

### **CEU Credit**

We will provide 1.0 CEU to professionals who complete 10 contact hours of this course which includes participating in at least 5 seminars, the completion of an Odyssey Plan, and the Professional Profile project.

### ***Careers in Transportation Seminar***

(listed as CGN4905 - Special Problems in Civil Engineering: Careers in Transportation Sem)

CGN4905 Section: 27863

**Class Periods:** Thursday, Periods 8-9, 3:00 PM – 4:55 PM, ET

**Location:** Online

*(Zoom link will be posted in the Announcements section on Canvas and/or emailed to students)*

**Academic Term:** Fall 2022

#### ***Instructor:***

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**Office Hours:** Tuesday, 1-3 PM, 339 Weil Hall

**Teaching Assistants:** none

#### ***Course Description***

Careers in Transportation is a 1-credit seminar that introduces students to the diverse field of transportation and the many professional opportunities available. Each week, a different topic in transportation will be explored through the lens of at least two professionals. Speakers will represent the private, public, non-profit, and academic spheres. Along the way, students will participate in short activities and assignments to explore personal experiences and academic interests as they relate to the transportation industry and potential career pathways. Due to the highly interdisciplinary nature of the transportation field, this seminar is appropriate for all majors including, but not limited to, engineering, planning, sustainability, environmental studies, marketing, journalism, communications, political science, anthropology, business, and more.

#### ***Course Pre-Requisites / Co-Requisites***

none

#### ***Course Objectives***

1. Students will assess their personal knowledge of transportation careers by completing 100% of the questions on a pre- and post-survey. (Survey)
2. Students will examine the role of transportation in society through discussions posts related to personal observations and experiences, peers' experiences, hands-on activities, and multimedia. (Discussions)
3. Students will increase their knowledge of transportation careers by engaging in conversations with professionals. (Guest Speakers and Networking Event).
4. Students will identify and research a transportation career by interviewing a professional and creating a 2-minute professional profile video that they will share with the class. (Project)
5. Students will identify potential pathways to pursue a transportation career through personal self-assessments and peer support. (Odyssey Plan and Small Group Discussions)

## Materials and Supply Fees

Computer with internet access and phone with a camera

## Required Textbooks and Software

Optional (\$19.99) - StrengthFinder Survey,

<https://www.gallup.com/cliftonstrengths/en/254033/strengthsfinder.aspx>

## Recommended Materials

None

### Online Course Recording

Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

Speaker presentations will be recorded. Following the presentations, there will be a live Q&A session that will not be recorded.

## Course Schedule

Week	Topic	Speaker(s)
8/25	Introduction	<ul style="list-style-type: none"><li>Lily Elefteriadou, Ph.D., Director of University of Florida Transportation Institute, Barbara Goldsby Professor of Civil Engineering</li><li>Erin Lin, UF Career Connections Center</li></ul>
9/1	Electric Vehicle Technology	<ul style="list-style-type: none"><li>Ria Kontou, Ph.D., University of Illinois at Urbana-Champaign</li><li>Jarret Stoltzfus, Proterra</li></ul>
9/8	Sustainability and Environment	<ul style="list-style-type: none"><li>Stephanie Bolyard, Research Engineer at NCDOT</li><li>Patty Cramer, Ph.D., Independent Transportation Ecologist</li><li>Robert Horton, PE, VP Environmental Affairs &amp; Sustainability, Dallas Ft. Worth International Airport</li></ul>
9/15	Advocacy and Policy	<ul style="list-style-type: none"><li>Beth Osborne, Director, Transportation for America</li><li>Benito Perez, Policy Director of Transportation for America</li><li>Abi Grimminger, Communications, Transp. for America</li><li>Alex Bond, USDOT Policy Analyst</li></ul>
9/22	Transportation Planning & Data, Part I	<ul style="list-style-type: none"><li>Megan McGinley, HDR</li><li>Tyler Valila, HDR</li><li>Esther Chitsinde, HDR</li></ul>
9/29	Networking Event  IN PERSON, no Zoom class this week	<ul style="list-style-type: none"><li>Plan ahead to attend one of the following events to practice your elevator pitch:<ul style="list-style-type: none"><li>UF Career Showcase – September 26<sup>th</sup>, 27<sup>th</sup>, and 28<sup>th</sup> (different focuses on different days) (<a href="https://career.ufl.edu/events-and-programs/career-fairs/career-showcase/">https://career.ufl.edu/events-and-programs/career-fairs/career-showcase/</a>)</li><li>ESSIE Evening with Industry – September 27<sup>th</sup> (pre-registration required: <a href="https://www.essie.ufl.edu/evening-with-industry/">https://www.essie.ufl.edu/evening-with-industry/</a>)</li></ul></li></ul>
10/6	Big Data, Artificial Intelligence & Inclusive Design	<ul style="list-style-type: none"><li>Alexandra Kondyli, Ph.D., University of Kansas</li><li>Patrick Emami, Ph.D., National Renewable Energy Laboratory</li><li>Pruthvi Manjunatha, Ph.D., University of Florida</li></ul>
10/13	Innovative Transportation Technology	<ul style="list-style-type: none"><li>Stan Caldwell, Carnegie Mellon University</li><li>Joshua Johnson, Lyft (Tentative)</li></ul>

		<ul style="list-style-type: none"> <li>• Lisa Kay Schweyer, Carnegie Mellon University</li> </ul>
10/20	Transportation Planning, Part II	<ul style="list-style-type: none"> <li>• Jessica Mackey, Benesch</li> <li>• Thuha Nguyen, Via Planning</li> <li>• Miguel Lugo, Ph.D., US Army Corps of Engineers</li> </ul>
10/27	Communications and Public Engagement	<ul style="list-style-type: none"> <li>• Amanda Day, Day Communications, Inc.</li> <li>• Cantrece Jones, ADG Jacksonville</li> <li>• Calvin Tuttle, University of Michigan</li> </ul>
11/3	Economics and Public Transit	<ul style="list-style-type: none"> <li>• David Kack, Western Transportation Institute, Montana State University</li> <li>• Chad Riding, Caltrans</li> </ul>
11/10	Equity and Accessibility	<ul style="list-style-type: none"> <li>• Amar Cid, Caltrans Office on Race and Equity</li> <li>• Noreen McDonald, University of North Carolina</li> <li>• David Yang, AAA Foundation</li> </ul>
11/17	Internships, Students, and Recent Graduates	<ul style="list-style-type: none"> <li>• Leoni Barkakati, Kittelson (UF grad)</li> <li>• Rebecca Kiriazes, Ph.D., Catholic University of America, (Georgia Tech grad)</li> <li>• Lindsey Oluyede, Ph.D., Presidential Research Fellow, Arizona State University (UNC Chapel Hill grad)</li> <li>• Elisabeth Staten, Planner, City of St. Petersburg, FL (UF grad)</li> </ul>
12/1	Project Presentations	

### ***Attendance Policy, Class Expectations, and Make-Up Policy***

Students are expected to participate in the live Zoom session with speakers each week during the designated class periods. During the question and answer portion of each class, students are expected to actively engage with guest speakers. Discussion posts provide an opportunity for students to get to know one another, share their personal experiences and insights regarding transportation, and to reflect on the topics discussed by presenters. Students are allowed one absence without penalty. In-person attendance at the networking event is required. If you anticipate not being able to attend, please contact the instructors as soon as possible to determine a make-up assignment. Excused absences must be consistent with university policies in the [Graduate Catalog](#) and require appropriate documentation. Additional information can be found in [Attendance Policies](#).

### ***Evaluation of Grades***

<b><i>Assignment</i></b>	<b><i>Total Points</i></b>	<b><i>Percentage of Final Grade</i></b>
Attendance & Participation (13)	90 total (7 each)	26%
Discussion Posts (11)	110 total (10 each)	31%
Odyssey Plan	50	14%
Project – Professional Profile	100	29%
<b>TOTAL</b>	<b>350</b>	<b>100%</b>

### ***Grading Policy***

<b><i>Percent</i></b>	<b><i>Grade</i></b>	<b><i>Grade Points</i></b>
90.0 - 100.0	A	4.00
87.0 - 89.9	A-	3.67
84.0 - 86.9	B+	3.33
81.0 – 83.9	B	3.00
78.0 - 80.9	B-	2.67
75.0 - 79.9	C+	2.33
72.0 – 74.9	C	2.00
69.0 - 71.9	C-	1.67
66.0 - 68.9	D+	1.33

<i>Percent</i>	<i>Grade</i>	<i>Grade Points</i>
63.0 - 65.9	D	1.00
60.0 - 62.9	D-	0.67
0 - 59.9	E	0.00

More information on UF grading policy may be found at:

[UF Graduate Catalog](#)  
[Grades and Grading Policies](#)

***Students Requiring Accommodations***

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the [Disability Resource Center](#). It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

***Course Evaluation***

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. [Click here for guidance on how to give feedback in a professional and respectful manner](#). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via [ufl.bluera.com/ufl/](http://ufl.bluera.com/ufl/). [Summaries of course evaluation results are available to students here](#).

***University Honesty Policy***

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” [The Honor Code](#) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

***Software Use***

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

***Student Privacy***

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see the [Notification to Students of FERPA Rights](#).

***Campus Resources:***

***Health and Wellness***

**U Matter, We Care:**

If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) or 352 392-1575 so that a team member can reach out to the student.

**Counseling and Wellness Center:** [counseling.ufl.edu/cwc](http://counseling.ufl.edu/cwc), and 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

**Sexual Assault Recovery Services (SARS)**

Student Health Care Center, 392-1161.

**University Police Department** at 392-1111 (or 9-1-1 for emergencies), or [police.ufl.edu](http://police.ufl.edu).

## Academic Resources

**E-learning technical support**, 352-392-4357 (select option 2) or e-mail to [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu).

**Career Resource Center**, Reitz Union, 392-1601. Career assistance and counseling.

**Library Support**, Various ways to receive assistance with respect to using the libraries or finding resources.

**Teaching Center**, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring.

**Writing Studio**, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers.

**Student Complaints Campus**

**On-Line Students Complaints**