

Instructor	Jiunn-Chi Wu
Course Name	Energy: From basic to application
Credit	2
Course Objectives	This course first explains the basic physical principles behind the use of energy, including the study of mechanics, heat and work. Next, the energy resources including fossil fuel and renewable energy will be highlighted. The third part of lectures focus on various energy applications, such as power plant, electricity, photovoltaics, wind power, energy storage and electricity grid.
Teaching content	<p>Unit Content/Activity</p> <ol style="list-style-type: none"> 1 Introduction 2 Energy Mechanics 3 Conservation of Energy 4 Heat and Work 5 Fossil fuel 6 Renewable energy 7 Electricity and power plant 8 Solar power 9 Wind power 10 Visit energy technology facility 11 Energy storage 12 Electrical grid and microgrid
Textbooks/References	Class notes