

(General)

Faculty of Science

SC 115 (201115) : LIFE AND ENERGY

3(3-0-6)

Course Type: ☒ Lecture ☐ Lab ☐ Practicum ☐ Cooperative

Course Evaluation: ☒ A-F ☐ S/U ☐ P

In this case of selected topic ☐ credit(s) can be counted for graduation on every enrollment

course ☐ credit(s) can be counted for graduation only once

Pre : None

Course Description

Energy sources, relations of Energy to life, ways of energy conversion of living things, ways of energy conversion of non-living things, Cycle of energy and its transformation, The flow of energy through plants, animals and humans in the ecosystem, Conservation of energy in daily life and Safety of energy in daily life.

Course Objectives: Students are able to

Student s are able to explain the relation of energy of life, energy transformation and can apply the knowledge for their daily life.

Course Contents

No. of
Lecture
Hours

1. Energy sources	4.5
2. Energy relating for life	4.5
3. Pathways of energy conversion of living things	4.5
4. Pathways of energy conversion of non-living things	7.5
5. Cycle of energy and its transformation	7.5
6. The flow of energy through plants, animal and human in ecosystem	6
7. Conservation of energy in daily life	6
8. Safety of energy in daily life	4.5
Total	45