PHY 1053	Intro Physics I	M=Mandatory, O=Optional, R=Review, V=Overview
Торіс	Sub-Topics	M.O.R.V
Masuramont	Standard units (SI) - basic and derived units unit conversions	M
and Vectors	Vector operations - analytical and graphical solutions	M
	Distinguish between scalar and vector	M
	Curves tangents to curves vector field	V
Motion	Kinematics - velocity constant acceleration speed	M
motion	Circular harmonic linear projectile 2-dimensional rotational	M
	Granhical representation of motion	M
Mechanics	Dynamics - Newton's Laws (E-MA)	M
wicenanies	Linear - forces momentum center of mass	M
	Rotation - torque moment of inertia angular momentum	M
	Static and dynamic fluids	M
	Newton's Law of Universal Gravitation - gravitational acceleration (orbital satellites)	M
Energy and	Work energy theorem	M
Conservation	work energy theorem	141
Laws	Work	М
	Collision and interaction (generic)	М
	Conservation of energy	М
	Kinetic and Potential energy	М
	Conservation of linear and angular momentum	М
Oscillations	Sound	M (53/54)
and Wave		
Motion	Simple harmonic motion	M (53/54)
	Superposition principle	M (53/54)
	Standing waves and resonance	M (53/54)
	Doppler effect	M (53/54)
Thermal	Equations of state	M (53/54)
	Heat transport	M (53/54)
	Specific heat, latent heat	M (53/54)
	Thermal expansion	M (53/54)
	Kinetic theory of gas	0
	3 laws of thermodynamics	M (53/54)