

# **Applied Mechanics 1**

# **Module Information**

**2022.01, Approved** 

# **Summary Information**

Module Code	4503MECBHG
Formal Module Title	Applied Mechanics 1
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

#### **Teaching Responsibility**

LJMU Schools involved in Delivery	
LJMU Partner Taught	

#### **Partner Teaching Institution**

Institution Name	
Beaconhouse Group	

# **Learning Methods**

Learning Method Type	Hours
Lecture	44
Tutorial	22

# Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

# **Aims and Outcomes**

Aims	To introduce the essential principles of applied mechanics
Aims	To madded the decential printspice of applied meditalises

## After completing the module the student should be able to:

## **Learning Outcomes**

Code	Number	Description	
MLO1	1	Use the principles of equilibrium to analyse coplanar static force systems.	
MLO2	2	Apply the concepts of stress and strain to simple engineering problems involving axial, shear, flexural and torsional loading.	
MLO3	3	Apply the principles of kinematics and dynamics to problems of motion	
MLO4	4	Apply the principles of work, energy, power, impulse and momentum to the solution of engineering problems.	

# **Module Content**

## **Assessments**

Exam	Exam	60	2	MLO1, MLO2, MLO3, MLO4
Essay	VLE Based Test	40	0	MLO1, MLO2, MLO3, MLO4

# **Module Contacts**

## Module Leader

Contact Name	Applies to all offerings	Offerings
Russell English	Yes	N/A

#### **Partner Module Team**