

DIRECTION

No. 37/2018

Dated :- 13/09/2018

Subject :-Corrigendum to Direction No. 31 of 2011 in respect of the Schemes of teaching & examination of III to VIII/X Semesters as per C.G.S. of various branches in the Faculty of Science & Technology.

Whereas, Direction No. 31/2011 in respect of the Schemes of teaching & examination of Semesters III to VIII / X as per Credit Grade of various branches in the Faculty of Science & Technology is in existence,

AND

Whereas, the Academic Council in its meeting held on 13/07/2016 vide Item No. 47 (9) has approved the revised syllabi of of B.E. (Civil) Semester I to VIII as per Credit Grade System to be implemented from the academic session 2016-2017 & onwards in phase wise manner,

AND

Whereas, the revised syllabi of B.E. (Civil) Semester I to VIII as per Credit Grade System are implemented from the academic session 2016-2017 and onwards in phase wise manner,

AND

Whereas, there are changes in the Schemes of teaching & examination of Semester VI, VII & VIII of B.E. (Civil), the Ad-hoc Committee in Civil Engineering (Incl. Construction Technology) in its meeting held on 14/08/2018 resolved to recommend to implement the new Scheme of teaching & Examination of Semester V to VIII of B.E.(Civil) as per Credit Grade System in phase-wise manner i.e. Semester V & VI from the academic session 2018-2019 and Semester VII & VIII from the academic session 2019-2020,

AND

Whereas, the Hon'ble Vice-Chancellor has accepted the new Scheme of teaching & Examination of Semester V to VIII of B.E. (Civil) as per Credit Grade System u/s 12 (7) of Maharashtra Public Universities Act, 2016 on behalf of the Faculty of Science & Technology and Academic Council on 27/8/2018 to be implemented from the session 2018-2019 and onwards,

AND

Whereas, the new Schemes of teaching & examinations of Semesters V to VIII of B.E. (Civil) are required to be regulated by an Ordinance/ Regulation,

AND

Whereas, the new Schemes of teaching & examinations of Semesters V to VIII of B.E. (Civil) as per C.G.S. are to be implemented from the academic session 2018-2019 & onwards,

AND

Whereas, the process of making an Ordinance / Regulation is a time consuming process,

Now, therefore, I, Dr. M.G. Chandekar, Vice-Chancellor of Sant Gadge Baba Amravati University, Amravati in exercise of powers conferred upon me under the sub-section (8) of Section 12 of the Maharashtra Public Universities Act, 2016, do hereby direct as under :-

This Direction shall be called "Corrigendum to Direction Nos. 31 of 2011 in respect of the Schemes of teaching & examination of III to VIII/X Semesters as per C.G.S. of various branches in the Faculty of Science & Technology Direction, 2018".

- 1) The Direction shall come into force from the date of its issuance.
- 2) This Direction shall come into force with effect from the academic session 2018-2019.
- 3) The new Schemes of teaching and examination of Semesters V to VIII of B.E. (Civil) as per C.G.S. in the Faculty of Science & Technology shall be as per Appendix-A appended with this Direction.

Date : 11/09/2018

Sd/-
(Dr.M.G. Chandekar)
Vice-Chancellor
Sant Gadge Baba Amravati University

FOUR YEAR B.E. DEGREE COURSE IN CIVIL ENGINEERING
SEMESTER PATTERN (CREDIT GRADE SYSTEM)

Appendix-A

SEMESTER : FIFTH																	
Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			DURATION OF PAPER (Hr.)	MAX. MARKS THEORY PAPER	MAX. MARKS COLLEGE ASSESSMENT	TOTAL	MIN. PASSING MARKS	MAX. MARKS		TOTAL	MIN. PASSING MARKS	
		EXTERNAL		INTERNAL													
THEORY																	
01	5CE01	Reinforced Cement Concrete-II	3	1	--	4	4	4	80	20	100	40	--	--	--	--	
02	5CE02	Fluid Mechanics - II	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
03	5CE03	Building Planning & CAD	2	--	--	2	2	4	80	20	100	40	--	--	--	--	
04	5CE04	Surveying -II	4	--	--	4	4	3	80	20	100	40	--	--	--	--	
05	5FECE05	Free Elective-I	3	--	--	3	3	3	80	20	100	40	--	--	--	--	
06	5CE06	Communication Skills	2	--	--	2	2	2	40	10	50	20					
PRACTICALS / DRAWING / DESIGN																	
07	5CE07	Fluid Mechanics - II Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	5CE08	Building Planning & CAD - Lab	--	--	4	4	2	--	--	--	--	--	25	25	50	25	
09	5CE09	Surveying -II - Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
10	5CE10	Communication Skills Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
Total			17	2	10	29	24				550				200		
Total															750		

Free Elective-I: (i) Introduction to Earthquake Engineering (ii) Basics of Building Construction (iii) Watershed Management

SEMESTER : SIXTH																
THEORY																
01	6CE01	Numerical Methods & Computer Programming	4	--	--	4	4	3	80	20	100	40	--	--	--	--
02	6CE02	Design of RCC & Prestressed Concrete Structures	4	--	--	4	4	4	80	20	100	40	--	--	--	--
03	6CE03	Water Resources Engineering - I	3	--	--	3	3	3	80	20	100	40	--	--	--	--
04	6CE04	Transportation Engineering - II	3	1	--	4	4	3	80	20	100	40	--	--	--	--
05	6FECE05	Free Elective-II	3	--	--	3	3	3	80	20	100	40	--	--	--	--
06	6CE06	Estimating & Costing	3	1	--	4	4	4	80	20	100	40	--	--	--	--
PRACTICALS / DRAWING / DESIGN																
07	6CE07	Numerical Methods & Computer Programming – Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
08	6CE08	Design of RCC & Prestressed Concrete Structures –Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
09	6CE09	Estimating & Costing – Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
10	6CE10	Minor Project – Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
Total			20	2	8	30	26				600				200	--
Total															800	

Free Elective-II : (i) Disaster Management (ii) Environment Management

Note : Students will have to opt the Free Electives offered from Other Courses of their College / Institution/ University Department .

FOUR YEAR B.E. DEGREE COURSE IN CIVIL ENGINEERING
SEMESTER PATTERN (CREDIT GRADE SYSTEM)
SEMESTER : SEVENTH

Sr. No.	Subject Code	Subject	TEACHING SCHEME					EXAMINATION SCHEME									
			HOURS / WEEK			Total HOURS/WEEK	CREDITS	THEORY					PRACTICAL				
			Lecture	Tutorial	P/D			DURATION OF PAPER (Hr.)	MAX. MARKS THEORY	MAX. MARKS COLLAGE	TOTAL	MIN. PASSING MARKS	MAX. MARKS		TOTAL	MIN. PASSING MARKS	
		EXTERNAL	INTERNAL														
THEORY																	
01	7CE01	Theory of Structures – II	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
02	7CE02	Geotechnical Engineering – II	3	1	--	4	4	3	80	20	100	40	--	--	--	--	
03	7CE03	Design of Steel Structures	4	--	--	4	4	4	80	20	100	40	--	--	--	--	
04	7CE04	Environmental Engineering - I	4	--	--	4	4	3	80	20	100	40	--	--	--	--	
05	7CE05	Professional Elective-I	4	--	--	4	4	3	80	20	100	40	--	--	--	--	
PRACTICALS / DRAWING / DESIGN																	
06	7CE06	Computer Aided Analysis & Design-Lab	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
07	7CE07	Geotechnical Engineering. – II Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
08	7CE08	Design of Steel Structure-Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25	
09	7CE09	Project & Seminar	--	--	2	2	4	--	--	--	--	--	--	50	50	25	
Total			18	2	8	28	27	--	--	--	500	--	--	--	200	--	
Total															700		

Professional Elective-I: (i) Advanced Water Treatment (ii) Advanced Geotechnical Engineering (iii) Water Power Engineering (iv) Prestressed Concrete (v) Artificial Neural Network & Fuzzy Logic (vi) Advanced Concrete Technology (vii) Environmental Pollution & Rural Sanitation (viii). Advanced Earthquake Engineering .

SEMESTER : EIGHTH

THEORY																
01	8CE01	Water Resources Engineering – II	3	--	--	3	3	3	80	20	100	40	--	--	--	--
02	8CE02	Environmental Engineering - II	3	--	--	3	3	3	80	20	100	40	--	--	--	--
03	8CE03	Project Planning & Management	3	--	--	3	3	3	80	20	100	40	--	--	--	--
04	8CE04	Professional Elective –II	4	--	--	4	4	3	80	20	100	40	--	--	--	--
PRACTICALS / DRAWING / DESIGN																
05	8CE05	Water Resources Engineering –II Lab.	--	--	2	2	1	--	--	--	--	--	25	25	50	25
06	8CE06	Environmental Engineering - II Lab -	--	--	2	2	1	--	--	--	--	--	25	25	50	25
07	8CE07	Project & Seminar	--	--	6	6	12	--	--	--	--	--	75	75	150	75
Total			13	--	10	23	27	--	--	--	400	--	--	--	250	--
Total															650	

Prof. Elective-II: *(i) .Advanced Design of Steel Structures (ii) Advanced Waste Water & Industrial Waste Treatment (iii) Finite Element Method (iv) Dam Engineering (v) Advanced Engineering Geology (vi) Matrix Computer Analysis of Structures (vii) Lateral Load Analysis (viii) Rock Mechanics *(ix) Advanced Design of RCC Structures (x) Architecture & Town Planning

* PAPERS 4 HOURS DURATION.