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## MSc In Mechanical Engineering (MSME)

MODE OF STUDY Taught - Full Time

SESSION 2020

STREAM MSME1 MSC IN MECHANICAL  
ENGINEERING

COURSE YEAR 1

LOCATION NUIG

START - END 01-SEP-20 - 31-AUG-21

[Summary](#) [Modules](#) [Students](#) [Staff](#)

### Modules (L1)

<a href="#">Module</a>	<a href="#">Type</a>	<a href="#">Credits</a>	<a href="#">Start Date</a>	<a href="#">End Date</a>	<a href="#">Sem.</a> ▼	<a href="#">Class List</a>
Advanced Applied Mathematics for Engineers 1 (MP553)	Core	5	01-SEP-20	31-AUG-21	1	
Advanced Computational Biomechanics (BME5100)	Core	5	01-SEP-20	31-AUG-21	1	
Advanced Energy Systems Engineering (EG5101)	Optional	5	01-SEP-20	31-AUG-21	1	
Advanced Mechanics of Materials (ME516)	Core	5	01-SEP-20	31-AUG-21	1	
Computational Methods in Engineering Analysis (BME6101)	Optional	10	01-SEP-20	31-AUG-21	1	
Non-Linear Elasticity (MP410)	Optional	5	01-SEP-20	31-AUG-21	1	
Partial Differential Equations (MP494)	Optional	5	01-SEP-20	31-AUG-21	1	
Research Methods for Engineers (ME521)	Core	5	01-SEP-20	31-AUG-21	1	
Systems Modelling and Simulation (CT561)	Optional	5	01-SEP-20	31-AUG-21	1	
Technology Innovation & Entrepreneurship (ME432)	Optional	5	01-SEP-20	31-AUG-21	1	
Advanced Applied Mathematics for Engineers 2 (MP554)	Core	5	01-SEP-20	31-AUG-21	2	
Advanced Finite Element Methods (BME501)	Core	5	01-SEP-20	31-AUG-21	2	
Advanced Manufacturing (ME5106)	Core	5	01-SEP-20	31-AUG-21	2	
Advanced Structures (CE509)	Optional	5	01-SEP-20	31-AUG-21	2	
Coastal and Offshore Engineering I (CE6101)	Optional	5	01-SEP-20	31-AUG-21	2	
Combustion Science and Engineering (ME5171)	Core	5	01-SEP-20	31-AUG-21	2	
Energy in Buildings (CE6113)	Optional	5	01-SEP-20	31-AUG-21	2	
Materials II (ME4109)	Optional	5	01-SEP-20	31-AUG-21	2	
Polymer Engineering (ME429)	Group not available to select online	5	01-SEP-20	31-AUG-21	2	
Turbomachines and Advanced Fluid Dynamics (ME426)	Optional	5	01-SEP-20	31-AUG-21	2	
Mechanical Engineering MSc Thesis (ME5107)	Core	30	01-SEP-20	31-AUG-21	7	
Previous Yr Exemption (EX005)	Group not available to select online	5	-	-	98	
Previous Yr Exemption (EX010)	Group not available to select online	10	-	-	98	
Previous Yr Exemption (EX015)	Group not available to select online	15	-	-	98	