

### 3. Renewable Energies

Frist semester			Second Semester		
Title	Total unit		Title	Total unit	
	theory	practical		theory	practical
Intermediate Engineering Mathematics	2	-	Research Method	2	-
Experimental Engineering Analysis and Design	2	-	Optimization of Energy in Agricultural Systems	3	-
Photovoltaic Systems in Agriculture	3	-	Advanced Thermodynamic	3	-
Advanced Internal Combustion Engines	2	-	Life Cycle Assessment	2	-
Bioenergy Crops	2	-	Special Topics	1	-
Advanced Heat Transfer	3	-			
Total Units	14		Total Units	11	

Third semester			Fourth Semester		
Title	Total unit		Title	Total unit	
	theory	practical		theory	practical
Seminar	1	-	Thesis	3	-
Thesis	3	-			
Total Units	4		Total Units	3	