



**GALGOTIAS  
UNIVERSITY**

## **CURRICULUM M. Tech –CAD-CAM**

**(2019-21)**

<b>First Semester</b>							
S No	Course Code	Course Title	L	T	P	C	Pre-requisite
1	MATH5001	Advanced Numerical and Statistical Methods	3	1	0	4	-
2	MCDM5001	Advanced Strength of Materials	3	0	0	3	-
3	MCDM5002	Advanced Materials and Processing	3	0	0	3	-
4	MCDM5003	Advanced Manufacturing Technology	3	0	0	3	-
5	MCDM5004	Product Design and Life Cycle Management	3	0	0	3	-
6	MCDM5005	Advanced Computer Aided Design	3	0	0	3	-
Total credits						19	

  
Department of Mechanical Engineering  
Galgotias University, Uttar Pradesh



SOEN4/DOME/M.Tech/1.1.2) 35/119  
CAD-CAM

## Second Semester

S No	Course Code	Course Title	L	T	P	C	Pre-requisite
1	CENG5001	Professional and Communication Skills	0	0	4	2	-
2	MCDM5006	Finite Element Methods	2	1	0	3	-
3	MCDM5007	Computer Integrated Manufacturing	3	0	0	3	-
4	MCDM5008	Advanced Vibration Engg.	3	0	0	3	-
5	MCDM5009	Computer Aided Process Planning	2	0	0	2	-
6		Elective 1	3	0	0	3	-
7		Elective 2	3	0	0	3	-
Total credits						19	

## Third Semester

S No	Course Code	Course Title	L	T	P	C	Pre-requisite
1	MCDM6001	Advanced Computer Aided Design and Manufacturing Lab	0	0	4	2	-
2	MCDM9998	Dessertation-1	-	-	-	5	-
3		Elective 3	3	0	0	3	-
4		Elective 4	3	0	0	3	-
5		Elective 5	3	0	0	3	-
Total credits						16	

## Fourth Semester

S No	Course Code	Course Title	L	T	P	C	Pre-requisite
1	MCDM9999	Dessertation-2	-	-	-	15	-
Total credits						15	

**Total Credits = 69**

  
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C.M.D.-G.M.

**Programme Elective (Total Credits to be taken = 15 for 5 courses)**

S. No.	Course Code	Course Title	L	T	P	C	Pre-requisite/ Exposure
1	MCDM5010	Rapid Prototyping	3	0	0	3	-
2	MCDM5011	Tool Engineering	3	0	0	3	-
3	MCDM5012	Advanced Computer Aided Manufacturing	3	0	0	3	-
4	MCDM5013	Performance Modelling and Analysis of Manufacturing Systems	3	0	0	3	-
5	MCDM5014	Design for Manufacturing	3	0	0	3	-
6	MCDM5015	Quality Management	3	0	0	3	-
7	MCDM5016	Reliability Engineering	3	0	0	3	-
8	MCDM5017	Metrology and Non Destructive Testing	3	0	0	3	-
9	MCDM5018	Design and Analysis of Experiments	3	0	0	3	-
10	MCDM5019	Research Methodology	3	0	0	3	-
11	MCDM5020	Optimization Methods	2	1	0	3	-

  
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