Management Principles for Automotive Engineers

Module Information

2022.01, Approved

Summary Information

Module Code	5502ICBTAE
Formal Module Title	Management Principles for Automotive Engineers
Owning School	Engineering
Career	Undergraduate
Credits	15
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
International College of Business and Technology

Learning Methods

Learning Method Type	Hours
Lecture	45
Off Site	6
Tutorial	15

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
APR-PAR	PAR	April	12 Weeks

JAN-PAR	PAR	January	12 Weeks
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	This module aims to develop the knowledge and understanding of management and business practices related to automotive industry and to provide an appreciation of the wider engineering context and its underlying principles. He unit also aims to deliver key aspects of management in relation to projects and operations in engineering organizations. It also aims to develop the students' awareness of the economic, social, and environmental context of engineering and their implications in automotive engineering.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Apply fundamental theories and concepts of management in engineering organisations.
MLO2	2	Relate strategic management to automotive engineering domain through various approaches such as new product and process design and manufacture.
MLO3	3	Apply project management context in automotive engineering applications and carry out project initiation, planning, execution and closing of projects.
MLO4	4	Explain and apply fundamental theories and concepts from quality assurance and management in automotive manufacturing context and assess the impact of health and safety, industrial, labour and consumer laws.

Module Content

Outline Syllabus	Introduction to management contest and basics of strategic management in automotive design and manufacturing contextProject management, project initiation and feasibility, project planning, project execution and project closing related to none knowledge areas applied in automotive contextBasics of Operations management concepts; forecasting, lean concepts, supply chain, location planning etc. Introduction to ISO 9001 standards and quality management principlesHealth and safety aspects of manufacturing industryIntroduction to industrial relations and labour and consumer lawContinuous Professional Development
Module Overview	
Additional Information	

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Coursework	30	0	MLO4
Exam	Exam	70	2	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Karl Jones	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings