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**Aircraft Structures for Engineering Students, Fourth Edition**

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Slide 1 BASIC AIRCRAFT STRUCTURES The basic aircraft structure serves multiple purposes. Such as aircraft aerodynamics; which indicates how smooth the aircraft flies thru the air (The Skelton of the aircraft greatly affects these aerodynamics and consist of frames and stringers.)

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The second part introduces the systems engineering problem-solving process, and discusses in basic terms some traditional techniques used in the process. An overview is given, and then the process of

## **SYSTEMS ENGINEERING FUNDAMENTALS**

AIRCRAFT BASIC CONSTRUCTION INTRODUCTION Naval aircraft are built to meet certain specified ... In an aircraft structure, shear (fig. 4-1, view D) is a stress exerted when two pieces of ... strength, more so than other fields of engineering would require. These materials must withstand the

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