

**Branch Code: CA1**  
**M.Tech. in CATALYSIS TECHNOLOGY**  
**2017 Batch**

**Semester 1**

S.No	Course No	Course Name	L	T	E	P	O	C
1	CA5010	Fundamentals of Adsorption and Catalysis	3	0	0	0	6	9
2	CA5020	Principles of Solids and Surfaces	3	0	0	0	6	9
3	CH5010	Chemical Reactor Theory	3	1	0	0	6	10
4	DPE1	Elective 1	3	0	0	0	6	9
5	DPE2	Elective 2	3	0	0	0	6	9
	DPE 3	Elective 3	3	0	0	0	6	9
<b>Total Credits</b>								<b>55</b>

**Semester 2**

S.No	Course No	Course Name	L	T	E	P	O	C
1	CA5030	Experimental Methods in Catalysis	3	0	0	0	6	9
2	CA5040	Principles of Surface Analysis	3	0	0	0	6	9
3	CH5030	Transport Phenomena	3	1	0	0	6	10
4	CA5050	Catalyst Preparation and Characterization Laboratory	0	0	0	3	0	3
5	DPE 4	Elective 4	3	0	0	0	6	9
6	DPE 5	Elective 5	0	0	0	0	9	9
<b>Total Credits</b>								<b>49</b>

**SUMMER**

S.No	Course No	Course Name	L	T	E	P	O	C
1	CA6510*	Project - Stage I	0	0	0	0	20	20
<b>Total Credits</b>								<b>20</b>

*\* Project (CA6510\*) grade will be assigned in 4<sup>th</sup> semester*

**Semester 3**

S.No	Course No	Course Name	L	T	E	P	O	C
1	CA6510	Project - Stage II	0	0	0	0	20	20
2	CA6520	Seminar I	0	0	0	0	3	3
3	DPE 6	Elective 6	3	0	0	0	6	9
4	DPE 7	Elective 7	3	0	0	0	6	9
<b>Total Credits</b>								<b>41</b>

*\* Project (CA6510) grade will be assigned in 4<sup>th</sup> semester*

**Semester 4**

S.No	Course No	Course Name	L	T	E	P	O	C
1	CA6510#	Project III	0	0	0	0	40	40
2	CA6530	Seminar II	0	0	0	0	3	3
<b>Total Credits :</b>								<b>43</b>

Semester	I	II	Summer	III	IV	Total
<b>Credits</b>	<b>55</b>	<b>49</b>	<b>20</b>	<b>41</b>	<b>43</b>	<b>208</b>