

Uttaranchal University, Dehradun
STUDY AND EVALUATION SCHEME
Diploma in Engineering 1st 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
Total			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 1st 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
Total			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 Computer Science Engineering
(Effective from the session: 2018-2019)
Year: II, Semester- III (CSE-004)

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.	DTCS-301	Programming in C	3	1	-	40	-	60	-	100
2.	DTCS-302	Object Oriented Concepts	3	1	-	40	-	60	-	100
3.	DTCS-303	Computer System Peripherals	3	0	-	40	-	60	-	100
4.	DTCS-304	Operating Systems	3	1	-	40	-	60	-	100
5.	DTCS-305	Digital Data Communications	3	0	-	40	-	60	-	100
6.	DPCS-301	Programming in C Lab	-	-	2	-	50	-	50	100
7.	DPCS-302	Object Oriented Concepts Lab	-	-	2	-	25	-	25	50
8.	DPCS-303	Computer System Peripherals Lab	-	-	2	-	25	-	25	50
9.	DPCS-304	Operating Systems Lab	-	-	2	-	50	-	50	100
10.	DPCS-305	Industrial exposure	-	-	2	-	50	-	-	50
11.	DPCS-306	General Proficiency	-	-	2	-	50	-	-	50
Total			15	3	12	-	-	-	-	900

Uttaranchal University, Dehradun
STUDY AND EVALUATION SCHEME
Diploma in Computer Science Engineering
(Effective from the session: 2018-2019)
Year: II, Semester- IV (CSE-004)

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.	DTCS-401	Data Structure using C	3	1	-	40	-	60	-	100
2.	DTCS-402	Web Technologies	3	1	-	40	-	60	-	100
3.	DTCS-403	Computer Networks	3	1	-	40	-	60	-	100
4.	DTCS-404	Software Quality and Testing	3	1	-	40	-	60	-	100
5.	DTCS-405	Computer Organization and Architecture	3	1	-	40	-	60	-	100
6.	DPCS-401	Data Structure using C Lab	-	-	2	-	50	-	50	100
7.	DPCS-402	Web Technologies Lab	-	-	2	-	50	-	50	100
8.	DPCS-403	Computer Networks Lab	-	-	2	-	50	-	50	100
9.	DPCS-404	Industrial Exposure	-	-	2	-	50	-	-	50
10.	DPCS-405	General Proficiency	-	-	2	-	50	-	-	50
Total			15	5	10	-	-	-	-	900

Uttaranchal University, Dehradun
STUDY AND EVALUATION SCHEME
Diploma in Computer Science Engineering
(Effective from the session: 2018-2019)
Year: III, Semester- V (CSE-004)

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.	DTCS-501	Object Oriented Programming Using Java	3	1	-	40	-	60	-	100
2.	DTCS-502	Visual Programming with C#	3	1	-	40	-	60	-	100
3.	DTCS-503	Data Base Management System	3	0	-	40	-	60	-	100
4.	DTCS-504	Microprocessor	3	1	-	40	-	60	-	100
5.	DTCS-505	Cryptography and Network Security	3	0	-	40	-	60	-	100
6.	DPCS-501	Object Oriented Programming Using Java Lab	-	-	2	-	25	-	25	50
7.	DPCS-502	Visual Programming with C# Lab	-	-	2	-	50	-	50	100
8.	DPCS-503	Data Base Management System Lab	-	-	2	-	25	-	25	50
9.	DPCS-504	Microprocessor Lab	-	-	2	-	25	-	25	50
10.	DPCS-505	Industrial Exposure	-	-	2	-	50	-	-	50
11.	DPCS-506	Minor Project	-	-	2	-	50	-	-	50
12.	DPCS-507	General Proficiency	-	-	-	-	50	-	-	50
Total			15	3	12	-	-	-	-	900

*Industrial training of 4-6 weeks to be carried-out after 4th semester and to be evaluated in 5th semester.

Uttaranchal University, Dehradun
STUDY AND EVALUATION SCHEME
Diploma in Computer Science Engineering
(Effective from the session: 2018-2019)
Year: III, Semester- VI (CSE-004)

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.	DTCS-601	Computer Graphics	4	0	-	40	-	60	-	100
2.	DTCS-602	System and Software Engineering	3	0	-	40	-	60	-	100
3.		Departmental Elective	4	0	-	40	-	60	-	100
4.	DTHU-604	Entrepreneurship Development and Management	3	0	-	40	-	60	-	100
5.	DTCS-605	Mobile Computing	4	0	-	40	-	60	-	100
6.	DPCS-601	Computer Graphics Lab	-	-	2	-	50	-	50	100
7.	DPCS-602	Project	-	-	4	-	150	-	150	300
Total			18	0	06	-	-	-	-	900

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.

List of Electives (i) Data Warehouse and Mining (DTCS-651)

(ii) Cloud Computing (DTCS-652)

(iii) Information Security (DTCS-653)