

**GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA**

(An Autonomous College u/s 2 (f) and 12 (B) of UGC Act 1956)

**MECHANICAL & PROD. ENGG. DEPARTMENT**

Dean Academics,

The students of Branches other than B. Tech. (ME) can opt for minor Engineering Degree as per the guidelines of tenth Academic Council (follow link on college website,

<https://gndec.ac.in/sites/default/files/Tenth%20Academic%20Council%20Meeting.pdf>).

M&PE/53/2186  
20/07/2022

**List of courses offered for Minor Degree in Mechanical Engineering**

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 Materials 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 Materials And Metallurgy Laboratory	Odd	0	0	2	30	20	50	1
Core Laboratory	MnLPCME - 103	Industrial Automation And Robotics Laboratory	Odd	0	0	2	30	20	50	1
Core Laboratory	MnLPCME - 104	Mechanical Measurement And Control Laboratory	Odd	0	0	2	30	20	50	1
Core Laboratory	MnLPCME - 105	Theory Of Machines Laboratory	Even	0	0	2	30	20	50	1
Core Laboratory	MnLPCME - 106	Applied Thermodynamics Laboratory	Even	0	0	2	30	20	50	1
Elective Theory	MnPEME - 101	Product Design And Development	Even/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 shall be offered every Semester as per the Availability of Faculty.

**List of MOOCs Courses for Current Semester (July-Dec 2022)**

Course Type	Course Code	Course Name	Weblink
Moocs	noc22-me74	Rapid Manufacturing	<a href="https://nptel.ac.in/courses/112104265">https://nptel.ac.in/courses/112104265</a>
Moocs	noc22-me87	Introduction To Composites	<a href="https://nptel.ac.in/courses/112104229">https://nptel.ac.in/courses/112104229</a>
Moocs	noc22-me110	Fundamentals of Convective Heat Transfer	<a href="https://nptel.ac.in/courses/112103297">https://nptel.ac.in/courses/112103297</a>
Moocs	noc22-me137	Theory of Production Processes	<a href="https://nptel.ac.in/courses/112107239">https://nptel.ac.in/courses/112107239</a>

**Note:** - Duly filled performa given herewith forwarded by head of the parent department must be submitted to Clerk, ME department by 29<sup>th</sup> July, 2022. The last date to enroll for course on SWAYAM portal is 29<sup>th</sup> July 2022.

**Prof. & Head**

CC:-


1. Principal for information
2. All HOD's
3. DNB
4. CNB

to Upload on Dept. Website


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1. Principal for information 
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3. DNB
4. CNB
5. Prof. Chamkaur Jindal to Upload on Dept. Website