

Sem	Course Code	Course Description	Faculty Name
1	E2.11	HANDS-ON MACHINING PRACTICE- LATHE	Su Pei-Chen
1	E2.11AE	HANDS-ON MACHINING PRACTICE- LATHE	Sunil C. Joshi
1	E2.12	HANDS-ON MACHINING PRACTICE- MILLING	Appa Iyer Sivakumar
1	E2.12AE	HANDS-ON MACHINING PRACTICE- MILLING	Sellakkutti Rajendran
1	E2.13	AR/VR*	Cai Yiyu
1	E2.1AE	Behaviour of Aerospace Frame Structures	Ng Teng Yong
1	E2.2	Study of fan performance using dimensional analysis	Chan Weng Kong
1	E2.2AE	Study of fan performance using dimensional analysis	Lam Chung Yau (MOE)*
1	E2.3	Energy balance in a compressor	Liu Shukui
1	E2.3AE	Energy balance in a compressor	New Tze How, Daniel
1	E2.4	Dimensional Measurement of Components	Murukeshan Vadakke Matham
1	E2.4AE	Tensile and viscoelastic properties of materials	Sunil C. Joshi
1	E2.5	Two-dimensional strain measurement	Fan Hui
1	E2.5AE	Two-dimensional strain measurement	Chow Wai Tuck
1	E2.6	Frictional losses in pipes and fittings	Shu Jian Jun
1	E2.7	Refrigeration cycle experiment	Ng Yin Kwee
1	E2.7AE	Real-Time ATC Radar Simulator	Sameer Alam
1	E2.8	Non-destructive testing	Zhou Wei
1	E2.8AE	Non-destructive testing	Fan Zheng, David
1	E2.9	Balancing of rotating masses	Wu Mao See
1	E2.9AE	Balancing of rotating masses	Chow Wai Tuck
1	E3.1	Dynamic Vibration Absorber	Yap Fook Fah
1	E3.1AE	Heat exchanger	Chow Wai Tuck
1	E3.2	Vibration of a 2-DOF System	Yeo Song Huat
1	E3.2AE	Performance of a gas turbine engine	Chan Wai Lee
1	E3.3	Computer Modelling, Simulation and Control of an Electromechanical System	Xie Ming
1	E3.3AE	GPS based navigation	Mir Feroskhan
1	E3.4AE	Characterization of advanced aerospace composites	Chai Gin Boay
1	E3.5	Heat Exchanger	Wong Teck Neng
1	E3.5AE	Surface characteristics of engine run turbine blade	Fan Zheng, David
1	E3.6	Transient Heat Conduction	Fei Duan
1	E3.7	COLLABORATIVE COMPUTER-AIDED ENGINEERING ON THE FUSION 360	Lee Yong Tsui*
1	E3.7AE	COLLABORATIVE COMPUTER-AIDED ENGINEERING ON THE FUSION 360	Ng Bing Feng
1	EG0001	Engineers and Society*	Lim Yeow Khee
1	EG0001	Engineers and Society*	Heng Kok Hui, John Gerard
1	EG1001	Engineers in Society*	Heng Kok Hui, John Gerard
1	EG1001	Engineers in Society*	Lim Yeow Khee
1	FE1073	An Introduction to Engineering and Practices	Sridhar Idapalapati
1	M1	Work and Energy	Li Hua
1	M2	Conservation of Momentum	Shu Dong Wei
1	MA0218	Introduction to Data Science and Artificial Intelligence	Sameer Alam
1	MA1001	Dynamics	Liu Shukui
1	MA1008	Introduction to Computational Thinking*	Lee Yong Tsui*
1	MA2001	Mechanics of Materials	Chou Siaw Meng
1	MA2002	Theory of Mechanism	Zhong Zhaowei*
1	MA2003	Introduction to Thermo-fluids	Marcos
1	MA2004	Manufacturing Processes	Zhou Wei
1	MA2005	Engineering Graphics	Lim Choon Seng
1	MA2006	Engineering Mathematics	Xiao Zhongmin
1	MA2007	Thermodynamics	Ng Yin Kwee
1	MA2009	Intro to Electrical Circuits & Electronic Devices/ MA5705 Aircraft E & ED	Li Hong
1	MA2012	Introduction to Mechatronics Systems Design	Ang Wei Tech
1	MA2014	PRODUCT PRESENTATION	Chen Chun-Hsien
1	MA2071	Laboratory Experiments (ME) (Overall Coordinator)	Wu Mao See
1	MA2072	LABORATORY EXPERIMENTS (AE)	Chai Gin Boay
1	MA2701	Flight Performance	Sellakkutti Rajendran
1	MA3001	Machine Element Design	Hoon Kay Hiang
1	MA3002	SOLID MECHANICS AND VIBRATION	Sellakkutti Rajendran
1	MA3003	Heat Transfer	Wong Teck Neng
1	MA3004	MATH METHODS IN ENG	Ang Whye Teong
1	MA3005	Control Theory/MA3705 Aerospace Ctrl Theory	Lum Guo Zhan

1	MA3006	Fluid Mechanics	Yeo Joon Hock
1	MA3010	THERMODYNAMICS & HEAT TRANSFER	Hou Han Wei
1	MA3071	ENGINEERING EXPERIMENTS (ME)	Shu Jian Jun
1	MA3072	ENGINEERING EXPERIMENTS (AE)	Chai Gin Boay
1	MA3700	Aircraft Structures I	Chai Gin Boay
1	MA3701	Aerodynamics	New Tze How, Daniel
1	MA3702	Aircraft Propulsion	Alessandro Romagnoli
1	MA3703	Flight Dynamics	Mir Feroskhan
1	MA3704	Aircraft Electrical Devices	Lyu, Chen
1	MA4001	ENGINEERING DESIGN	Ang Hock Eng
1	MA4002	FLUID DYNAMICS	Tuan TRAN
1	MA4011	ENGRG PRODUCT DESIGN	Chen Chun-Hsien
1	MA4012	MECHATRONICS ENGINEERING DES	Heng Kok Hui, John Gerard
1	MA4701	Aircraft Design	Chow Wai Tuck
1	MA4702	Aircraft Structures II	Ng Teng Yong
1	MA4704	AEROELASTICITY	Ng Bing Feng
1	MA4705	Aircraft Navigation & Flight Computers	Lim Yeow Khee
1	MA4804	Optimization Theory and Applications	Tai Kang
1	MA4811	Psychrometry & Air Conditioning	Yang Chun, Charles
1	MA4814	COMPUTATIONAL FLUID DYNAM	Chan Wai Lee
1	MA4822	Measurements and Sensing Systems*	Xie Ming
1	MA4825	ROBOTICS	Xie Ming
1	MA4832	MICROPROCESSOR SYSTEMS	Xie Ming
1	MA4842	Engineering Metrology	Murukeshan Vadakke Matham
1	MA4849	OPERATIONS RESEARCH	Lye Sun Woh
1	MA4850	SUPPLY CHAIN & LOGISTICS MGT	Rajesh Piplani
1	MA4856	NAVAL ARCH & MARINE ENG	Ang Hock Eng
1	MA4858	PRODUCT DESIGN	Chen Chun-Hsien
1	MA4881	AIR TRAFFIC MANAGEMENT	Sameer Alam
1	MA4882	Advanced Manufacturing and Materials Processing*	Hortense Le Ferrand
1	MA5004	Systems Thinking and Systems Engineering*	Yeo Khim Teck*
1	MA5005	Start Up: Getting from Zero to Millions*	Heng Kok Hui, John Gerard
1	MA7131	Finite Element Method*	Li Hua
1	MA7511	Design and Analysis of Experiments*	Goh Thong Ngee
1	MH2810	Mathematics A*	Sellakkutti Rajendran
1	P3.10	Plastic Injection Moulding	Chian Kerm Sin
1	P3.13	Performance evaluation of milling operations	Yeo Swee Hock
1	P3.14	Evaluation of surface finish produced by various methods	Murukeshan Vadakke Matham
1	P3.15	Product disassembly	Chen Chun-Hsien
1	P3.18	Motion control of a ball screw system	Seet Gim Lee, Gerald*
1	P3.1AE	Failure analysis and overhaul of aircraft components	Sellakkutti Rajendran
1	P3.23	Gas Turbine	Liu Shukui
1	P3.24	Flow over an aerofoil section	Chan Weng Kong
1	P3.25	Compressible flow	Yeo Joon Hock
1	P3.26	Fan Characteristics for differ	Lam Chung Yau
1	P3.27	Thermal radiation unit	Ho Jin Yao
1	P3.2AE	Flight instrumentatino and navigation	Mir Feroskhan
1	P3.32	Intro to Mechatronics*	Lum Guo Zhan
1	P3.33	Metaverse in Engineering	Cai Yiyu
1	P3.3AE	Design and implementation of electrohydraulic circuits	Ng Bing Feng
1	P3.4	Ultimate load of beams under bending	Li Hua
1	P3.4AE	Aerospace composite beams and their flexure behavious	Chai Gin Boay
1	P3.5	Machine vibration analysis and fault recognition	Tan Soon Huat
1	P3.5AE	Vibration measurement and analysis of multiple degrees of freedom systems	Sunil C. Joshi
1	P3.6AE	Familiarisation of ATC Tower Operations and Flight Sequencing	Sameer Alam
1	P3.7AE	Computational Aerodynamics	Chan Wai Lee
1	P3.8AE	Dynamics and control of 3-DOF helicopter	Alessandro Romagnoli
1	P3.9	CAD/CAM and CNC	Lye Sun Woh
1	P3.9AE	Flow over an aerofoil section	New Tze How, Daniel
1	RE2011	Renaissance Design I*	Tai Kang
1	RE6016	System Thinking and Holistic Decision Making*	Chen Songlin