

Sem	Course Code	Course Description	Faculty Name
2	A1.1	Introductory Experimental Aerodynamics*	Mir Feroskhan
2	A1.2	Propulsion*	Chan Wai Lee
2	A1.3	Instrumented Fuselage & Cylindrical Pressure Vessel*	Sunil C. Joshi
2	A1.4	Structural Vibration Analysis*	Ng Teng Yong
2	A1.5	Flight Mechanics Basics*	Ng Bing Feng
2	A1.6	Fluid Power in Integrated Landing Gear System*	Chow Wai Tuck
2	A1.8	Design of Glider*	Ng Bing Feng
2	E2.11	HANDS-ON MACHINING PRACTICE- LATHE	Yeo Swee Hock
2	E2.12	HANDS-ON MACHINING PRACTICE- MILLING	Appa Iyer Sivakumar
2	E2.13	Hands-on - VR/AR	Cai Yiyu
2	E2.2	Study of fan performance using dimensional analysis	Lam Chung Yau
2	E2.3	Energy balance in a compressor	Fei Duan
2	E2.4	Dimensional Measurement of Components	Wang Yifan
2	E2.5	Two-dimensional strain measurement	Fan Hui
2	E2.6	Frictional losses in pipes and fittings	Anutosh Chakraborty
2	E2.7	Refrigeration cycle experiment	Ng Yin Kwee
2	E2.8	Non-destructive testing	Chian Kerm Sin
2	E2.9	Balancing of rotating masses	Wu Mao See
2	E3.1	Dynamic Vibration Absorber	Shu Dong Wei
2	E3.2	Vibration of a 2-DOF System	Yeo Song Huat
2	E3.3	Computer Modelling, Simulation and Control of an Electromechanical System	Xie Ming
2	E3.5	Heat Exchanger	Marcos
2	E3.6	Transient Heat Conduction	Tuan TRAN
2	E3.7	COLLABORATIVE COMPUTER-AIDED ENGINEERING ON THE FUSION 360 PLATFORM	Lee Yong Tsui*
2	EG0001	Engineers and Society*	Lim Yeow Khee
2	EG0001	Engineers and Society*	Heng Kok Hui, John Gerard
2	EG1001	Engineers in Society*	Lim Yeow Khee
2	EG5003	PRODUCT DEVELOPMENT CHALLENGE*	Heng Kok Hui, John Gerard
2	MA0218	Introduction to Data Science and Artificial Intelligence	Sameer Alam
2	MA0303	HUMAN RESOURCE MANAGEMENT*	Chen Songlin
2	MA1001	Dynamics	Yap Fook Fah
2	MA1008	Introduction to Computational Thinking*	Lee Yong Tsui*
2	MA1700	Aerospace Discovery Course	Ng Bing Feng
2	MA1701	INTRO TO AEROSPACE ENG	Ng Bing Feng
2	MA2001	Mechanics of Materials	Tan Soon Huat
2	MA2002	Theory of Mechanism	Yeo Song Huat
2	MA2003	Introduction to Thermo-fluids	Huang Changjin
2	MA2004	Manufacturing Processes	Su Pei-Chen
2	MA2005	Engineering Graphics	Lim Choon Seng
2	MA2006	Engineering Mathematics	Xiao Zhongmin
2	MA2007	Thermodynamics	Fei Duan
2	MA2009	Intro to Electrical Circuits & Electronic Devices/ MA5705 Aircraft E & ED	Li Hong
2	MA2011	MECHATRONICS SYS INTERFACING	Cai Yiyu
2	MA2013	Creative Thinking Design	Moon Seung Ki
2	MA2024	ENGINEERING MATERIALS & MANUFACTURING PROCESSES*	Su Pei-Chen
2	MA2071	Laboratory Experiments (ME) (Overall Coordinator)	Wu Mao See
2	MA2079	Engineering Innovation and Design	Chou Siaw Meng
2	MA2700	Aerospace Materials & Manufacturing Process	Chow Wai Tuck
2	MA3001	Machine Element Design	Hoon Kay Hiang
2	MA3002	SOLID MECHANICS AND VIBRATION	Wu Mao See
2	MA3003	Heat Transfer	Leong Kai Choong
2	MA3004	MATH METHODS IN ENG	Ang Whye Teong
2	MA3005	Control Theory/MA3705 Aerospace Ctrl Theory	Lum Guo Zhan
2	MA3006	Fluid Mechanics	Liu Shukui
2	MA3071	ENGINEERING EXPERIMENTS (ME)	Shu Jian Jun
2	MA4001	ENGINEERING DESIGN	Ang Hock Eng
2	MA4002	FLUID DYNAMICS	Tuan TRAN
2	MA4012	MECHATRONICS ENGINEERING DES	Heng Kok Hui, John Gerard
2	MA4807	Marine Structural Integrity	Huang Weimin
2	MA4808	Marine Control Systems	Ang Hock Eng
2	MA4813	Building Services Engineering	Wan Man Pun
2	MA4819	Energy Technologies for Sustainability*	Sridhar Idapalapati
2	MA4829	Machine Intelligence	Moon Seung Ki
2	MA4830	R-T SOFTWARE FOR MECH SYS	Seet Gim Lee, Gerald*
2	MA4831	COMPUTER-AIDED ENGINEERING	Cai Yiyu
2	MA4843	MGMT OF PRODUCT DEVT	Moon Seung Ki
2	MA4845	MANUFACTURING AUTOMATION	Leong Kah Fai
2	MA4846	PRODUCT DESIGN ENGINEERING	Hoon Kay Hiang
2	MA4853	Manufacturing Systems	Appa Iyer Sivakumar
2	MA4854	Quality Assurance and Management	Goh Thong Ngee*
2	MA4870	Mechanics of Composite Materials*	Chai Gin Boay
2	MA4871	Non-Destructive Testing	Fan Zheng, David
2	MA4872	Aircraft Reliability & Maintainability	Goh Thong Ngee*
2	MA4880	AIRPORT OPERATIONS & SYSTEMS	Sameer Alam
2	MA4890	Autonomous Driving	Lyu, Chen

2	MA4891	AI/ML to Engineering Applications*	Lum Guo Zhan
2	MA5005	Start Up: Getting from Zero to Millions*	Heng Kok Hui, John Gerard
2	MA5105	ENGINEERING MANAGEMENT ANALYSIS*	Chen Songlin
2	P3.10	Plastic Injection Moulding	Chian Kerm Sin
2	P3.13	Performance evaluation of milling operations	Yeo Swee Hock
2	P3.14	Evaluation of surface finish produced by various methods	Murukeshan Vadakke Matham
2	P3.15	Product disassembly	Yeo Song Huat
2	P3.18	Motion control of a ball screw system	Seet Gim Lee, Gerald*
2	P3.23	Gas Turbine	Tuan TRAN
2	P3.24	Flow over an aerofoil section	Chan Weng Kong
2	P3.25	Compressible flow	PTL*
2	P3.26	Fan Characteristics for differ	Lam Chung Yau
2	P3.27	Thermal radiation unit	Ho Jin Yao
2	P3.32	Intro to Mechatronics*	Lum Guo Zhan
2	P3.33	Metaverse in Engineering	Cai Yiyu
2	P3.4	Ultimate load of beams under bending	Li Hua
2	P3.5	Machine vibration analysis and fault recognition	Tan Soon Huat
2	P3.9	CAD/CAM and CNC	Lye Sun Woh