traffic Engineering)

Question	Num Resp	Resp Rate	Mean	Std Dev	Strongly Agree				
					Agree	Undecided	Disagree	Strongly Disagree	
The procedure for grading was fair.	15	33%	4.93	0.26	93%				
The course was a valuable learning experience.	15	33%	4.87	0.35	87%				
The instructor was...									
an effective communicator.	15	33%	5.00	-	100%				
accessible to students outside of class.	15	33%	4.93	0.26	93%				
well-prepared for class.	15	33%	5.00	-	100%				

Question	Num Resp	Resp Rate	Mean	Std Dev	A					
					B	C	D	F	Other	
What grade do you expect to receive in this course?	15	33%	4.93	0.26	93%					

Question	Num Resp	Resp Rate	Mean	Std Dev	Excellent				
					Above average	Average	Below average	Failure	
How would you rate this course?	15	33%	4.80	0.41	80%				
How would you rate the instructor of this course?	15	33%	5.00	-	100%				

Question	Num Resp	Resp Rate	Mean	Std Dev	Always				
					Usually	Often	Sometimes	Rarely	
How frequently did you attend class?	15	33%	4.67	0.49	67%				

5/11/2017

oiradata.ua.edu/survey_reports/view/report/SOI-EG/201710/403DD0B9988C232F47C595C4DB9F47F5

Any additional comments about the instructor.

BEST PROFESSOR EVER

Dr. Hainen is the best! He truly loves working with students and with traffic!

Great instructor and one of my professors I truly feel cares about preparing us for the real world and developing the tools to succeed. He's the best professor on campus

I'm sure whoever is reading these must get tired of hearing how awesome a professor Dr. Hainen is. So here's a list of ways he could improve: find Hermione Granger's time turner so that he has twice as many hours in the day. End of list. In all seriousness, Dr. Hainen is such a good communicator, instructor, mentor, and friend. I owe so much of my academic success to him that words scarcely can express it. I just wish he had more time to devote to office hours (seriously, are y'all trying to work him to death?) so I can take up more of his time with my stupid questions. I wish him the best as he starts a new chapter of his life with Laura. Thanks for everything, Dr. H!

Incredible teacher. Very unorthodox class. No tests, just labs. Great refresher from many of the 300-level CE classes, which I believe failed to reach their mark from a student-learning perspective. I also like that Dr. Hainen showed us about innovation technology and had us solve real-world traffic problems around Tuscaloosa.

Very passionate about traffic engineering and really worked to make the class interesting and helpful to those students pursuing careers in transportation. I am not looking to work in transportation but I think it would have been very useful to someone entering into that field.

Any additional comments about the course.

Very beneficial and interesting class. CE 350, the predecessor to CE 458, was useful too. One of the better 300-level CE courses. Some 300-level CE classes I found to be terrible. Great teachers, but just terrible courses in hindsight. I know this survey is anonymous, but I'd be happy to share more of my opinion on those classes at some point if desired.

Awesome class that is the best example of how to act, write, and present like a real engineer. The labs are fun and interesting, and sometimes challenging. I wish more had been done with the data-driven labs (just didn't seem like they accomplished much besides creating graphs) but the qualitative labs were really fun and interesting!

Fun course, learned a lot

The class was more lab focused than test and I loved that. This gave the opportunity for better learning. Also, really appreciated the excel processes taught as they are very relevant to future jobs.

This course was very cool and fun, and it incorporated lots of different techniques/technologies.

4/13/2017

Alexander Hainen (CE 350-001 Intro. to Transportation Eng)

SOI Report: Fall 2016

65 Surveyed

Alexander Hainen (CE 350-001 Intro. to Transportation Eng)

Question	Num Resp	Resp Rate	Mean	Std Dev	Strongly Agree					Agree					Undecided					Disagree					Strongly Disagree				
					Strongly Agree					Agree					Undecided					Disagree					Strongly Disagree				
The procedure for grading was fair.	41	63%	4.37	0.86	51%					41%					2%					2%					2%				
The course was a valuable learning experience.	41	63%	4.39	0.95	56%					36%					2%					4%									
The instructor was...																													
an effective communicator.	41	63%	4.66	0.82	80%					12%					7%														
accessible to students outside of class.	41	63%	4.63	0.77	75%					17%					2%					4%									
well-prepared for class.	41	63%	4.76	0.58	80%					17%					2%														

Question	Num Resp	Resp Rate	Mean	Std Dev	A						B						C						D						F						Other					
					A						B						C						D						F						Other					
What grade do you expect to receive in this course?	41	63%	4.45	0.68	53%						34%						9%						2%																	

Question	Num Resp	Resp Rate	Mean	Std Dev	Excellent					Above average					Average					Below average					Failure				
					Excellent					Above average					Average					Below average					Failure				
How would you rate this course?	41	63%	4.22	0.94	46%					36%					12%					2%					2%				
How would you rate the instructor of this course?	41	63%	4.51	0.75	63%					26%					7%					2%									

Question	Num Resp	Resp Rate	Mean	Std Dev	Always					Usually					Often					Sometimes					Rarely				
					Always					Usually					Often					Sometimes					Rarely				
How frequently did you attend class?	41	63%	4.51	0.60	56%					39%					4%														

Any additional comments about the instructor.

AWESOME!

professor hainin was a great professor and did a good job making the course interesting. Although he gave us sufficient time for each assignment the format he requires the assignments to be turned in as took entirely too long in comparison to the actual amount of time it took to do the assignment. As an engineering major all the courses we take require a lot of time and energy and I dont feel its fair I spent 8 hours of my time typing up something that only took me 2 hours to do all the calculations and find them in the book.

Dr Hainen was a very outgoing teacher, but his class was extremely boring. He gave "in-class problems" where no one in the class would finish and would have to do for homework along with whatever homework we were assigned. He also graded very hard on tests and in In-class problems. You could have the correct process and he would not give any partial credit.

Dr. Hainen exhibits a passion for his work, his class, and his students that I have yet to see from any other professor. He find time for these things and maintains a good balance. I always felt comfortable communicating with Dr. Hainen and I knew I'd get an honest answer from him.

Dr. Hainen is a great professor!

-RH

Dr. Hainen is a very enthusiastic professor and I thoroughly enjoyed his class.

Dr. Hainen is an excellent instructor who is passionate about transportation. He wants all of his students to succeed and he is always willing to help you. Dr. Hainen has a lot of energy in the classroom and his class never seems dull. He is very particular about homework assignments being typed, but doing this has helped me learn how to properly format documents and use equation editor.

Dr. Hainen is clearly very excited about the topic and has a wealth of knowledge. He actively seeks out ways for us to better understand the material and incorporates real world examples.

Dr. Hainen should be considered a very valuable asset to the Civil Engineering department at UA. His excitement and enthusiasm for Transportation Engineering is obvious, and it seems to spread to students in his class. Although I am not transportation focused in my degree program, Dr. Hainen managed to inspire me to consider more avenues in the direction of Transportation Engineering.

Dr. Hainen was very enthusiastic and made the course more enjoyable than it might have otherwise been. He was fair about slightly late homework submissions. He provided professional insight to the class material. The exams were a bit lengthy for the amount of time allotted. I never finished any of the exams along with most of the class, but he did allow students the opportunity to correct mistakes and unfinished problems from the exams for half credit returned which was fair. Attendance was strongly encouraged by in-class design problems. He made himself available for questions outside of work hours. He truly cared about student success by going above and beyond to run analytics on homework and exam scores to try and identify relationships for student performance.

Dr. Hainen's class was always fun to go to because of his excitement. He always came to class with a smile on his face and fantastic visual examples. He taught a subject that was not that interesting to me and made it my favorite class this semester.

Excellent is an understatement. He truly enjoys the material he is teaching and truly wants to inspire the students to do their best. He wants the best for each one of us.

Great professor, truly cares about job and students.

He is a great instructor. I learned analysis and knowledge directly from his presentations and lectures.

He was honestly an amazing professor, kept the class interested and always made the tests fair despite that very difficult first one. He understands us and can relate which makes him much more easy to want to listen to and perform well in his class.

He was very passionate about the subject, which made it enjoyable to come to class. He was always available for help outside of class, but expected his students to do an insane amount of work for his class

I felt as though I learned a lot in this course. We had in class design problems we had about every week. These usually did not get completed during class and would have to be worked on outside of class. If there was a way to keep these in class, it would help give students more time to work on the homework for this class. The homework usually took a lot longer than it typically would because everything had to be typed. Even when getting a head start on the homework, this took a lot of time away from other classes.

Probably the best professor I've ever had. Got me excited to come to class and learn about this topic. Although I was planning on going into the structures side of civil, I may change to transportation because of him.

I like that you love transportation engineering and that try to diversify the class and make us do assignments of all kinds. The only real problem I saw was that I sent you an email three different times over the course of a week with no reply. You also cancelled on us multiple times while we were trying to get you to help us with our project that s worth 15% of our grade. I know things come up, but you almost acted as if it was a problem for us to set up a meeting with you to discuss our data. Also, you were sometimes a bit snippy in class when asked questions about the ICDP. Yes, I know it is frustrating when things don't stick with students after you teach a concept, however some of us only learn and remember concepts while we work the problem. I can listen to a lecture all day long, but until I sit down and really try to figure out a problem and I get to ask questions, it doesn't stick.

I wish I could have the same level of energy as Alex did for every class.

Makes highway engineering as interesting as it can get

Prof. Hainen was one of the friendliest instructors I've had yet, and he is clearly excited about the material he teaches. However, he seemed completely un-phased that the average (before corrections, which were offered) for the first exam was a 60% and the average on the second was a 73%, together totaling 40% of the grade. There was clearly a disconnect that never fully seemed to be addressed.

4/13/2017

Alexander Hainen (CE 350-001 Intro. to Transportation Eng)

Any additional comments about the instructor.

Transportation Engineering is really not my cup of tea, however Dr. Hainen was always enthusiastic about the material and did his best to make it interesting. My only complaint about the class or Dr. Hainen is in regard to the project. I felt we had very little guidance throughout the month-long project, and when, a week before the due date, we discovered that the data we collected wasn't matching our predictions, instead of telling us to write a reasonable report about what data we collect and what could have caused the discrepancy, he made us scrap a nearly a month's worth of work and scramble to come up with and execute a new project plan. Grades aren't in yet, so we'll see how it goes but if the new project doesn't go as planned it could cost me an A in the class, and I feel as though our project team's effort deserved more consideration from Dr. Hainen.

Truly a teacher who enjoys his work and makes class fun to go to. His positive energy brings good vibes and is needed in the engineering department. Great teacher.

Very passionate about transportation engineering! A great professor.

extremely enthusiastic and excited about the subject! made coming to class interesting

Any additional comments about the course.

I really enjoyed this class.

CE 350 is an essential course, I felt the content was fair and well received by the class. Teachers make or break courses on this campus. If this course was taught by someone with no drive that didn't have a firm grasp of the material it could easily be a difficult course that would give students trouble.

I really enjoyed the current events/news section, I learned a lot throughout those presentations.

It's a great course if you want to deeply study transportation analysis.

The homework amount was way too much given that the course was only 3 credit hours. Transportation engineering is a very elaborate subject and this class was more than just an "introduction". However, it gave a good taste of the subject and helped students decide whether they wanted to further their education in the field of transportation. Also, the in class design problems were way too complicated and hard to solve just off of the lectures and textbook alone. If the in class problems were worked out together, I think the students would have gained more from them.

The online homework was so time consuming that I would focus more on getting it done, than actually soaking in what I was supposed to learn. Homework would be a much more valuable experience if we were able to work problems by hand, scan them, and turn them in.

Very good if Hainen is teaching it

Very interesting class!

Way too much work expected for just one class. I was taking 18 credit hours this semester and this class alone took up the majority of my time each week.

5/13/2016

Alexander Hainen (CE 458-001 Traffic Engineering)

29 Surveyed

SOI Report: Spring 2016

Alexander Hainen (CE 458-001 Traffic Engineering)

Question	Num Resp	Resp Rate	Mean	Std Dev	Strongly Agree Agree Undecided Disagree Strongly Disagree				
					[Bar chart showing percentages for each response category]				
The procedure for grading was fair.	13	45%	5.00	0.00	100%				
The course was a valuable learning experience.	13	45%	4.85	0.38	84%				15%
The instructor was...									
an effective communicator.	13	45%	5.00	0.00	100%				
accessible to students outside of class.	13	45%	5.00	0.00	100%				
well-prepared for class.	13	45%	5.00	0.00	100%				

Question	Num Resp	Resp Rate	Mean	Std Dev	A B C D F Other					
					[Bar chart showing percentages for each grade category]					
What grade do you expect to receive in this course?	13	45%	4.64	0.50	53%			30%		15%

Question	Num Resp	Resp Rate	Mean	Std Dev	Excellent Above average Average Below average Failure				
					[Bar chart showing percentages for each rating category]				
How would you rate this course?	13	45%	4.77	0.44	76%				23%
How would you rate the instructor of this course?	13	45%	5.00	0.00	100%				

Question	Num Resp	Resp Rate	Mean	Std Dev	Always Usually Often Sometimes Rarely				
					[Bar chart showing percentages for each frequency category]				
How frequently did you attend class?	13	45%	4.85	0.38	84%				15%

5/13/2016

Alexander Hainen (CE 458-001 Traffic Engineering)

Any additional comments about the instructor.

Although I'm not necessarily going into the field of roadway transportation, I feel like Alex helped refine my repertoire of tools as an engineer. He has helped me become a better communicator, a better thinker and overall a better engineer. I have nothing but high praise for Alex as a professor, as someone who is accessible to students for any need.

Best professor I have had at the University

Dr. Hainen is an amazing teacher. He really has a passion for what he does.

Dr. Hainen is an excellent professor and perhaps the most enthusiastic academic I have ever met in my life. The only critique I have is that I think his passion can sometimes distract him and lead to a greater workload for the class than he expects. The labs were very helpful and valuable but perhaps too numerous.

Dr. Hainen is by far the best professor I've had. He cares about the material and the students learning experience and that really makes a difference. He also gives us labs and homeworks that are actually going to be useful in our profession!

Dr. Hainen is the best teacher I've had at UA. His classes have been an extremely valuable learning experience!

Dr. Hainen is, without doubt, one of my favorite instructors within the Civil Engineering department here at UA. The passion he brings for his subject area is phenomenal, and he truly wants his students to take away applicable skill sets at the conclusion of his courses.

Dr. Hainen makes learning enjoyable. His approach to teaching is much appreciated. He does not waste your time and every class was productive.

Outstanding professor! One of the only professors I've ever had that knows each and every student's name and genuinely cares about their understanding of the materials. Extremely excited about the subject which helps to motivate the students to learn.

Any additional comments about the course.

Grade of A+ should be an option

The class is well worth the time and money. Valuable skills learned.

This course is great, but I think a more clear split between lecture and lab days would be beneficial. I could see it being structured like GIS, where Tuesdays are purely lecture days with Thursdays being lab days.

It is a really fun class. The labs out in the field were a really good move.

12/31/2015

Alexander Hainen (CE 350-001 Intro. to Transportation Eng)

65 Surveyed

SOI Report: Fall 2015

Alexander Hainen (CE 350-001 Intro. to Transportation Eng)

Question	Num Resp	Resp Rate	Mean	Std Dev	Strongly Agree Agree Undecided Disagree Strongly Disagree					
					Strongly Agree	Agree	Undecided	Disagree	Strongly Disagree	
The procedure for grading was fair.	40	62%	4.67	0.57	72%				22%	5%
The course was a valuable learning experience.	40	62%	4.78	0.48	80%				17%	2%
The instructor was...										
an effective communicator.	40	62%	4.92	0.27	92%				7%	
accessible to students outside of class.	40	62%	4.85	0.53	90%				7%	2%
well-prepared for class.	40	62%	4.92	0.27	92%				7%	

Question	Num Resp	Resp Rate	Mean	Std Dev	A B C D F Other						
					A	B	C	D	F	Other	
What grade do you expect to receive in this course?	40	62%	4.49	0.68	57%				30%	10%	2%

Question	Num Resp	Resp Rate	Mean	Std Dev	Excellent Above average Average Below average Failure					
					Excellent	Above average	Average	Below average	Failure	
How would you rate this course?	40	62%	4.62	0.63	70%				22%	7%
How would you rate the instructor of this course?	39	60%	4.82	0.51	87%				7%	5%

Question	Num Resp	Resp Rate	Mean	Std Dev	Always Usually Often Sometimes Rarely					
					Always	Usually	Often	Sometimes	Rarely	
How frequently did you attend class?	40	62%	4.53	0.64	60%				32%	7%

12/31/2015

Alexander Hainin (CE 350-001 Intro. to Transportation Eng)

Any additional comments about the instructor.

Absolutely best professor I've had here at UA. Dr. Hainin is an amazing professor, who cares not only about what he is teaching but his students as well. He puts our learning at the utmost priority, and will do everything in his power to make sure we understand. He has made me fall in love with transportation engineering even more than before the course. I can't say enough about Dr. Hainin - he is just the absolute best. Hoping to take another class with him before I graduate. Dr. Hainin made sure he knew every single students name in our class, which in a 75+ student class is impressive when most teachers don't make an effort at all to learn our names. I asked Dr. Hainin a question one night before a test and he made me a 4 minute video answering my question and teaching me exactly how to do the problem. Just truly shows he cares and will put the extra effort in for his students. I could go on and on. Bottom line is he is an exceptional teacher, and we need more like him here at the Capstone!!! :)

Alex was an amazing professor. He really cares about the subject matter and especially his students. I felt that he really made an effort to get to know us and work with us. It was really nice to have a professor that was so excited about the class and one that really tried to get his students involved and excited about it too! He really tried to present the material in new/exciting ways and was very successful. I really did not think I would end up enjoying the course because it seemed a little boring and something I was not very interested in. However, I could really tell he put in a lot of effort to be prepared for class and find new ways to present the material and it really paid off!

Alex was probably the best professor I've ever had. His enthusiasm and approachability make him a wonderful professor, and his knowledge of the material is obviously vast. Thanks for a great semester!

Dr Hainin is my favorite professor I've had at UA. Phenomenal communicator, always clear on expectations, and more than willing to help

Dr. Hainin always went above and beyond the make the material both easy to understand and enjoyable. He is truly passionate about transportation engineering and made the class fun for me. I feel like I learned a lot from him.

Dr. Hainin is an excellent professor! He is very enthusiastic and brings a positive energy every day to class, which helped me stay engaged during lectures. Dr. Hainin pushed me to the best of my ability and even though I do not plan on going into transportation, feel that taking his class was very valuable.

Dr. Hainin is one of the best professors I have had, and I know many other students feel this way. He is excited about the material, always wanting to talk to students and learn more. He always had interesting videos and demos to showcase the material, most of which he made himself. It is clear that he genuinely cares.

Dr. Hainin really loves transportation engineering, and I think that makes it easier for his students learn.

Dr. Hainin was a great professor! He was probably one of the best I have had in college. His teaching style made it very easy for the class to really comprehend the material. Dr. Hainin was always available outside of class. If anyone had a question, it could be easily answered very quickly.

Dr. Hainin was the best professor I have ever had at UA. He cares about his students a lot and is always available to students outside of class. In fact, one time we emailed him about an in class design problem and he responded the same night with a video on how to work the problem. He is so enthusiastic about what he does and truly wants students to succeed.

Dr. Hainin was very passionate and enthusiastic about the class. He seem to make a really boring class somewhat interesting.

Dr. Hainin's enthusiasm towards the topics taught in the course made all of the other students excited about the topic as well.

Great instructor. Always available/ready to talk outside of the classroom, and always enthusiastic

Greatest professor I have ever had. I wish he taught all of my courses because he is a great professor and communicator. He makes it really hard to not be excited about transportation engineering when he's so excited every day. 10/10.

Huge enthusiasm for the class. Even when you didn't want to be there. He made you want to be there. Enjoys what he teaches and made me more interested in the course.

I absolutely loved Dr. Hainin. Looked forward to going to class and felt very comfortable talking with him outside of class. Professor Hainin is by far my favorite teacher I've had in college. He makes even the most boring material exciting.

I cannot speak highly enough about Dr. Hainin. He is by far one of the best professors I have had the pleasure to study under during my time at UA. He effectively engages his students, provides relatable examples, his assignments are not only great study resources but are also interesting, and all of this with a subject that most would consider a boring subject, and at 9 am three times a week no less! I believe he greatly cares about his students as individuals, which is far too uncommon in our university. I can't even imagine how he could improve, as I can't recall any professor in my career being more effective at reaching his students while still maintaining professionalism. If I had to give a criticism, it would be that he uses the phrase "you guys" instead of "y'all". Seriously, that's the only thing that I can think. He really is that good at his job. Whatever the University is paying Dr. Hainin, it is not nearly enough to reward him for his exceptional teaching.

I really enjoyed his enthusiasm for the material he was teaching. I also appreciated his understanding that the students had other classes so he was accommodating enough to push back deadlines if need be.

Professor Hainin is by far my favorite professor since I have been at the Capstone. He is very knowledgeable in the material and is always available and happy to help you out. I have never seen a professor that enjoys what they are teaching as much as Professor Hainin does with transportation. Very enjoyable class and made the class interesting.

Professor Hainin is by far the best professor I have had at UA. He is energetic and passionate about what he does and really cares that his students actually grasping the material. Excellent professor.

Very good communicator and engaging teacher.

12/31/2015

Alexander Hainen (CE 350-001 Intro. to Transportation Eng)

Very good professor. Enthusiastic about material, and always willing to meet with students and help outside of class.
best professor ive had. passionate about the material
favorite instructor so far

Any additional comments about the course.

Enjoyed the course

Great course! Stirred my interest in Transportation Engineering

I believe students will have a better chance at completing the in-class design problems if the homework is due beforehand.

I hated actually doing transportation engineering problems, but for some reason I still am finding myself really liking transportation engineering and considering moving onto the 400 level equivalent.

The interesting topics taught made me consider this as a possible career path

I now understand transportation and highway design better so I enjoy driving down the road and noting why a sign is where it is or the reason for a road marking. It's fun to guess the curvature of a road, too.

If you're going to do away with the A+, then do away with the A- too! It seems like a bit of a double standard. Or at least don't require students to make a 95 to earn an A.

One of the most enjoyable classes I have ever had, and I can't imagine it being better in any way than it was taught this semester. I do wish we had covered more topics besides automobile transportation (planes, trains, etc.), but I believe that may be left for a future class.

Well structured. Fair grading. Enjoyed the class.

loved this course!!!!

SOI Report: Spring 2015

56 Surveyed

Alexander Hainen (CE 350-001 Intro. to Transportation Eng)

Question	Num Resp	Resp Rate	Mean	Std Dev	Strongly Agree Agree Undecided Disagree Strongly Disagree				
					Strongly Agree	Agree	Undecided	Disagree	Strongly Disagree
The procedure for grading was fair.	28	50%	4.82	0.48	85%				10% 3%
The course was a valuable learning experience.	28	50%	4.82	0.39	82%				17%
The instructor was...									
an effective communicator.	28	50%	4.86	0.45	89%				7% 3%
accessible to students outside of class.	28	50%	4.82	0.39	82%				17%
well-prepared for class.	28	50%	4.93	0.26	92%				7%

Question	Num Resp	Resp Rate	Mean	Std Dev	A B C D F Other					
					A	B	C	D	F	Other
What grade do you expect to receive in this course?	28	50%	4.70	0.54	71%				21% 3% 3%	

Question	Num Resp	Resp Rate	Mean	Std Dev	Excellent Above average Average Below average Failure				
					Excellent	Above average	Average	Below average	Failure
How would you rate this course?	28	50%	4.71	0.46	71%				28%
How would you rate the instructor of this course?	28	50%	4.82	0.39	82%				17%

Question	Num Resp	Resp Rate	Mean	Std Dev	Always Usually Often Sometimes Rarely				
					Always	Usually	Often	Sometimes	Rarely
How frequently did you attend class?	28	50%	4.75	0.52	78%				17% 3%

Any additional comments about the instructor.

Loved this class. The material was not always interesting or easy to understand but Dr. Hainen always made it easy to pay attention to and taught it in a way we could understand. His energy helped me want to go to class and do well. Dr. Hainen is probably my favorite professor/teacher I have ever had.

Sometimes you went though the problems too fast. You would ask if there were any questions, but people had not had a chance to think about it to be able to ask anything. Overall I really enjoyed your teaching style because it combined problem working while looking at the real world as well.

Awesome professor. More professors need to be like Alex.

Dr. Hainen is the most energetic, caring, kind professor that I have ever had, and I wish I could take him for every class. He is extremely prepared every day, and always willing to help. He has a unique approach to teaching the class that makes it much more fun than other classes. I don't even want to go into transportation when I graduate, but each time I go to his class, I constantly find myself thinking, "man, transportation seems like a fun career." In other words, his use of technology, his approach to teaching the class, and his awesome personality make me sad that I won't be in his class again after this semester.

Dr. Hainen is a brilliant young professor. He is new and fresh and enthusiastic. I know in time he will not be so new and fresh faced, but I hope his enthusiasm never fades. He is clearly very intelligent and knowledgeable, especially in regards to the material he teaches. He is highly engaging, and invests on or above par for his student's investments in the class. He is almost always available outside of class, and willingly so.

I have never encountered anyone in the department with as fervent a passion for learning, improving, and teaching the material of his expertise as that of Dr. Hainen's. He is, assuredly, a remarkable new hire.

By the time students in our department make it to the 300 and 400 level course work, we are wearied and demotivated by the coursework in our first two years of university that seems mostly to be aimed at washing out as many of us as possible. Given this state, the attitude of the professor makes a massive difference for all of us who try to be good students; and, Dr. Hainen has good attitude in spades.

Hainen is, without a shadow of a doubt, an invaluable asset to this department.

Incredibly energetic and excited to teach the class. Loved the enthusiasm, it pumped me up to learn.

He was a very good teacher. Very excited about the course which helped me stay more focused.

Dr. Hainen is without a doubt the best professor I have had yet at this university. He worked very hard on his notes, powerpoints, and example problems. He went quickly, but he always asked questions to make sure everyone was caught up and understood things. He grades quicker than any professor I've ever had, and assigns relevant, realistic, and practical homework. He makes me want to do more transportation engineering.

Loved his enthusiasm toward all of the topics we covered. Also, made a great attempt to relate what he was teaching to somewhere in the area of Tuscaloosa, which helped make the class better.

By far the best teacher I've had at UA! Made this class very fun and a valuable experience!

One thing that I would consider doing is making the homework assignments due before you assign the in class design problems for that chapter. This will make the problems more likely to be completed in a class period because everyone will have done the homework before then. Other than that, thanks for the awesome semester.

He is so enthusiastic about the class that it made me so much more excited to be there. He was also very helpful outside of class.

This class was a class I never wanted to miss. Not because it was inherently difficult, but because Dr. Hainen was passionate about the subject and it showed while he was teaching. I loved being in class and hated it when I had to miss. Definitely one of my most favorite faculty members I have had here at UA.

Hainen is the best professor I have had at the University of Alabama. He knows his material and is really passionate about teaching. Transportation is my least favorite part of civil engineering, but I sat in the front row every class because he made it really interesting and cool. He puts in a lot of effort into his daily power point presentations and he really cares about the students. I wish there were more professors like Hainen!

At times, the material was taught too fast to retain the important information. Otherwise, his enthusiasm for teaching was evident and made it easier to learn. He also did a great job relating the material back to real world applications.

Dr. Hainen was amazing!! He made class so exciting and something to look forward to. He was always using real-life examples of what we were talking about, used great powerpoints and diagrams, and was there to help the student. He would ask how we wanted to do some things in class and was always there to listen to us. Best teacher I have ever had at UA

Any additional comments about the course.

Thanks for working so hard to have such positive impacts on our department!

None.

I think there were too many problems assigned with the homework. The homework was not given too often, just required too much time. Also, I did not like having the big project due during dead week. It may be more beneficial to move it up a week.

Survey Report

<https://courseval.itap.purdue.edu/etw/ets/et.asp?nxappid=WQC&nxmid=f...>

CE Standard LAB Supervisor Survey
 FA09 2009

Purdue University
 West Lafayette

Course: CE33100 5 - Engr Materials II

Department: CE

Course Coordinator: Alexander Hainen

Faculty: Hainen, Alexander M

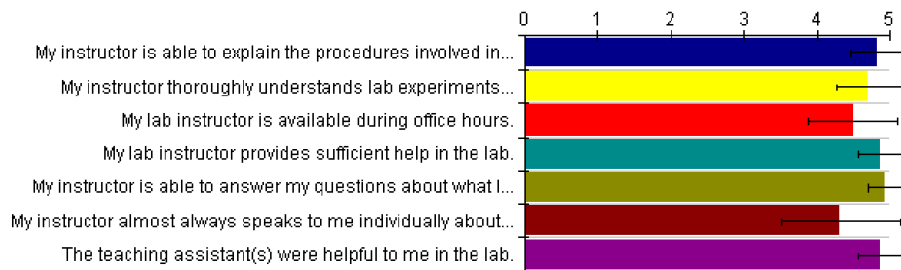
Category/Section: 2b - University questions about your instructor/University required question about your instructor



[E] Very Poor=01 | [D] Poor=02 | [C] Fair=03 | [B] Good=04 | [A] Excellent=05

KEY	Questions	Statistics				Frequency					Response	
		Mean	Med.	Mode	S.D.	E	D	C	B	A	Rec.	Exp.
	Overall, I would rate this instructor as:	4.9	5.0	5	.31	-	-	-	2	16	18	23

Category/Section: 3c - PICES instructor based questions/Laboratory Courses (PICES 505-532)



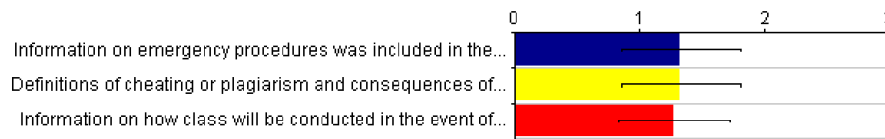
[E] Strongly Disagree=01 | [D] Disagree=02 | [C] Undecided=03 | [B] Agree=04 | [A] Strongly Agree=05

KEY	Questions	Statistics				Frequency					Response	
		Mean	Med.	Mode	S.D.	E	D	C	B	A	Rec.	Exp.
	My instructor is able to explain the procedures involved in the experiments.	4.8	5.0	5	.37	-	-	-	3	15	18	23
	My instructor thoroughly understands lab experiments/equipment.	4.7	5.0	5	.45	-	-	-	5	13	18	23
	My lab instructor is available during office hours.	4.5	5.0	5	.60	-	-	1	7	10	18	23
	My lab instructor provides sufficient help in the lab.	4.9	5.0	5	.31	-	-	-	2	16	18	23
	My instructor is able to answer my questions about what I should be doing in the lab.	4.9	5.0	5	.24	-	-	-	1	16	17	23
	My instructor almost always speaks to me individually about experiments in progress.	4.3	4.5	5	.82	-	1	1	7	9	18	23
	The teaching assistant(s) were helpful to me in the lab.	4.9	5.0	5	.31	-	-	-	2	16	18	23

Category/Section: ENGR Added to all ENGR courses - Instructor/ENGR Added to all ENGR courses - Instructor

Survey Report

<https://courseval.itap.purdue.edu/etw/ets/et.asp?nxappid=WQC&nxmid=f...>



[C] Strongly Agree=01 | [B] Agree=02 | [A] Strongly Disagree=03

K E Y	Questions	Statistics				Frequency			Response	
		Mean	Med.	Mode	S.D.	C	B	A	Rec.	Exp.
	Information on emergency procedures was included in the syllabus, and the instructor discussed it in class.	1.3	1.0	1	.47	12	6	-	18	23
	Definitions of cheating or plagiarism and consequences of those actions were included in the syllabus, and the instructor discussed them in class.	1.3	1.0	1	.47	12	6	-	18	23
	Information on how class will be conducted in the event of a major campus emergency was included in the syllabus, and the instructor discussed it in class.	1.3	1.0	1	.45	13	5	-	18	23

Faculty: Hainen, Alexander M

Question: We welcome your written comments below. What is something/are some things that the instructor does well, e.g., something you hope that the instructor will continue to do in the class in the future?

Response Rate: 50.00% (9 of 18)

- 1 Alex was well prepared for labs. The lab prep lectures were helpful.
- 2 Was brief in explanations. Showed what was expected in the write up and didn't take two hours to explain things.
- 3 You did a great job learning names. I really felt like you performed superbly in every lab. Nice job across the board
- 4 Clearly explains what is going on; Doesn't waste time explaining things more than they need to be
- 5 Alex goes above and beyond the call of duty. All the other sections were jealous because we had Alex as a TA. Keep up the good work.
- 6 he knows the material and explains it simply and directly to the point. He emails out corrections and is very able through email or office hours. Great TA.
- 7 Alex is very friendly and explains the labs very well. He is also a sexy beast and probably has the strength of a thousand oxen. These attributes, however, don't even tip the proverbial iceberg of Alex's awesome characteristics. If there does exist a golden genius in the world of civil engineering materials, then he has been found. Rally the elderly! Find your children! A man of men walks among us. But seriously, Alex is a great TA.
- 8 Alex did everything well. Somethings that I liked best that he did was that he explained everything clearly and thoroughly, was always willing to help a student, and most importantly he would make sure he gave students the correct answer rather than making up an answer if he didn't know the correct answer. Alex would take the time to go and look up the answer before saying anything and then get back to use immediately after. That is something I've never seen a TA do before and wish more TAs did go and do.
- 9 This is BY FAR the best lab instructor I have EVER had. First and foremost, he was very enthusiastic about the material - there were times he would say "guys, this is really cool stuff" and that would make all of want to pay attention and consequently learn. He was able to explain things at whatever level we needed - dumbed down for harder subjects and then more precise explanations if we understood the material and wanted more information. He related well to the students and helped us complete labs in a timely manner while teaching the material precisely and effectively. He also clearly wanted the students to succeed - I remember once, I was in a computer lab and he came in to find a student who had left their notebook in the lab, another student asked a question which he didn't know the answer to, so Alex left but came back 15 minutes later with the answer - I've never had a TA that would drop everything to help a student like that. He was always in his office or willing to set up a meeting for questions on labs, homework or anything civil related. He also was considerate - he would send out an email to let us know to plan on a lab running long or warn us not to wear nice clothes if a lab was going to be messy. All in all, I would take ANY class as long as he was a TA for it because I feel he makes it easy to exceed even in a difficult class. Hire him when he graduates.

Faculty: Hainen, Alexander M

Question: Make a suggestion(s) for improving the course (a criticism alone is not helpful; tell your instructor how you would fix any problem).

Response Rate: 33.33% (6 of 18)

- 1 Reduce the lab class size.