



Transportation Institute
UNIVERSITY of FLORIDA

SUCCESSFUL COURSE DELIVERY DURING THE PANDEMIC

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What we teach:

- Courses (mostly undergraduate) in laboratory format
- Courses (undergraduate and graduate) as lectures
- Courses for professionals (~1,300 participants and 110 courses by McTrans, Tech Transfer Centers)
- Courses/activities for K-12 across STRIDE
- On-line graduate program in Engineering (EDGE: Electronic Delivery of Graduate Education)

How we handled the pandemic:

- Laboratory courses took place in person
- Remaining courses were:
 - Majority were on-line only
 - Several were hybrid
- Professional courses quickly modified for online delivery
- Courses/activities for K-12 were cancelled
- On-line graduate program in Engineering (EDGE: Electronic Delivery of Graduate Education) expanded, since many courses were online anyway

What went well:

- Quick Zoom calls of faculty/TAs with students to share documents, collaborate on-line
- Participation of external presenters/transportation professionals was easier
- Recorded classes available to students throughout the semester
- Expansion of existing online programs with increased participation
- Begun developing a transportation degree for professionals in collaboration with FDOT

What didn't go well:

- Student participation sharply declined
- Student performance declined
- Significant increase in mental health issues
- Students with no internet/low quality internet were at a disadvantage
- Students starved for interaction with peers, transportation professionals
- Young faculty with no existing networks felt isolated

What can we do in the future?

- Internet must be ubiquitous
- Make in-person classes more interactive
 - Real-world problem solving
 - Group activities
 - Interactions with professionals
- Continue to take advantage of the benefits of on-line courses at all levels
 - On-line class activities
 - Class materials on-line
 - Recordings
 - Visitors



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Questions?



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