Discipline	Specialized Practice code: 44 summer semester	
Specialty	RENEWABLE ENERGY SOURCES	
ECTS credits: **2**	Form of assessment: Approved	
Lecturer	Assistant PhD Eng. / scientific title/ Yanita Slavova /name/ Room 308 E Phone: +359896788679 E-mail: slavova_yanita@tu-varna.bg	
Department	Electrical Engineering and Electrotechnologies	
Faculty	Faculty of Electrical Engineering	

Learning objectives:

The main goal of the course is for students from the specialty "Renewable energy sources" to conduct practical training in real or close to real conditions of operation and production of electro technical devices and systems for renewable energy sources (electrical machines, electrical devices, solar collectors and photovoltaic systems, wind turbines and hybrid systems). Discipline must:
- to expand and consolidate students' theoretical knowledge;
- to improve students' practical skills;
- to prepare them both for working in a team and making independent decisions;
- to form students' production and organizational skills for the preparation of constructive and technological documentation
- to train students to work with technologies, equipment and technical means for electrical engineering, according to the specifics of the production activity of the particular company;
- to help the faster adaptation of students to the needs of the labor market.

The specialization practice takes place after the VI semester with a duration of 2 weeks and a horary of 60 hours in state and private companies, as well as on the territory of TU-Varna. The content and volume of the special practice is agreed with the specifics of the production activity of the companies in which it takes place. The student intern's daily activities are entered in a diary.

CONTENTS:		
Training Area	Hours lectures	Hours exercises
Labor protection and safety technology.		**6**
Technological sequence of the production activity of the specific company.		**10**
Methods for designing the products of the company where the practical training takes place.		**12**
Monitoring and diagnostics of systems for renewable energy sources.		**10**
Production, installation and repair of elements and units of electro technical products for renewable energy sources.		**14**
Energy efficiency - survey, design and implementation.		**8**
TOTAL: 60 h	**-**	**60**