

Aerospace Seminar



**Jelliffe
Jackson**

Instructor, Smead Aerospace

Capstone Design – From Student to Practitioner

Friday, Dec. 7, 2018 | DLC | 12:00 P.M.

Abstract: The Smead Aerospace Engineering Sciences senior projects course provides our seniors a capstone experience, integrating the disciplinary knowledge from previous courses to conduct a realistic engineering design-build-test project to solve a complex engineering problem. Students are taken through a prototypical engineering design cycle in which they develop their detailed design in the fall and culminates with their system validation testing in the spring. They are taught to employ system engineering and project management methods to develop solutions to non-trivial problems with challenging performance objectives under firm time and budget limitations. This talk will provide an in-depth look at how the course is constructed and delivered to facilitate the transition from engineering student to engineering practitioner.

Bio: Jelliffe Jackson has been an instructor in the Smead Aerospace Engineering Sciences Department since the spring of 2011 and has taught at all levels, from freshmen in engineering projects to graduate students in engineering mathematics. He received his undergraduate degree in Mechanical Engineering from the University of the West Indies. Upon completion, he received a Fulbright Fellowship to pursue his graduate studies at the University of Florida where he obtained his Master's of Science in Aerospace Engineering and later his Doctor's of Philosophy in Mechanical and Aerospace Engineering. He then returned to Trinidad and Tobago where he taught at the University of the West Indies and the University of Trinidad and Tobago in the areas of heat and mass transfer, thermodynamics, fluid mechanics, structural mechanics and engineering design. When Jelliffe is not preparing lesson plans, he can find him either watching or playing any number of sports.



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