



# UNIVERSITY OF TECHNOLOGY NOWSHERA

(SHUHADA-E-APS, UOT)

## DEPARTMENT OF CIVIL TECHNOLOGY

### Scheme of Studies (Batch-VIII and Onwards)

1 <sup>st</sup> Semester							
S/N	Course Code	Subject	Nature	Credit Hours		Contact Hours	
				Theory	Practical	Theory	Practical
1	CH-112	Islamic Studies/Professional Ethics	Humanities	2	0	2	0
2	CS-113	Applied Mathematics-I	Natural Sciences	3	0	3	0
3	CS-123	Introduction to Computer Fundamentals	Computer Science	1	2	1	6
4	CT-113	Civil Engineering Drawing	Engineering Foundation	1	2	1	6
5	CT-124	Surveying	Engineering Foundation	2	2	2	6
6	CM-112	Occupational Health & Safety Management	Management Science	2	0	2	0
<b>Total</b>				<b>11</b>	<b>06</b>	<b>11</b>	<b>18</b>
<b>Grand Total</b>				<b>11+06=17</b>		<b>11+18=29</b>	
2 <sup>nd</sup> Semester							
S/N	Course Code	Subject	Nature	Credit Hours		Contact Hours	
				Theory	Practical	Theory	Practical
1	CT-134	Concrete Technology	Engineering Foundation	2	2	2	6
2	CH-123	Communication Skills	Humanities/English	3	0	3	0
3	CT-144	Applied Mechanics	Engineering Foundation	2	2	2	6
4	CT-154	Materials and Methods of Construction	Engineering Foundation	2	2	2	6
5	CS-133	Applied Mathematics-II	Natural Science	3	0	3	0
<b>Total</b>				<b>12</b>	<b>06</b>	<b>12</b>	<b>18</b>
<b>Grand Total</b>				<b>12+06=18</b>		<b>12+18=30</b>	
3 <sup>rd</sup> Semester							
S/N	Course Code	Subject	Nature	Credit Hours		Contact Hours	
				Theory	Practical	Theory	Practical
1	CT-212	Introduction to Architecture and Town Planning	Engineering Foundation	2	0	2	0
2	CH-212	Pakistan Studies	Humanities	2	0	2	0
3	CT-222	Quantity Surveying and Contract Documents	Engineering Foundation	1	1	1	3
4	CT-234	Soil Mechanics	Major Based Breadth	2	2	2	6
5	CT-243	Fluid Mechanics	Major Based Breadth	2	1	2	3
6	CT-254	Mechanics of Solids	Major Based Breadth	2	2	2	6
<b>Total</b>				<b>11</b>	<b>06</b>	<b>11</b>	<b>18</b>
<b>Grand Total</b>				<b>11+06=17</b>		<b>11+18=29</b>	
4 <sup>th</sup> Semester							
S.N	Course Code	Subject	Nature	Credit Hours		Contact Hours	
				Theory	Practical	Theory	Practical
1	CT-264	Transportation Engineering	Major Based Breadth	2	2	2	6
2	CT-273	Water Supply & Waste Water Management	Major Based Breadth	2	1	2	3
3	CM-213	Environmental Management	Management Sciences	2	1	2	3
4	CT-284	Theory of Structures	Major Based Depth	2	2	2	6
5	CH-223	Technical Report Writing	Humanities/English	3	0	3	0
<b>Total</b>				<b>11</b>	<b>06</b>	<b>11</b>	<b>18</b>
<b>Grand Total</b>				<b>11+06=17</b>		<b>11+18=29</b>	
5 <sup>th</sup> Semester							
S/N	Course Code	Subject	Nature	Credit Hours		Contact Hours	
				Theory	Practical	Theory	Practical
1	CT-313	Hydrology	Major Based Breadth	2	1	2	3
2	CT-323	Reinforced Concrete Structures	Major Based Breadth	2	1	2	3



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3	CT-333	Construction and Hydraulic Machinery	Major Based Depth	2	1	2	3
4	CT-343	Computer Aided Building modelling and Design	Major Based Depth	1	2	1	6
5	CT-354	Foundations Engineering	Major Based Depth	2	2	2	6
6	CM-312	Project Management	Management Science	2	0	2	0
<b>Total</b>				<b>11</b>	<b>07</b>	<b>11</b>	<b>21</b>
<b>Grand Total</b>				<b>11+07=18</b>		<b>11+21=32</b>	
<b>6<sup>th</sup> Semester</b>							
S/N	Course Code	Subject	Nature	Credit Hours		Contact Hours	
				Theory	Practical	Theory	Practical
1	CT-363	Engineering Geology	Major Based Depth	2	1	2	3
2	CT-373	Irrigation and Hydraulic Structures	Major Based Depth	2	1	2	3
3	CT-383	Steel Structures	Major Based Depth	2	1	2	3
4	CT-393	Project	Major Based Depth	0	3	0	9
<b>Total</b>				<b>06</b>	<b>06</b>	<b>06</b>	<b>18</b>
<b>Grand Total</b>				<b>06+06=12</b>		<b>06+18=24</b>	
<b>6<sup>th</sup> Semester Third Year Summer Project Work</b>							
S/N	Course Code	Subject	Credit Hours		Contact Hours		
			Theory	Practical	Theory	Practical	
1	CT-3103	Project (Continue)	0	3	0	9	
<b>Grand Total</b>				<b>0+03=03</b>		<b>0+09=09</b>	
<b>7<sup>th</sup> Semester Fourth Year</b>							
S.N	Course Code	Subject	Credit Hours		Contact Hours		
			Theory	Practical	Theory	Practical	
1	CT-4116	16 Weeks Supervised Industrial / Field Training (8x5=40 hrs / Week)	0	16	0	40x16=640	
<b>Total</b>				<b>0</b>	<b>16</b>	<b>0</b>	<b>640</b>
<b>Grand Total</b>				<b>0+16=16</b>		<b>0+640=640</b>	
<b>8<sup>th</sup> Semester Fourth Year</b>							
S/N	Course Code	Subject	Credit Hours		Contact Hours		
			Theory	Practical	Theory	Practical	
1	CT-4216	16 Weeks Supervised Industrial / Field Training (8x5=40 hrs / Week)	0	16	0	40x16=640	
<b>Total</b>				<b>0</b>	<b>16</b>	<b>0</b>	<b>640</b>
<b>Grand Total</b>				<b>0+16=16</b>		<b>0+640=640</b>	