

MSME/MSAE Guidance, Control and Dynamics.

CECS Grad Day – Fall 2021

Tarek A. Elgohary



UCF

Program Overview

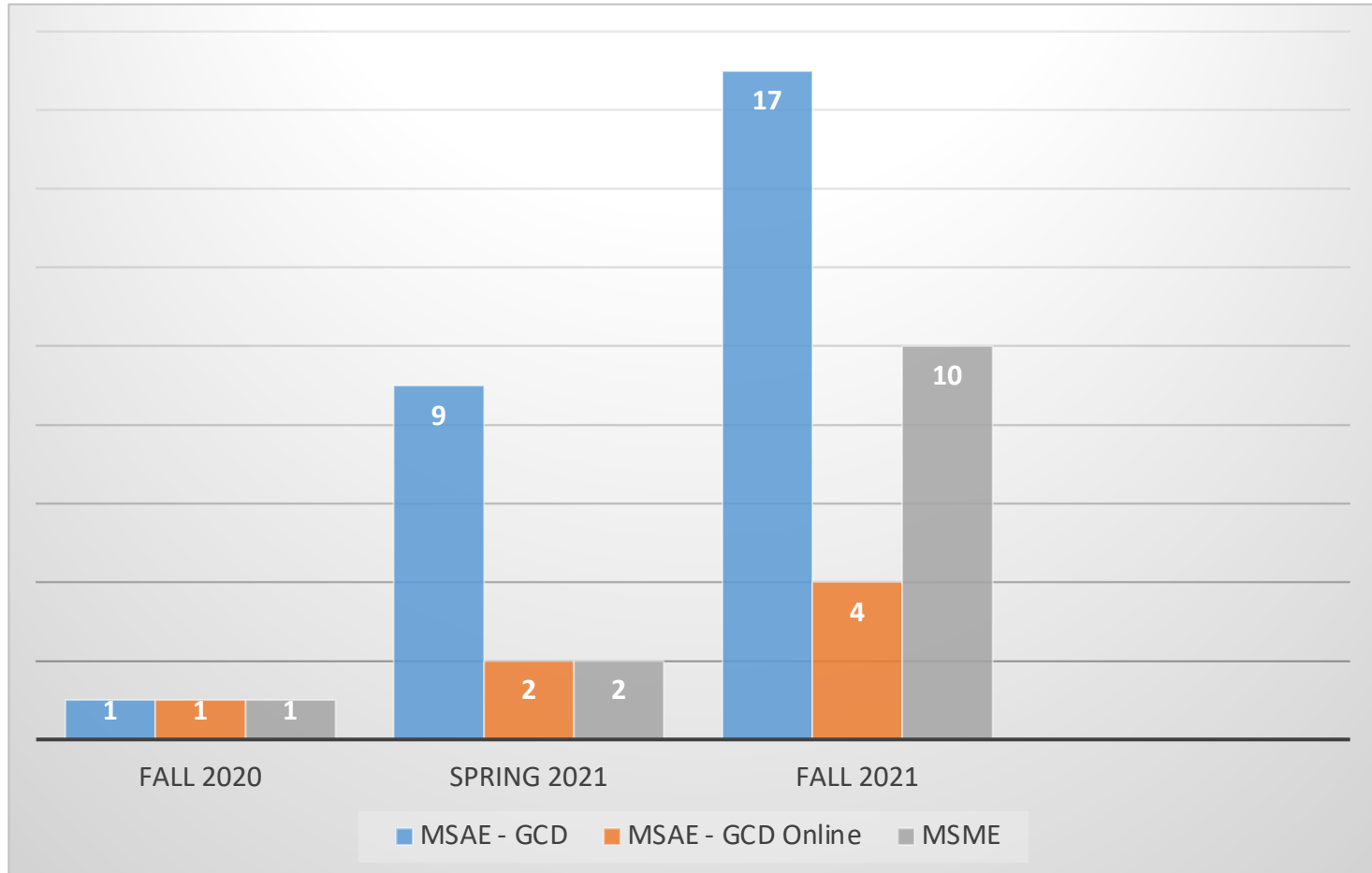
- Designed to meet the growing need in the job market for highly qualified engineers in concepts of dynamics, guidance, navigation, and control (GNC).
- State of the art courses in Mechanical and Aerospace Engineering disciplines focusing on GNC.
- Three Required Courses
 - Intermediate Dynamics - EML 5271
 - Linear Systems Theory/Systems Control - EEL 5173/EML 5311
 - Digital Control Systems - EEL 5630
- Electives (MAE/ECE)
 - Guidance, Navigation and Control – EAS 6415
 - Estimation of Dynamical Systems – EAS 6414 (New Course)
 - Advanced Flight Dynamics – EAS 6405
 - Topics in Astrodynamics – EAS 6507
 - Optimal Estimation for Control – EEL 6674
 - Modern and Optimal Control Systems – EEL 6671
 - Adaptive Control – EEL 6616

<https://www.ucf.edu/degree/aerospace-engineering-msae/guidance-control-and-dynamics/>

<https://www.ucf.edu/degree/mechanical-engineering-msme/guidance-control-and-dynamics/>

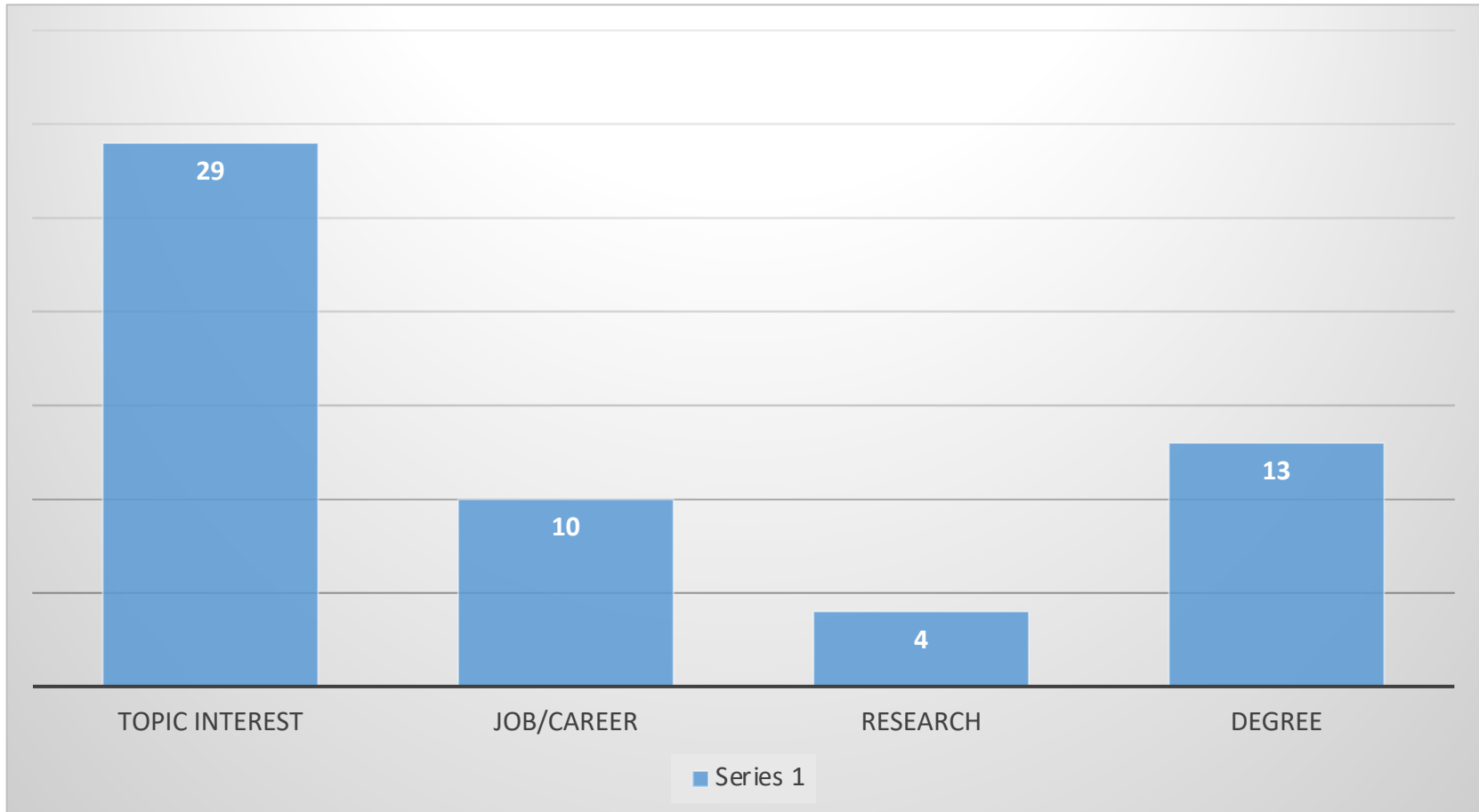


Enrollment Data*



*Special thanks to Lynn, Kamryn and Gabriela for your invaluable help on such a short notice.

EAS 6507 – Fall 2021 – 56 Students (A Snapshot)



Thank You



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