



Skedsmo videregående skole

NO.147.0002

Rev. dato: 01.08.2014

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Årsplan for faget: M13 LASS		Ref: Grunnleggende mål i læreplan for programfagene
	 Godkjent avdelingsleder

Lærebøker, hefter og bilag som benyttes:

Revisjonsdatoer på LTT pdf dokumenter er i henhold til listen i
Delivery Reference B1.1 May 2014
Delivery Reference B2 Nay 2014

Egne bilag: Temperatur, Starter Generator, Structure Monitoring

Egne Bilag: Wulfsberg WT-2000 Overhaul Manual, DME supplement 4 sider, ELT supplement, WX supplement 6 sider, RNAV supplement 9 sider, VOR supplement 7 sider.

PART 66 referanse	Tema	Bok referanse	Ansvarlig lærer	Sign lærer Utført/dato
13.1	High speed flight	LTT 13.01E, s 52-71 LTT 13.01b, s 40 - 119		
13.1	Rotary wing aerodynamics	LTT 13.01E, s 72 - 129 LTT 13.01c, s 1 - 21		
13.2	Structures-general concepts. Skrog	LTT M13.02E, s. 1-17 LTT 13.02a, s 1 - 19		
13.2	Zonal and station identification systems. Dimension and areas	LTT M13.02E, s.18 -103 LTT M13.02b, s.20 - 30		
13.3	Basic Autopilot System Operation	M13.03 Side 1-29		
13.3	System Functions (Autopilot)	M13.03 side 30-169		
13.3	System Functions (Flight Director)	M13.03E side 170-185		
13.3	System Functions (Auto Throttle/Auto-Thrust)	M13.03 side 186 - 203		
13.3	Yaw Damper	M13.03 side 204-207		



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13.3	All Weather Operation (AWO)	M13.03 side 208 -221		
13.3	System Technology (Equipment) (System Architecture) (Capabilities &	M13.03 side 222 - 249		
13.3	Stability Augmentation (Helicopters)	M13.3 side 250-259		
13.4	Radio Com Fundamentals	M11.05.02 23 B1 E: 4-32 M13.04 23 B2 E: 24-192		
13.4.1	VHF Communication	M11.05.02 23 B1 E: 50-59 M13.04 23 B2 E: 238-251 B Wulfsberg WT-2000 Overhaul Manual		
13.4.2	HF Communication Selcal	M11.05.02 23 B1 E: 60-67 M13.04 23 B2 E: 252-269 M13.04 23 B2 E: 270-283		
13.4.3	Audio Systems Audio Integrating system Audio Management Interphone Public Address Radio Management System Satcom	M11.05.02 23 B1 E: 32-44 M13.04 23 B2 E: 192-203 M13.04 23 B2 E:204-209 M13.04 23 B2 E:210-221 M13.04 23 B2 E:222-227 M13.04 23 B2 E:228-237 M11.05.02 23 B1 E: 80-85		
13.4.4	Emergency Locator Transmitter ELT	M13.04 23 B2 E: 450-465 ELT supplement		
13.4.5	Cockpit Voice Recorder CVR	M11.05.02 23 B1 E: 46-49 M13.04 23 B2 E: 284-291		
13.4.6	VOR Navigation	M11.05.02 34 B1 E: 4-17, 38-50 M13.04 34 B2 E: 54-97		
13.4.7	Automatic Direction Finder ADF	M11.05.02 34 B1 E: 18-37 M13.04 34 B2 E: 14-47		
13.4.8	Instrument Landing System ILS & Marker Beacon	M11.05.02 34 B1 E: 52-71 M13.04 34 B2 E: 98-139		



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13.4.10	Distance Measuring Equipment DME	M11.05.02 34 B1 E: 80-89 M13.04 34 B2 E: 252-271 B DME supplement		
13.4.12	Doppler navigation	Ref: VOR navigation (DVOR) & Weather Avoidance Radar.		
13.4.13	Area navigation RNAV	B (AF: 406-415)		
13.4-14	FMS	M13.04E , s 618 – 735 M13.04 Nav pdf: s 618 - 735		
13.4-15	GPS	M13.04E , s 150 – 203 M13.04 Nav pdf: s 456 – 506		
13.4-16	INS	M13.04E , s 508 – 617 M13.04 Nav pdf: s 508 - 608		
13.4.17	Air Traffic Control transponder ATC	M11.05.02 34 B1 E: 106-113 M13.04 34 B2 E: 298-337		
13.4.18	TCAS	M11.05.02 34 B1 E: 114-131 M13.04 34 B2 E: 338-397		
13.4.19	Weather Avoidance Radar Radar Fundamentals	M11.05.02 34 B1 E: 90-105 M13.04 34 B2 E: 400-457 M13.04 34 B2 E: 206-251 B WX supplement		
13.4.20	Radio Altimeter	M11.05.02 34 B1 E: 72-79 M13.04 34 B2 E: 272-297		



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13.4.21	ACARS	M11.05.02 23 B1 E: 68-77		
13.5	Intro	M13.05 24E, s 2 – 21		
13.5	AC Power Generation	M13.05 24E, s 110 – 153		
13.5	Batteries - Inst and operation DC Power generation TRU	M13.05 24E, s 218 - 243		
13.5	Emergency Power generation	M13.05 24E, s 72 – 81		
13.5	Power Distribution	M13.05 24E, s 22 – 109		
13.5	Voltage regulation, Circuit protection	M13.05 24E, s 154 - 215		
13.5	Static Inverter	M13.05 24E, s 128 – 129		
13.5	External/Ground power	M13.05 24E, s 244 – 271		
13.5	Luftfartøy som har VSCF, starter generator, Alternator system	Bilag		
13.6	Equipment and furnishing ATA25	M13.06E, s 1 - 90 MTT 13.06, s 1-39		
13.7b	Electrical flight control system Fly by wire	M13.07 24E, s 176 – 229		
13.8	Air Data Instruments	M13.08E, s 1 – 83 M13.08B, S 1 - 93		
13.8	Air data computer	M13.08E, s 84-95 M13.08B, s 94 - 115		
13.8	Air data warning, Stall warning	M13.08E, s 96-103 M13.08B, s 116 - 145		



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13.8	Flight data recorder	M13.08E. s 104-111 M13.08B, s 146 - 159		
13.8	Heading reference system. Compass	LTT 13.08E s 230 – 273 LTT 13.08B S 166 - 206		
13.8	Fuel quantity indicating system	LTT 13.08E, s 466 – 483 LTT 13.08B, s 404 - 435		
13.8	Temperature indicating system	Bilag: temperaturmåling i fly		
13.8	Engine vibration monitoring	LTT 13.08E, s 460 – 465 LTT 13.08B, s 436 – 443		
13.8	Electronic instrument systems	M13.08E. s 206-275 M13.08B S 274 - 295		
13.8	EFIS	LTT M13.08E. s 276-309 LTT 13.08B, s 296 - 311		
13.8	Central warning system	LTT M13.08E. s 310-369 LTT M13.08B, s 313-343		
13.8	Ground proximity warning system	LTT M13.08E. s 370-403 LTT M13.08B, s 344-397		
13.10	Central Maintenance Computers Architecture	LTT M13.10, s 1 – 61		
13.10	CMC operation Printing Electronic library	LTT M13.10, s 62 – 109		
13.10	Data Loading Printing	LTT M13.10, s 110 – 119		
13.10	Structure Monitoring	LTT M13.10, s 124 – 127 Bilag		
13.11	Air Conditioning and Cabin Pressurisation (ATA21)	LTT M13.11, s 1 - 277		
13.14	Hydraulic Power (ATA 29)	LTT M13.14, s 1 - 131		
13.18	Pneumatic/Vacuum (ATA36)	LTT M13.18, s 1 - 63		
13.19	Water/Waste (ATA 38)	LTT M13.18, s 1 - 67		



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13.20	IMA(Integrated Modular Avionics) (ATA 42)	M13.20 side 1-37		
13.20	Modularized Avionics Warning Electronic Assembly (MAWEA)	M13.20 side 38-53		
13.20	Classic Ethernet Boeing 777	M13.20 side 54-59		
13.20	IMA B777	M13.20 side 60-79		
13.20	IMA A380	M13.20 side 80-89		
13.21	Cabin Systems Intro (ATA 44) Cabin Core Systems CIDS	M13.21 side 1-61		
13.21	ACCESS	M13.21 side 62-91		
13.21	NICE (Network Integrated Cabin Equipment) In-Flight Entertainment System Cabin Monitoring System External Comm System	M13.21 side 92- 120		
13.22	Information Systems(ATA46) Flight Deck Information System Aircraft & Cabin Info Network Electronic Flight Bag (EFB)	M13.22 side 1- 81		