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SDM College of Engineering & Technology, Dharwad

Odd Semester 2021-22

Academic Calendar for UG Programmes III, V and VII Sem

Sl. No.	Particulars	Date
1	Registration	28-09-2021 to 30-09-2021
2	Commencement of Teaching	01-10-2021
3	Last date for registration with late fee	04-10-2021
4	Display of Attendance	23-11-2021
5	Internal Assessment - IA- I	24-11-2021 to 26-11-2021
6	Communication of performance to the parents	02-12-2021
7	Last date to drop the course	04-12-2021
8	Display of Attendance	27-12-2021
9	Internal Assessment -IA- II	28-12-2021 to 30-12-2021
10	Communication of performance to the parents	05-01-2022
11	Last date to withdraw the course	06-01-2022
12	Teacher - Parents Meet	08-01-2022
13	Students Feedback	10-01-2022 to 15-01-2022
14	Internal Assessment -IA- III	29-01-2022 to 01-02-2022
15	Last day of teaching for Odd Semester	01-02-2022
16	Final Lab Assessments	05-02-2022 to 10-02-2022
17	Display of consolidated Continuous Internal Evaluation (CIE) and Attendance	07-02-2022
18	Communication of performance to the parents	08-02-2022
19	Semester End Examination	14-02-2022 to 28-02-2022
20	Inter Semester Recess	01-03-2022 to 08-03-2022
21	Declaration of Results	07-03-2022
22	Communication of performance to the parents by putting on website	08-03-2022
23	Makeup SEE for odd semesters	09-03-2022 to 12-03-2022
Commencement of Even Semester :		14-03-2022

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SDM College of Engineering & Technology, Dharwad

Even Semester 2020-21

Academic Calendar for II, IV, VI Sem. B.E & II Sem. M.Tech.

Sl. No.	Particulars	IV & VI Sem. B.E	II Sem. B.E & II Sem. M.Tech.
1	Registration	12-03-2021 & 13-03-2021	13-05-2021 & 15-05-2021
2	Commencement of Teaching	15-03-2021	17-05-2021
3	Last date for registration with late fee	18-03-2021	19-05-2021
4	Display of attendance	23-04-2021	21-06-2021
5	Internal Assessment - IA- I	26-04-2021 to 28-04-2021	23-06-2021 to 25-06-2021
6	Communication of performance to the parents	05-05-2021	01-07-2021
7	Last date to drop the course	07-05-2021	02-07-2021
8	Display of attendance	28-05-2021	24-07-2021
9	Internal Assessment - IA- II	31-05-2021 to 02-06-2021	26-07-2021 to 28-07-2021
10	Last date to withdraw the course	04-06-2021	30-07-2021
11	Communication of performance to the parents	08-06-2021	04-08-2021
12	Parents Meet	12-06-2021	14-08-2021
13	Feedback by Students	21-06-2021 to 26-06-2021	16-08-2021 to 19-08-2021
14	Internal Assessment -IA- III	01-07-2021 to 05-07-2021	27-08-2021 to 31-08-2021
15	Last day of teaching for Even Semester	05-07-2021	31-08-2021
16	Display of consolidated Continuous Internal Evaluation (CIE) marks & Attendance	08-07-2021	07-09-2021
17	Final Lab Assessments	09-07-2021 to 17-07-2021	03-09-2021 to 11-09-2021
18	Semester End Examination	20-07-2021 to 31-07-2021	15-09-2021 to 25-09-2021
19	Summer vacation	02-08-2021 to 30-09-2021	26-09-2021 to 30-09-2021
20	Announcement of Results	05-08-2021	30-09-2021
21	Communication of performance to the parents	06-08-2021	30-09-2021
22	Makeup SEE for Even semesters	09-08-2021 & 10-08-2021	01-10-2021 & 04-10-2021
	Commencement of Odd Semester	01-10-2021	01-10-2021
	Supplementary Semester	02-08-2021 to 25-09-2021	--


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SDM College of Engineering & Technology, Dharwad

Odd Semester 2020-21

**Academic Calendar for UG Programmes III to VII Sem,
M.Tech. III Sem and MBA III Sem
(Tentative)**

Sl. No.	Particulars	Date
1	Registration	28-08-2020 to 31-08-2020
2	Commencement of Teaching	01-09-2020
3	Last date for registration with late fee	07-09-2020
4	Internal Assessment - IA- I	20-10-2020 to 22-10-2020
5	Communication of performance to the parents	29-10-2020
6	Last date to drop the course	02-11-2020
7	Internal Assessment -IA- II	25-11-2020 to 27-11-2020
8	Students Feedback	07-12-2020 to 09-12-2020
9	Communication of performance to the parents	04-12-2020
10	Last date to withdraw the course	05-12-2020
11	Teacher - Parents Meet	08-12-2020
12	Internal Assessment -IA- III	26-12-2020 to 29-12-2020
13	Last day of teaching for Odd Semester	29-12-2020
14	Display of consolidated Continuous Internal Evaluation (CIE)	07-01-2021
15	Communication of performance to the parents	08-01-2021
16	Final Lab Assessments	02-01-2021 to 07-01-2021
17	Semester End Examination	13-01-2021 to 21-01-2021
18	Inter Semester Recess	28-02-2021 to 04-02-2021
19	Declaration of Results	08-02-2021
20	Communication of performance to the parents by putting on website	09-02-2021
21	Makeup SEE for odd semesters	15-02-2021 to 19-02-2021
Commencement of Even Semester :		09-02-2021


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SDM College of Engineering & Technology, Dharwad

Even Semester 2020-21

Academic Calendar for UG Programmes IV to VIII Sem,

M.Tech. IV Sem and MBA IV Sem

(Tentative)

Sl. No.	Particulars	Date
1	Registration	08-02-2021 to 09-02-2021
2	Commencement of Teaching	09-02-2021
3	Last date for registration with late fee	12-02-2021
4	Internal Assessment - IA- I	24-03-2021 to 26-03-2021
5	Communication of performance to the parents	05-04-2021
6	Last date to drop the course	07-04-2021
7	Internal Assessment - IA- II	28-04-2021 to 30-04-2021
8	Last date to withdraw the course	03-05-2021
9	Communication of performance to the parents	05-05-2021
10	Parents Meet	08-05-2021
11	Feedback by Students	17-05-2021 to 18-05-2021
12	Internal Assessment -IA- III	27-05-2021 to 31-05-2021
13	Last day of teaching for Even Semester	31-05-2021
14	Final Lab Assessments	03-06-2021 to 09-06-2021
15	Display of consolidated Continuous Internal Evaluation (CIE) marks	07-05-2021
16	Semester End Examination	14-06-2021 to 25-06-2021
17	Summer vacation	26-06-2021 to 31-07-2021
18	Announcement of Results	03-07-2021
19	Communication of performance to the parents	04-07-2021
20	Makeup SEE for Even semesters	07-07-2021 to 10-07-2021

Supplementary Semester: 28-06-2021 to 31-07-2021

Commencement of next Academic Year 2021 - 22: 02-08-2021

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SDM College of Engineering & Technology, Dharwad

Odd Semester 2019-20

Academic Calendar for UG Programmes

Sl. No.	Particulars	Date
1	Registration	27-07-2019 to 31-07-2019
2	Induction program for First Semester (Tentative)	01-08-2019 to 14-08-2019
3	Teaching Commences for odd semester except I Sem	01-08-2019
4	Last date for registration with late fee	06-08-2019
5	Teaching Commences for I semester	16-08-2019
6	Display of attendance	16-09-2019
7	Internal Assessment - IA- I	18-09-2019 to 20-09-2019
8	Communication of performance to the parents	26-09-2019
9	Last date to drop the course	27-09-2019
10	Display of attendance	02-11-2019
11	Internal Assessment -IA- II	04-11-2019 to 06-11-2019
12	Students Feedback	11-11-2019 to 15-11-2019
13	Communication of performance to the parents	13-11-2019
14	Last date to withdraw the course	13-11-2019
15	Teacher - Parents Meet	16-11-2019
16	Internal Assessment -IA- III	27-11-2019 to 29-11-2019
17	Last day of teaching for Odd Semester	30-11-2019
18	Final Lab Assessments	03-12-2019 to 10-12-2019
19	Display of consolidated Continuous Internal Evaluation (CIE) & Attendance	05-12-2019
20	Communication of performance to the parents	05-12-2019
21	Semester End Examination	13-12-2019 to 27-12-2019
22	Inter Semester Recess	28-12-2019 to 12-01-2020
23	Declaration of Results	09-01-2020
24	Communication of performance to the parents by putting on website	10-01-2020
25	Makeup SEE for odd semesters	11-01-2020 to 18-01-2020
Commencement of Even Semester :		13-01-2020

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SDM College of Engineering & Technology, Dharwad

Academic Calendar for Even Semester 2019-20

B.E. & M.Tech IV Sem

Sl. No.	Particulars	Date
1	Registration	18-01-2020 to 20-01-2020
2	Commencement of Teaching	21-01-2020
3	Last date for registration with late fee	24-01-2020
4	Display of attendance	28-02-2020
5	Internal Assessment - IA- I	02-03-2020 to 04-03-2020 <i>HTN</i>
6	Communication of performance to the parents	12-03-2020
7	Last date to drop the course	13-03-2020
8	Parents Meet	21-03-2020
9	Display of attendance	03-04-2020
10	Internal Assessment - IA- II	07-04-2020 to 09-04-2020 <i>TNT</i>
11	Last date to withdraw the course	16-04-2020
12	Communication of performance to the parents ;	16-04-2020
13	Feedback by Students	20-04-2020 to 24-04-2020
14	Internal Assessment -IA- III	06-05-2020, 07-05-2020 & 08-05-2020 <i>NTF</i>
15	Last day of teaching for Even Semester	09-05-2020
16	Final Lab Assessments	13-05-2020 to 23-05-2020
17	Display of consolidated Continuous Internal Evaluation (CIE) marks & Attendance for 8 th semester	14-05-2020
18	Display of consolidated CIE marks & Attendance for 2 nd , 4 th & 6 th semesters (Both for UG & PG)	16-05-2020
19	Semester End Examination for 8 th semester	18-05-2020 to 26-05-2020
20	Communication of performance to the parents	18-05-2020
21	Semester End Examination for 2 nd , 4 th & 6 th semesters (Both for UG & PG -Project)	28-05-2020 to 13-06-2020
22	Project exam for 8 th semester	29-05-2020 to 04-06-2020
23	Results for 8 th semester	04-06-2020
24	Makeup SEE for 8 th semester semesters	08-06-2020 & 09-06-2020
25	Summer vacation	14-06-2020 to 02-08-2020
26	Announcement of Results for 2 nd , 4 th & 6 th semester (Both for UG & PG)	20-06-2020
27	Makeup SEE for even semesters	22-06-2020 & 23-06-2020

Supplementary Semester: 20-06-2020 to 31-07-2020

Commencement of next Academic Year 2020 - 21: 03-08-2020

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SDM College of Engineering & Technology, Dharwad

Odd Semester 2018-19

Academic Calendar for B.E., M.Tech. & MBA

Sl. No.	Particulars	Date
1	Registration	27-07-2018 to 31-07-2018
2	Induction program for First Semester (Tentative)	01-08-2018 to 14-08-2018
3	Teaching Commences for odd semester except I Sem	01-08-2018
4	Last date for registration with late fee	06-08-2018
5	Teaching Commences for I semester	16-08-2018
6	Display of attendance	15-09-2018
7	Internal Assessment - IA - I	17-09-2018 to 19-09-2018
8	Communication of performance to the parents	25-09-2018
9	Last date to drop the course	27-09-2018
10	Display of attendance	22-10-2018
11	Internal Assessment - IA - II	23-10-2018, 25-10-2018 & 26-10-2018
12	Communication of performance to the parents	31-10-2018
13	Teacher - Parents Meet	03-11-2018
14	Last date to withdraw the course	05-11-2018
15	Students Feedback	12-11-2018 to 17-11-2018
16	Internal Assessment - IA - III	28-11-2018 to 30-11-2018
17	Last day of teaching for Odd Semester	30-11-2018
18	Final Lab Assessments	03-12-2018 to 10-12-2018
19	Display of consolidated Continuous Internal Evaluation (CIE) & Attendance	05-12-2018
20	Communication of performance to the parents	05-12-2018
21	Semester End Examination	13-12-2018 to 28-12-2018
22	Inter Semester Recess	29-12-2018 to 10-01-2019
23	Declaration of Results	09-01-2019
24	Communication of performance to the parents by putting on website	10-01-2019
25	Makeup SEE for odd semesters	11-01-2019 to 18-01-2019
Commencement of Even Semester :		11-01-2019

* 20-10-2018 may be declared as holiday and 14-10-2018 as working day

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SDM College of Engineering & Technology, Dharwad
Academic Calendar for Even Semester 2018-19
B.E., M.Tech & MBA

Sl. No.	Particulars	Date
1	Registration	09-01-2019 to 11-01-2019
2	Commencement of Teaching	11-01-2019
3	Last date for registration with late fee	18-01-2019
4	Display of attendance	18-02-2019
5	Internal Assessment - IA- I	20-02-2019 to 22-02-2019
6	Communication of performance to the parents	28-02-2019
7	Last date to drop the course	01-03-2019
8	Parents Meet	09-03-2019
9	Insignia - 2019	15-03-2019 & 16-03-2019
10	Display of attendance	30-03-2019
11	Internal Assessment - IA- II	01-04-2019 to 03-04-2019
12	Last date to withdraw the course	06-04-2019
13	Communication of performance to the parents	10-04-2019
14	Feedback by Students	22-04-2019 to 27-04-2019
15	Internal Assessment -IA- III	30-04-2019 to 03-05-2019
16	Last day of teaching for Even Semester	03-05-2019
17	Final Lab Assessments	06-05-2019 to 18-05-2019
18	Display of consolidated Continuous Internal Evaluation (CIE) marks & Attendance for 8 th semester	07-05-2019
19	Semester End Examination for 8 th semester	08-05-2019 to 17-05-2019
20	Display of consolidated CIE marks & Attendance for 2 nd , 4 th & 6 th semesters (Both for UG & PG)	08-05-2019
21	Communication of performance to the parents	08-05-2019
22	Project exam for 8 th semester	20-05-2019 to 25-05-2019
23	Semester End Examination for 2 nd , 4 th & 6 th semesters (Both for UG & PG)	20-05-2019 to 03-06-2019
24	Results for 8 th semester	30-05-2019
25	Summer vacation	04-06-2019 to 31-07-2019
26	Announcement of Results for 2 nd , 4 th & 6 th semester (Both for UG & PG)	10-06-2019

Supplementary Semester: 12-06-2019 to 27-07-2019

Commencement of next Academic Year 2019 - 20: 01-08-2019


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SDM College of Engineering & Technology, Dharwad

Odd Semester 2017-18

Academic Calendar for B.E. (I, III, V & VII), M.Tech./MBA (III Sem)

Sl. No.	Particulars	Date
1	Registration	24-07-2017 to 27-07-2017
2	Induction program for First Semester (Tentative)	01-08-2017
3	Teaching Commences for odd semester	28-07-2017
4	Last date for registration with late fee	04-08-2017
5	Internal Assessment – IA – I	11-09-2017 to 13-09-2017
6	Display of attendance and IA-I marks	18-09-2017
7	Communication of performance to the parents	20-09-2017
8	Last date to drop the course	22-09-2017
9	Internal Assessment – IA – II	12-10-2017 to 14-10-2017
10	Display of attendance and IA – II marks	17-10-2017
11	Communication of performance to the parents	19-10-2017
12	Teacher – Parents Meet	27-10-2017
13	Last date to withdraw the course	28-10-2017
14	Students Feedback	20-11-2017 to 25-11-2017
15	Internal Assessment – IA – III	28-11-2017 to 30.11.2017
16	Last day of teaching for Odd Semester	01-12-2017
17	Final Lab Assessments	04-12-2017 to 11-12-2017
18	Display of consolidated Continuous Internal Evaluation (CIE) & Attendance	06-12-2017
19	Communication of performance to the parents	06-12-2017
20	Semester End Examination	15-12-2017 to 02-01-2018
21	Inter Semester Recess	03-01-2018 to 15-01-2018
22	Declaration of Results	13-01-2018
23	Communication of performance to the parents by putting on website	16-01-2018
24	Makeup SEE for odd semesters	17-01-2018 to 19-01-2018
Commencement of Even Semester :		16-01-2018

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SDM College of Engineering & Technology, Dharwad

Academic Calendar for UG Programmes V and VII Semesters Odd Semester 2022-23

Sl. No.	Particulars	Date
1	Registration	29-08-2022 to 30-08-2022
2	Commencement of Teaching	01-09-2022
3	Last date for registration with late fee	02-09-2022
4	Display of Attendance	15-10-2022
5	Internal Assessment - IA- I	17-10-2022 to 19-10-2022
6	Communication of performance to the parents	27-10-2022
7	Last date to drop the course	28-10-2022
8	Display of Attendance	22-11-2022
9	Internal Assessment -IA- II	23-11-2022 to 25-11-2022
10	Communication of performance to the parents	30-11-2022
11	Last date to withdraw the course	01-12-2022
12	Teacher - Parents Meet	03-12-2022
13	Students Feedback	05-12-2022 to 09-12-2022
14	Internal Assessment -IA- III	20-12-2022 to 22-12-2022
15	Last day of teaching for Odd Semester	22-12-2022
16	Final Lab Assessments	26-12-2022 to 03-01-2023
17	Display of consolidated Continuous Internal Evaluation (CIE) and Attendance	28-12-2022
18	Communication of performance to the parents	29-12-2022
19	Semester End Examination	06-01-2023 to 21-01-2023
20	Inter Semester Recess	22-01-2023 to 31-01-2023
21	Declaration of Results	25-01-2023
22	Communication of performance to the parents by putting on website	27-01-2023
23	Makeup SEE for odd semesters	27-01-2023 to 31-01-2023
Commencement of Even Semester :		01-02-2023


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24/8/22
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Department of Chemical Engineering
Course Plan (2021-22)

Course Teacher Prof. Ashoka H.S	Course : Chemical Reaction Engineering-II	Course code: 18UCHC500	Credits: 4-0-0	52 Hrs. (18 Week)	V Semester	1st Oct 2021 to 01st Feb 2022
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Class No	Lesson Plan	Teaching aid, material and books	Mapping to CO/POs/PSOs	Scope of Assessment: IA1, IA2, IA3, CTA and implementation of action plan
1. (Unit -1)	Introduction to Subject, Syllabus discussion, books to be referred CO and PO to be discussed	Black Board (BB)/LCD/NPTEL	CO 1 and PO1,2	
2.	1st Chapter- Basics of non-ideal flow: Causes for non-ideal flow, exit age distribution.	BB		
3.	The residence time distribution, E, C and F – Curves.			
4.	Experimental methods, Micro and macro mixing.			
5.	Conversion from RTD data.			
6.	Dispersion model.			
7.	Tanks in series model.			
8.	Problems on dispersion model.			
9.	Problems on tanks in series model.			
10.	Linear and non-linear processes.			Assignment, IAI
11. (Unit -2)	2nd Chapter- Fluid-Particle Reaction: Introduction to heterogeneous non-catalytic reactions.	BB	CO 5, and PO 2, 3, 4,13	
12.	Industrial examples.			
13.	Overall rate expression.			
14.	Ideal contacting patterns.			
15.	Progressive conversion model.			
16.	Shrinking core model.			Quiz, Assignment and IAI
17.	Conversion – time expression.			
18.	Problems on above models.			
19.	Design of reactors for single size.			
20.	Design of reactors for different sizes.			
21. (Unit -III)	3rd Chapter- Fluid - Fluid Reactions: Industrial examples.	BB	CO5 and PO,2,3,4,13	
22.	Rate equations for straight mass transfer.			
23.	Rate equations for mass transfer with chemical reactions.			
24.	Various kinetic regimes.			
25.	Liquid film enhancement factor, Role of Hatta number,			
26.	Design of reactors under co current operation.			
27.	Design of reactors under counter current operation.			
28.	Controlling mechanisms.			
29.	Problems on straight mass transfer.			

30.	Problems on design.			Assignment, IAI
31. (Unit -IV)	4th Chapter – Fluid – Solid Catalytic reactions: The nature and mechanism of catalytic reactions.	RS	CO2 and PO1,4	
32.	Adsorption isotherms.			
33.	Physical properties.			
34.	Chemical properties.			
35.	Dynamic and mechanical properties.			
36.	Catalyst preparations methods.			
37.	Overall rate expressions for various controlling mechanisms.		CO3 and PO3,4,13	
38.	Problems on physical properties.			
39.	Problems on adsorption isotherms.			
40.	Controlling mechanisms for various reactions.			
41. (Unit -V)	5th Chapter – Catalyst deactivation: Causes for deactivation.	RS	CO4 and PO3,4	
42.	Experimental methods to find deactivation kinetics using batch-solids.			
43.	Experimental methods to find deactivation kinetics using batch fluids			
44.	Constant and variable flow of fluid.			
45.	Problems on batch solids.			
46.	Problems on batch – constant flow of fluids.			
47.	Problems on batch – variable of fluid.			
48.	Activity for different orders.			
49.	To determine amount of catalyst.			
50.	To determine conversion – time.			Assignment, Quiz, IAIII

Action plan based on the observations taken from the previous semester: (CO1: 95 CO2: 95 CO3: 95 CO4: 95 CO5: 95, PO1: 95 PO2: 95 PO3: 95 PO4: 95, PO13: 48)

- More numerical problems to be solved on non ideal flow and fluid – fluid, fluid – particle reactions.
- More emphasis on problems related to deactivation kinetics.
- **Implementation of the action plan**
- Assignment I, II and III are given to solve more numerical problems.


Signature of HOD


Signature of IQAC Member

SDM College of Engineering and Technology, Dharwad.
Department of Chemical Engineering

Lesson Plan 2017-18.

Subject: Bio Chemical Engineering

Semester: VII

Name of faculty: Rashmi S. H.

Lecture No	Lesson Plan	Teaching Method Black board, LCD/Board
1	Introduction – subject importance, syllabus discussion	
2	Chapter-1: Microbiology Role of Chemical Engineering in Bioprocess Industry. Basic Biological science.	.
3	Microbiology introduction, Structure of cells: prokaryotes and eukaryotes.	ppt
4	Five kingdom system, Classification of micro organisms, Taxonomy, importance of microbiology	
5	Cycles of life – oxygen, nitrogen, carbon, calcium, phosphorous etc.	
6	Chapter-2: Biochemistry Introduction of biomolecules and their importance	ppt .
7	Lipids and Sugars	
8	Amino acids and proteins – types, structures and functions	
9	Vitamins, steroids and nucleic acids: RNA and DNA	
10	Chapte-3: Enzyme catalyzed reactions Introduction	ppt & BB .
11	Detailed structure of proteins and enzymes, Functions	
12	Methods of production and purification of enzymes	
13	Nomenclature and classification of enzymes	
14	Kinetics of enzyme action	
15	Michaelis –Menten rate equation	
16	Different Inhibitors and their effects.	
17	Effect of temperature and pH on rates of enzyme catalyzed reactions	