

TO: Faculty of Schools of Engineering

FROM: Faculty of the School of Aeronautics and Astronautics

SUBJECT: Change in Prerequisite and Corequisite for AAE 251

The Faculty of the School of Aeronautics and Astronautics has approved the change in prerequisite and corequisite for the course listed below. This action is now submitted to the Engineering Faculty with a recommendation for approval.

FROM:

**AAE 251 - Introduction to Aerospace Design**

Sem. 1 and 2, class 3, cr. 3.

Prerequisite: CS 152; corequisite: MA 261.

The role of design in aerospace engineering. Introduction to aerodynamics, performance, propulsion, structures, stability and control, and weights. Layout and general arrangement of aerospace vehicles. Design concept generation and selection. Computational methods for design. Trade studies and graphical optimization. Conceptual design exercise involving aircraft, spacecraft, or both. Technical presentations and communication for aerospace engineering.

TO:

**AAE 251 – Introduction to Aerospace Design**

Sem. 1 and 2, class 3, cr. 3

Prerequisite: ENGR 106; corequisite: CGT 163

The role of design in aerospace engineering. Introduction to aerodynamics, performance, propulsion, structures, stability and control, and weights. Layout and general arrangement of aerospace vehicles. Design concept generation and selection. Computational methods for design. Trade studies and graphical optimization. Conceptual design exercise involving aircraft, spacecraft, or both. Technical presentations and communication for aerospace engineering.

**Reason:** The proposed changes in course prerequisite and corequisite reflect the actual needs of the course.

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Thomas N. Farris, Professor and Head  
School of Aeronautics and Astronautics