

**Uttaranchal University, Dehradun**  
**STUDY AND EVALUATION SCHEME**  
**Diploma in Engineering 1<sup>st</sup> Year (Common to all Diploma Programmes)**  
**(Effective from the session: 2019-2020)**  
**Year: I, Semester – I (Civil 001, EE-002, ME-003, CSE-004)**

SNo.	Code	Subject	L	T	P	EVALUATION SCHEME				Total Marks
			Hrs/week			Internal Assessment(Sessional)		External Assessment (Examination)		
						Theory	Practical	Written Paper	Practical	
			Max. Marks	Max. Marks	Max. Marks	Max. Marks				
1	DTHM-101	English and Communication Skills-I	3	1	0	40	-	60	-	100
2	DTMA-102	Applied Mathematics-I	3	1	0	40	-	60	-	100
3	DTPH-103	Applied Physics I	3	0	0	40	-	60	-	100
4	DTEC-104/ DTME-104	Basic Electronics Engineering /Basic Mechanical Engineering	3	0	0	40	-	60	-	100
5	DTCS105/ DTEE105	Fundamentals of Information Technology/Basic Electrical Engineering	3	0	0	40	-	60	-	100
6	DTES-108/ DTCY108	Environmental Studies/ Applied Chemistry	3	0	0	40	-	60	-	100
7	DPPH-103	Applied Physics I Lab	0	0	2	-	25	-	25	50
8	DPEC104/ DPME104	Basic Electronics Engineering Lab /Basic Mechanical Engineering Lab	0	0	2	-	25	-	25	50
9	DPCS-105/ DPEE105	Fundamentals of Information Technology Lab/Basic Electrical Engineering Lab	0	0	2	-	25	-	25	50
10	DPED-106	Engineering Drawing-I	-	-	4	-	50	-	50	100
11	DPWS-107	General Workshop Practice – I	-	-	4	-	25	-	25	50
12	DPES108/ DPCY108	Environmental Studies Lab/ Applied Chemistry Lab	-	-	2	-	25	-	25	50
13	DGP-109	Discipline & Student centered activities*	-	-	-	-	50	-	-	50
<b>Total</b>			18	2	16	-	-	-	-	1000

\* Student Centered Activities includes activities like co-curricular activities, sports & games, field visit, NCC, NSS and cultural activities etc.

**Uttaranchal University, Dehradun**  
**STUDY AND EVALUATION SCHEME**  
**Diploma in Engineering 1<sup>st</sup> Year (Common to all Diploma Programmes)**  
**(Effective from the session: 2019-2020)**  
**Year: I, Semester – II (Civil 001, EE-002, ME-003, CSE-004)**

SNo.	Code	Subject	L	T	P	EVALUATION SCHEME				Total Marks
			Hrs/week			Internal Assessment(Sessional)		External Assessment (Examination)		
						Theory	Practical	Written Paper	Practical	
						Max. Marks	Max. Marks	Max. Marks	Max. Marks	
1	DTHM-201	English and Communication Skills-II	3	1	0	40	-	60	-	100
2	DTMA-202	Applied Mathematics-II	3	1	0	40	-	60	-	100
3	DTPH-203	Applied Physics II	3	0	0	40	-	60	-	100
4	DTME-204/ DTEC-204	Basic Mechanical Engineering/ Basic Electronics Engineering	3	0	0	40	-	60	-	100
5	DTEE205/ DTCS205	Basic Electrical Engineering/ Fundamentals of Information Technology	3	0	0	40	-	60	-	100
6	DTCY208/ DTEs-208	Applied Chemistry/ Environmental Studies	3	0	0	40	-	60	-	100
7	DPPH-203	Applied Physics II Lab	-	-	2	-	25	-	25	50
8	DPME204/ DPEC204	Basic Mechanical Engineering Lab/ Basic Electronics Engineering Lab	-	-	2	-	25	-	25	50
9	DPEE205/ DPCS-205	Basic Electrical Engineering Lab/ Fundamentals of Information Technology Lab	-	-	2	-	25	-	25	50
10	DPED-206	Engineering Drawing-II	-	-	4	-	50	-	50	100
11	DPWS-207	General Workshop Practice – II	-	-	4	-	25	-	25	50
12	DPCY208/ DPES208	Applied Chemistry Lab/ Environmental Studies Lab	-	-	2	-	25	-	25	50
13	DGP-209	Discipline & Student centered activities*	-	-	-	-	50	-	-	50
<b>Total</b>			18	2	16	-	-	-	-	1000

\* Student Centered Activities includes activities like co-curricular activities, sports & games, field visit, NCC, NSS and cultural activities etc.

# Uttaranchal University, Dehradun

## STUDY AND EVALUATION SCHEME

**Diploma in Engineering 2<sup>nd</sup> Year, Branch-Electrical Engineering**

(Effective from the session: 2018-2019)

**Year: II, Semester – III(EE-002)**

S. No.	Code	Subject	L	T	P	EVALUATION SCHEME				Total Marks
			Hrs/week			Internal Assessment		External Assessment (Examination)		
						Theory	Practical	Written Paper	Practical	
			Max. Marks	Max. Marks	Max. Marks	Max. Marks				
1	DTEE-301	Electrical Circuit Theory	3	1	0	40	-	60	-	100
2	DTEE-302	Electrical and Electronics Engg. Materials	3	0	-	40	-	60	-	100
3	DTEE-303	Electronics Devices and Circuits	3	0	0	40	-	60	-	100
4	DTEE-304	Electromechanical Energy Conversion-I	3	1	0	40	-	60	-	100
5	DTEE-305	Estimating and Costing in Electrical Engineering	3	1	0	40	-	60	-	100
6	DPEE301	Electrical Circuit Theory Lab	-	-	2	-	25	-	25	50
7	DPEE-303	Electronics Devices and Circuits Lab	-	-	2	-	25	-	25	50
8	DPEE-304	Electromechanical Energy Conversion-I Lab	-	-	2	-	50	-	50	100
9	DPEE-305	Electrical Workshop Practice	-	-	2	-	25	-	25	50
10	DPEE-306	Electrical Engineering Design and Drawing-I	-	-	2	-	25	-	25	50
11	DPEE-307	Industrial Exposure	-	-	2	-	50	-	-	50
12	DPEE-308	General Proficiency	-	-	-	-	50	-	-	50
<b>Total</b>			15	3	12					900

# Uttaranchal University, Dehradun

## STUDY AND EVALUATION SCHEME

### Diploma in Electrical Engineering II<sup>nd</sup> Year

(Effective from the session: 2018-2019)

Year: II, Semester – IV (EE-002)

SNo.	Code	Subject	L	T	P	EVALUATION SCHEME				Total Marks
			Hrs/week			Internal Assessment		External Assessment (Examination)		
						Theory	Practical	Written Paper	Practical	
						Max. Marks	Max. Marks	Max. Marks	Max. Marks	
1.	DTEE-401	Electromechanical Energy Conversion-II	3	1	0	40	-	60	-	100
2.	DTEE-402	Digital Electronics	3	0	0	40	-	60	-	100
3.	DTEE-403	Electric Power Generation, Transmission and Distribution	3	1	0	40	-	60	-	100
4.	DTEE-404	Power Electronics	3	0	0	40	-	60	-	100
5.	DTEE-405	Electrical Measurement and Measuring Instruments	3	1	-	40	-	60	-	100
6.	DPEE-401	Electromechanical Energy Conversion-II Lab	-	-	2	-	50	-	50	100
7.	DPEE-402	Digital Electronics Lab	-	-	2	-	25	-	25	50
8.	DPEE-404	Power Electronics Lab	-	-	2	-	25	-	25	50
9.	DPEE-405	Electrical Measurement and Measuring Instruments Lab	-	-	2	-	25	-	25	50
10.	DPEE-406	Electrical Engineering Design and Drawing-II	-	-	2	-	25	-	25	50
11.	DPEE-407	Industrial Exposure	-	-	2	-	50	-	-	50
12.	DPEE-408	General Proficiency	-	-	-	-	50	-	-	50
<b>Total</b>			<b>15</b>	<b>03</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>900</b>

# Uttaranchal University, Dehradun

## STUDY AND EVALUATION SCHEME

### Diploma in Electrical Engineering III rd Year

(Effective from the session: 2018-2019)

Year: III, Semester – V( EE-002)

S.No.	Code	Subject	L	T	P	EVALUATION SCHEME				Total Marks
			Hrs/week			Internal Assessment		External Assessment (Examination)		
						Theory	Practical	Written Paper	Practical	
			Max. Marks	Max. Marks	Max. Marks	Max. Marks				
1.	DTEE-501	Switchgear and Protection	3	0	-	40	-	60	-	100
2.	DTEE-502	Electric Drives	3	1	-	40	-	60	-	100
3.	DTEE-503	Computer Programming and Application	3	0	-	40	-	60	-	100
4.	DTEE-504	Control System	3	0	-	40	-	60	-	100
5.	DTEE-505	Microprocessors & Microcontrollers	3	0	-	40	-	60	-	100
6.	DPEE-501	Switchgear and Protection Lab	-	-	2	-	25	-	25	50
7.	DPEE-503	Computer Programming and Application Lab	-	-	2	-	25	-	25	50
8.	DPEE-504	Control System Lab	-	-	2	-	25	-	25	50
9.	DPEE-505	Microprocessors & Microcontrollers Lab	-	-	2	-	25	-	25	50
10.	DPEE-506	Minor Project	-	-	2	-	50	-	-	50
11.	DPEE-507	Industrial Training	-	-	2	-	50	-	-	50
12.	DPEE-508	Industrial Exposure	-	-	-	-	50	-	-	50
13.	DPEE-509	General Proficiency	-	-	-	-	50	-	-	50
<b>Total</b>			<b>15</b>	<b>03</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>900</b>

Remarks: Industrial Training of 4 to 6 weeks to be carried out after fourth semester and to be evaluated in fifth semester.

# Uttaranchal University, Dehradun

## STUDY AND EVALUATION SCHEME

**Diploma in Electrical Engineering III rd Year**

**(Effective from the session: 2018-2019)**

**Year: III, Semester – VI(EE-002)**

S.No.	Code	Subject	L	T	P	EVALUATION SCHEME				Total Marks
			Hrs/week			Internal Assessment		External Assessment (Examination)		
						Theory	Practical	Written Paper	Practical	
						Max. Marks	Max. Marks	Max. Marks	Max. Marks	
1.	DTEE-601	Utilization of Electrical Energy and Traction	3	1	-	40	-	60	-	100
2.	DTEE-602	Installation and Maintenance of Electrical Equipment	3	1	-	40	-	60	-	100
3.	DTEE-603	Electrical Machine Design	3	1	-	40	-	60	-	100
4.	DTHU-604	Entrepreneurship Development and Management	3	1	-	40	-	60	-	100
5.		Departmental Elective	3	1	-	40	-	60	-	100
6.	DPEE-605	Major Project	-	-	2	-	150	-	150	300
7.	DPEE-606	Industrial Exposure	-	-	2	-	50	-	-	50
8.	DPEE-607	General Proficiency	-	-	-	-	50	-	-	50
<b>Total</b>			15	05	4	-	-	-	-	<b>900</b>

List of Electives (i) Micro Hydel and Non Conventional Energy Sources (DTEE651)

(ii) Instrumentation and Process Control (DTEE 652)

(iii) Consumer Electronics (DTEE 653)

Professional practice/Industrial/ Field Internship/Extension activities (1000 marks) may be opted for, in lieu of Semester VI coursework at the discretion of university authorities.