

Guru Nanak Dev Engineering College, Ludhiana
Bachelor of Technology (Minor Degree)
(Mechanical Engineering) 2018

This Supersedes previous order no. ME/3/4357 dated-01/08/2019.

The Students of branches other than B. Tech (ME) can opt for minor engineering degree as per following guidelines:

1. The student can earn 8 Credits out of 20 credits through MOOCS, the remaining 12 Credits have to earn through class room teaching.
2. List of subjects offered By the Department for Class Room Teaching are as follows:

Course Type	Course Code	Course Name	Semester	Load Allocation			Marks Distribution			Credits
				L	T	P	Int.	Ext.	Total	
Core Theory	MnPCME-101	Strength of Materials	Odd	3	1	0	40	60	100	4
Core Theory	MnPCME-102	Manufacturing Processes	Odd	3	0	0	40	60	100	3
Core Theory	MnPCME-103	Engineering Material and Metallurgy	Odd	3	0	0	40	60	100	3
Core Theory	MnPCME-104	Mechanical Measurement and Control	Odd	3	0	0	40	60	100	3
Core Theory	MnPCME-105	Industrial Automation and Robotics	Odd	3	0	0	40	60	100	3
Core Theory	MnPCME-106	Finite Element Method	Odd	2	0	0	40	60	100	2
Core Theory	MnPCME-107	Theory of Machines	Even	3	1	0	40	60	100	4
Core Theory	MnPCME-108	Thermodynamics	Odd	3	0	0	40	60	100	3
Core Theory	MnPCME-109	Fluid Mechanics and Machinery	Even	3	1	0	40	60	100	4
Core Theory	MnPCME-110	Modern Manufacturing Processes	Even	3	0	0	40	60	100	3
Core Theory	MnPCME-111	Applied Thermodynamics	Even	3	1	0	40	60	100	4
Core Laboratory	MnLPCME-101	Strength of Materials Laboratory	Odd	0	0	2	30	20	50	1
Core Laboratory	MnLPCME-102	Engineering Material and Metallurgy Laboratory	Odd	0	0	2	30	20	50	1
Core	MnLPCME	Industrial	Odd	0	0	2	30	20	50	1




Laboratory	-103	Automation and Robotics Laboratory								
Core Laboratory	MnLPCME-104	Mechanical Measurement and control Laboratory	Odd	0	0	2	30	20	50	1
Core Laboratory	MnLPCME-105	Theory of Machines Lab	Even	0	0	2	30	20	50	1
Core Laboratory	MnPCME-106	Applied Thermodynamics Laboratory	Even	0	0	4	30	20	50	1
Elective Theory	MnPEME-101	Product Design and Development	Odd	4	0	0	40	60	100	4
Elective Theory	MnPEME-102	Non Conventional Energy resources	Even/Odd	4	0	0	40	60	100	4
Elective Theory	MnPEME-103	Power Plant Engineering	Even/Odd	4	0	0	40	60	100	4
Elective Theory	MnPEME-104	Industrial Tribology	Even/Odd	4	0	0	40	60	100	4
Elective Theory	MnPEME-105	Non-Traditional Machining	Even/Odd	4	0	0	40	60	100	4
Elective Theory	MnPEME-106	Computer Aided Process planning	Even/Odd	4	0	0	40	60	100	4

* Atleast one course will be offered every semester as per the availability of faculty.

3. List of subjects through MOOCS Courses for Current Semester (July- December 2019)

Course Type	Course Code	Course Name	Load Allocation	Marks Distribution			credits
			Weeks	Int.	Ext.	Total	
MOOCS	Noc19-ME40	Industrial Safety Engineering	12	-	-	-	4
MOOCS	Noc19-me50	Work System Design	12	-	-	-	4
MOOCS	noc19-mm20	Physics of Materials	12	-	-	-	4
MOOCS	noc19-me77	Convective Heat Transfer	12	-	-	-	4

- The credits earned in Minor Engineering will not be considered for Honor Degree.
- Passed out students can also avail the option of pursuing Minor Degree in the concerned subject, however the degree must be completed within stipulated period as per notified by IKGPTU for the completion of B. Tech.
- The allotted numbers of seats for Minor Degree in Mechanical Engineering are 75 and allotment will be done on merit basis only (No Active Backlog in First Year).
- The duly filled Performa available on Department Web link forwarded by Head of Parent Dept. must be submitted in ME Dept. by 05.08.2019.
- The results of First and second semester should be attached with the Performa.


 HoD (ME)