

**B. Tech. (Oils) Revised Syllabus w.e.f. 2009-10**

<b>Course Code</b>	<b>Title of Course</b>	<b>Teaching Hours</b>	<b>Credits</b>	<b>Practical Hours</b>	<b>Credits</b>	<b>Total Credits</b>
<b>First Sem.</b>						
BSL-101	Mathematics-I	04	04	-	-	4.0
BSC-102	Organic Chemistry-I	04	04	03	1.5	5.5
ESC-101	Workshop Technology	02	02	04	2.0	4.0
BSC-103	Physical Chemistry	04	04	03	1.5	5.5
ESC-102	Computer Science and Application	02	02	02	01	03.0
ESL-106	Material Technology	04	04	-	-	04.0
<b>Total</b>		<b>20</b>	<b>20</b>	<b>12</b>	<b>6.0</b>	<b>26.0</b>
<b>Second Sem.</b>						
ESC-103	Electrical Engineering and Electronics	04	04	02	1	05
BSC-104	Inorganic Chemistry	04	04	03	1.5	5.5
BSC-105	Physics	04	04	03	1.5	5.5
ESL-104	Generation and Transmission of Mechanical Power	04	04	-	-	04
ESC-105	Engineering Graphics	02	02	03	1.5	3.5
HMC-101	Communication & Soft Skill	03	03	01	0.5	3.5
<b>Total</b>		<b>21</b>	<b>21</b>	<b>12</b>	<b>06</b>	<b>27.0</b>
<b>Third Sem.</b>						
BSL-201	Mathematics-II	04	04	-	-	04
CHC-202	Mechanical Operations	04	04	03	1.5	5.5
CHL-205	Chemical Engineering Thermodynamics	04	04	-	-	04
CHC-206	Heat Transfer	04	04	03	1.5	5.5
OTC-201	Chemistry & Technology of oils and fats	04	04	03	1.5	5.5
HML-201	Industrial Management & Economics	04	04	-	-	04
<b>Total</b>		<b>20</b>	<b>20</b>	<b>10</b>	<b>05</b>	<b>28.5</b>
<b>Fourth Sem.</b>						
ESC-201	Applied and Structural Mechanics	04	04	02	01	05
BSC-202	Organic Chemistry-II	04	04	03	1.5	5.5
CHC-203	Momentum Transfer	04	04	03	1.5	5.5
CHL-204	Process Calculations	04	04	-	-	04
OTC-202	Post Harvest Technology of oil bearing materials	04	04	06	3	07
<b>Total</b>		<b>20</b>	<b>20</b>	<b>14</b>	<b>7.0</b>	<b>27.0</b>

Fifth Sem.						
CHC308	Mass Transfer Operations	04	04	03	1.5	5.5
CHC-309	Instrumentation and Process Control	04	04	03	1.5	5.5
OTC-301	Refining of Oils & Fats	04	04	06	03	07
OTC-302	Quality Control Techniques in Oils & Fats	04	04	03	1.5	5.5
ELECTIVE	Elective-I	04	04	-	-	4
Total		20	20	15	7.5	27.5
Sixth Sem						
ESC-301	Machine Design & Drawing	02	02	03	1.5	3.5
HML-301	Managerial Behavior: Psycho-social Dimensions	03	03	-	-	03
OTL-303	Technology of fat splitting & Soaps	04	04	-	-	04
OTL-304	High fat products & Industrial Hydrogenation	04	04	-	-	04
OTP-305	Processing and analysis of soaps and allied products	-	-	06	03	03
ELECTIVE	Elective- II	04	04			04
CHL-310	Reaction Engineering	04	04	-	-	4
Total		21	21	09	4.5	25.5
Seventh Sem						
OTP-401	Industrial Training/ Project	-	-	30	15	15
OTP-402	Technical Seminar & Colloquium	-	-	06	03	03
Total		-	-	36	18	18
Eighth Sem.						
CHL-405	Project Engineering & Economics	04	04	-	-	04
CHP-406	Process Equipment Design	-	-	03	1.5	1.5
OTC-403	Chemistry of surfactants and oleochemicals	04	04	03	1.5	5.5
OTL-404	Technology of Surfactants & Detergents	04	04	-	-	04
OTP-405	Synthesis & Analysis of surfactants and detergents	-	-	06	03	03
ELECTIVE	Elective-III	03	03	02	01	04
Total		15	15	14	7.0	22.0