

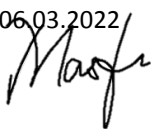
COURSE INFORMATION

School/ Faculty:	School of Mechanical Engineering / Faculty of Engineering	Page:	1 of 5
Course code:	SEMT 3822	Academic Session/Semester:	20212022/2
Course name:	Aviation Management	Pre/co requisite (course name and code, if applicable):	none
Credit hours:	2		

Course synopsis	This course is about the management of the aviation industry. It covers the basic concepts of management, project management, airport management, air traffic management, airworthiness, main activities of the aircraft manufacturer, main activities of the airline industry. The course shall use documents from the International Civil Aviation Organisation (ICAO) and Civil Aviation Authority Malaysia (CAAM). It is a blended course that combines traditional teaching methods to Problem-Based Learning (PBL) approach based on real problems in aviation and industrial visit of related industries.			
Course coordinator (if applicable)	Dr. Mastura Ab Wahid			
Course lecturer(s)	Name	Office	Contact no.	E-mail
	Dr. Mastura Binti Ab Wahid	C23-310	Ext. 34562	masturawahid@utm.my
	Dr. Norazila Binti Othman	C23-309	Ext. 34631	norazilao@utm.my

Mapping of the Course Learning Outcomes (CLO) to the Programme Learning Outcomes (PLO), Teaching & Learning (T&L) methods and Assessment methods:

No.	CLO	PLO (CODE)	Taxonomies and generic skills	T&L methods	Assessment methods
CLO1	Differentiate and outline basic management, the functions of aviation organizations, aviation regulations, safety features and requirements.	PLO1 (KW)	C4	Lecture, active learning	T, ASG
CLO2	Apply Network Analysis on solving project management using Critical Path and PERT methods.	PLO2 (THPA)	C3	Lecture, active learning	T, ASG, PR
CLO3	Analyse the process of airworthiness; from the initial and continuing airworthiness. Analyse and explain case studies.	PLO2 (THPA)	C4	Lecture, active learning	T, ASG, PR

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CLO4	Practice the ability to interact and communicate with confidence and behave according to the right ethical value in management in a group project.	PLO9 (CS), PLO10 (TW), PLO12 (ES)	A3 (CS3, TW1, ES1)	Project-Based	PR, Pr
Refer to Taxonomies of Learning and UTM's Graduate Attributes, where applicable for measurement of outcomes achievement T – Test; ASG– Assignment; PR – Project; Pr – Presentation					

Details on Innovative T&L practices:

No.	Type	Implementation
1.	Active learning	Conducted through in-class activities
2.	Project-based learning	Conducted through assignments and projects. Students in a group of 3 or 4 are given a project related to management in aviation activities.

Weekly Schedule:

Week 1	Introduction to Management and Organization
Week 2	Planning, Organising Function in Management
Week 3	Leading, Controlling Function in Management
Week 4	Critical Path Method (CPM)
Week 5	Programme Evaluation Review Technique (PERT)
Week 6	Project Planning – Resource Scheduling
Week 7	Project Planning - Project Crashing (Test 1)
Week 8	Mid-Semester Break
Week 9	ICAO – Annexes and SARPS, CAAM – Malaysian Aviation Regulations
Week 10	Airworthiness – Initial Airworthiness based on EASA Regulations
Week 11	Airworthiness –Continuing Airworthiness based on EASA Regulations
Week 12	Air Traffic Management

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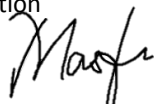
Week 13	Airport Management
Week 14	Class visits or Industrial talk
Week 15	Presentation and Test 2

Transferable skills (generic skills learned in course of study which can be useful and utilised in other settings):

Team working

Project Management, Finance & Entrepreneurship

Written communication



Student learning time (SLT) details:

Distribution of student Learning Time (SLT) Course content outline	Teaching and Learning Activities					TOTAL SLT	
	Guided Learning (Face to Face)				Guided Learning Non-Face to Face		Independent Learning Non-Face to face
CLO	L	T	P	O			
CLO 1	6h				3h	6h	15h
CLO 2	8h				3h	6h	17h
CLO 3	10h				3h	8h	21h
CLO 4	4h				3h	5h	12h
Total SLT	28h				12h	25h	65h

Continuous Assessment		PLO	Percentage	Total SLT
1	Test 1	PLO1 (KW)	20	1hr
2	Test 2	PLO2 (THPA)	20	1hr
3	Assignments x 4	PLO1 (KW), PLO2 (THPA)	15	4hr
4	Project 1	PLO2 (THPA)	20	4hr

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5	Project 2 and Presentation	PLO2 (THPA), PLO9 (CS), PLO10 (TW), PLO12 (ES)	25	5hr
Grand Total			100	80h

L: Lecture, T: Tutorial, P: Practical, O: Others

Special requirement to deliver the course (e.g: software, nursery, computer lab, simulation room):

None

Learning resources:

Text book (if applicable)	
1.	J. D. Richardson and Julie F. Rodwell, Essentials in Aviation Management, Kendall Hunt Pub Co, 2003.
2.	Stephen P. Robbins and Mary Coulter Management, Pearson Education, 2006.
3.	Civil Aviation Regulations 1996.
4.	ICAO Annexes and SARP documents url: https://www.icao.int/safety/CAPSCA/Pages/ICAO-SARPs-(Annexes-and-PANS).aspx (latest update 2018)
5.	EASA Regulations, url: https://www.easa.europa.eu/regulations (latest update:2018) http://elearning.utm.my

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Academic honesty and plagiarism: *(Below is just a sample)*

Assignments are individual tasks and NOT group activities (UNLESS EXPLICITLY INDICATED AS GROUP ACTIVITIES)
 Copying of work (texts, simulation results etc.) from other students/groups or from other sources is not allowed. Brief quotations are allowed and then only if indicated as such. Existing texts should be reformulated with your own words used to explain what you have read. It is not acceptable to retype existing texts and just acknowledge the source as a reference. Be warned: students who submit copied work will obtain a mark of **zero** for the assignment and disciplinary steps may be taken by the Faculty. It is also unacceptable to do somebody else's work, to lend your work to them or to make your work available to them to copy.

Other additional information (Course policy, any specific instruction etc.):

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Disclaimer:

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