

<b>Course Code</b>	<b>Course Name</b>	<b>(T,A,L)</b>	<b>Credit</b>	<b>ECTS</b>	<b>Compulsory/Elective</b>
PHY101	Physics I	(3,0,2)	4	6	Compulsory

Measurements, vectors, kinematics, force, mass. Newton's laws, applications of Newton's laws. Work and kinetic energy. Conservation of linear momentum. Impulse, collisions, rotation, moments of inertia. Torque, angular momentum, conservation of angular momentum, static equilibrium.

<b>Course Code</b>	<b>Course Name</b>	<b>(T,A,L)</b>	<b>Credit</b>	<b>ECTS</b>	<b>Compulsory/Elective</b>
PHY102	Physics II	(3,0,2)	4	6	Compulsory

Kinetic theory of ideal gases. Equipartition of energy. Heat, heat transfer and heat conduction. Laws of thermodynamics, applications to engine cycles. Coulombs law and electrostatic fields. Gauss's law. Electric potential. Magnetic field. Amperes law. Faradays law.

<b>Course Code</b>	<b>Course Name</b>	<b>(T,U,L)</b>	<b>Credit</b>	<b>ECTS</b>	<b>Compulsory/Elective</b>
MPH101	Physics for Mariners I	(3,0,2)	4	6	Compulsory

Measurement, vectors, kinematics, force, mass. Newton's laws, applications of Newton's laws. Work and kinetic energy. Conservation of linear momentum. Impulse, collisions, rotation, moments of inertia. Torque, angular momentum, conservation of angular momentum, static equilibrium

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MPH102	Physics for Mariners II	(3,0,2)	4	6	Compulsory

Kinetic theory of ideal gases. Equipartition of energy. Heat, heat transfer and heat conduction. Laws of thermodynamics, applications to engine cycles. Coulombs law and electrostatic fields. Gauss's law. Electric potential. Magnetic field. Amperes law. Faradays law.

<b>Course Code</b>	<b>Course Name</b>	<b>(T,A,L)</b>	<b>Credit</b>	<b>ECTS</b>	<b>Compulsory/Elective</b>
FIZ101	Physics I	(3,0,2)	4	6	Compulsory

Measurements, vectors, kinematics, force, mass. Newton's laws, applications of Newton's laws. Work and kinetic energy. Conservation of linear momentum. Impulse, collisions, rotation, moments of inertia. Torque, angular momentum, conservation of angular momentum, static equilibrium.

<b>Course Code</b>	<b>Course Name</b>	<b>(T,A,L)</b>	<b>Credit</b>	<b>ECTS</b>	<b>Compulsory/Elective</b>
FIZ102	Physics II	(3,0,2)	4	6	Compulsory

Kinetic theory of ideal gases. Equipartition of energy. Heat, heat transfer and heat conduction. Laws of thermodynamics, applications to engine cycles. Coulombs law and electrostatic fields. Gauss's law. Electric potential. Magnetic field. Amperes law. Faradays law.