



Skedsmo videregående skole

NO.147.0002

Rev. dato: 25.9.2014

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Årsplan for faget: Modul 17, Propeller		Ref: Grunnleggende mål i læreplan for programfagene
	 Godkjent avdelingsleder

Læremidler som skal benyttes, Revisjons dato LTT filer:

- **Lufthansa pakken LTT M17, Jun. 19. 2013**
- **Power Point presentasjoner:**
- **Basic Propeller**
- **Hamilton DASH 8 Propeller**
- **Dowty C-130J Propeller**

PART 66 referanse	Tema	Bok referanse	Ansvarlig lærer	Sign lærer Utført/dato
17.1	Fundamentals Blade element theory; High/low blade angle, reverse angle, angle of attack, rotational speed; Propeller slip; Aerodynamic, centrifugal, and thrust forces; Torque; Relative airflow on blade angle of attack; Vibration and resonance.	LTT 17.1 s 2-35 Basic Propeller Power Point		
17.2	Prop. Constructions Construction methods and materials used in wooden, composite and metal propellers; Blade station, blade face, blade shank, blade back and hub assembly; Fixed pitch, controllable pitch, constant speeding propeller; Propeller/spinner installation.	LTT 17.2 s 36-61 Basic Propeller Power Point		
17.3	Prop. Pitch Control Speed control and pitch change methods, mechanical and electrical/electronic; Feathering and reverse pitch; Overspeed protection.	LTT 17.3 s 62-99 Basic Propeller Power Point		
17.4	Prop. Synchronising Synchronising and synchrophasing equipment.	LTT 17.4 s 100-105 Basic Propeller Power Point		
17.5	Prop. Ice Protection Fluid and electrical de-icing equipment.	LTT 17.5 s 106-109 Basic Propeller Power Point		



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17.6	Prop. Maintenance Static and dynamic balancing; Blade tracking; Assessment of blade damage, erosion, corrosion, impact damage, delamination; Propeller treatment/repair schemes; Propeller engine running.	LTT 17.6 s 110-125 Basic Propeller Power Point		
17.7	Propeller Storage & Preservations	LTT 17.7 s 126-129 Basic Propeller Power Point		