

variable pitch controller - ___



Course Objectives

- 1. Describe the purpose, theory of operation, and function of a fan.
- 2. Describe the operation, components, and typical applications for each type of fan.
- 3. Identify typical auxiliary equipment associated with fans.
- 4. Describe common performance issues related to fans and their causes and indicators.



Key Terms (Define the following)

	Questions
/	Vhat are the units of measurement for: air flow volume fan speed
	ist the types of axial fans.
	What is the advantage of the vanes in a vane axial fan?
)	ist three applications where centrifugal fans are preferred over axial.) ()

5.	Blowers are used in applications that requirevolume and pressure.	
6.	Mixed flow fans combine the features of fans and fans.	
7.	Describe the advantage of a crossflow fan.	
8.	List three ways to control the volume of air produced by a fan. 1) 2) 3)	
9.	Dampers and inlet vanes change air volume by adding or removing	
10.	How is fan speed controlled?	
11.	What is the function of a variable pitch controller?	
12.	List five operation problems associated with fans. 1)	