

Course code: Course Title	Course Structure			Pre-Requisite
EP106: Engineering Physics Workshop-II	L	T	P	NIL
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**Course Objective:** The main objective of the course is to provide opportunity for an individual to develop and strengthen the necessary skills for Glass Industry.

S. No	Course Outcomes (CO)
CO1	Describe fundamentals of glass science.
CO2	Demonstrate synthesis of various glasses.
CO3	Categorize synthesized glasses.
CO4	Measure physical properties and other required parameters.
CO5	Validate the potentiality of the synthesized glass in Industry.

S. No	Contents
UNIT 1	Fundamentals of Glass Science & Technology.
UNIT 2	Synthesis and physical properties of Glass.
UNIT 3	Characterization of the synthesized Glass.
UNIT 4	GLASS-Handling, Measurements, Storage, Installation covering Tempered/Insulated/Laminated, Window Doors Sliders – uPVC, Window Doors Sliders – Aluminum.
UNIT 5	Applications of Glass in Industry.

REFERENCES		
S.No.	Name of Books/Authors/Publishers	Year of Publication / Reprint
1	Introduction to Glass Science and Technology; J. E. Shelby, Royal Society of Chemistry.	2020
2	Fundamentals of Inorganic Glasses; A. K. Varshneya, J. C. Mauro, Elsevier, 3rd edition.	2019

