

TELANGANA UNIVERSITY UG COURSES

CHOICE BASED CREDIT SYSTEM

RULES & REGULATIONS

These Regulations shall be called Telangana University regulations governing Undergraduate Programmes under the Choice Based Credit System (CBCS). The Choice Based Credit System is offered only to the students admitted in Constituent Colleges and Affiliated Colleges to Telangana University from the Academic Year 2019-2020.

These Regulations shall come into force from the Academic Year 2019-2020.

1) DEFINITIONS OF KEY WORDS:

1. **University:** Telangana University, Dichpally, Nizamabad.
2. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
3. **Semester:** Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to November and even semester from December to April.
4. **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core, elective and Foundation Courses)
5. **Programme:** An educational programme leading to award of a Degree or certificate.
6. **Course:** Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weightage. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study etc. or a combination of some of these.
7. **Degree:** Means undergraduate Degree.
8. **Board of Studies:** Means UG Board of Studies of the University in the discipline/subjects concerned.
9. **Academic Senate:** Means Academic Senate of Telangana University.
10. **Fee:** Means the fee prescribed by the University for the Undergraduate Programmes from time to time.
11. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week.
 - i) 1 Credit= 1 Theory period of one hour duration.
 - ii) 1 Credit= 1 Tutorial period of one hour duration.
 - iii) 1 Credit= 1 Practical period of two hour duration.

12. Grade Letter: is an index to indicate the performance of a student in a particular course (Paper). It is the transformation of actual marks secured by a student in a course/paper. Grade letters are A+,A,B+,B,C+,C,D,F,Ab(Absent).

13. Grade Point: It is a numerical weightage allotted to each letter grade on a 10-point scale.

14. Credit Point: It is the product of grade point and number of credits for a course.

15. Semester Grade Point Average (SGPA): It is a measure of academic performance of student/s in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.

16. Cumulative Grade Point Average (CGPA): It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points earned by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.

2) CHOICE BASED CREDIT SYSTEM (CBCS) IN UG COURSES

2.1) Main features of the Choice Based Credit System (CBCS):

1. All the UG Departments in the Faculties of Science, Social Sciences, Arts, Commerce and Business Management of the constituent and affiliated colleges of TU shall participate in this Choice Based Credit System (CBCS) from the academic year 2019-20.
2. In the CBCS system continuous evaluation of the students in all the semesters is done through Internal Assessment Examinations, Assignments, etc..
3. Course contents of each UG Programme are designed to meet the ever changing requirements of the industry/job market/needs of society.
4. Each paper/course is assigned a specific number of credits and the marks secured by a student are converted into grade points and credit points. The performance of a student in a semester is expressed as Semester Grade Point Average (SGPA) and the combined performance of a student in all the semesters of the UG programme is expressed as Cumulative Grade Point Average (CGPA).

2.2) CBCS Course Structure:

1. UG Courses in the CBCS are offered within the Semester pattern.
2. There shall be six semesters in each UG Course. The duration of an Academic year consists of two semesters, each of 15 weeks of teaching.
3. The Academic session in each semester will provide 90 teaching days.
4. The period of the odd semesters shall be July to November and the even semesters shall be from December to April.
5. There shall be six categories of courses/papers in the UG programmes:
 - i. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.

- ii. **Discipline Specific Elective (DSE) Course:** Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).
 - iii. **Dissertation/Project:** An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.
 - iv. **Generic Elective (GE) Course:** An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.
P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.
 - v. **Ability Enhancement Compulsory Courses (AECC):** Environmental Science, English Communication/MIL Communication.
 - vi. **Skill Enhancement Courses (SEC):** These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.
6. Each course/paper shall have a character code which indicates
- i. The Department
 - ii. The Semester
 - iii. The Course No./Paper No.

3) **Attendance :**

1. 75% of attendance is compulsory for all students. A student shall be considered to have satisfied the requirement of attendance for appearing for the semester end examination, if he/she has attended not less than 75% of the number of classes held upto the end of the semester including test and practical's, etc.
2. However, there is a provision for condonation of attendance for the students who have attendance between $\geq 65\%$ and $< 75\%$ on Medical Grounds on payment of a fee and production of medical certificate.
3. If a student represents his/her institution, University, State or Nation in Sports, NCC, NSS or Cultural or any other officially sponsored activities, he/she shall be eligible to claim the attendance for the actual number of days participated subject to a maximum of 20 days in a semester based on the specific recommendations of the Head of the Department and Principal of the College concerned.
4. A Student who does not satisfy the requirements of attendance shall not be permitted to take internal assessment as well as the Semester examinations.

4) **Medium of Instruction:**

The medium of instruction shall be English/Telugu/Urdu.

5) **Award of Grades, SGPA, CGPA:**

Credits, Grade Letter, Grade Points and Credit Points

1. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week.
 - i) 1 Credit= 1 Theory period of one hour duration.
 - ii) 1 Credit= 1 Tutorial period of one hour duration.
 - iii) 1 Credit= 1 Practical period of two hour duration.

2. **Grade Letter:** is an index to indicate the performance of a student in a particular course (Paper). It is the transformation of actual marks secured by a student in a course/paper. Grade letters are A+, A, B+, B, C+,C, D, F(Fail), Ab (Absent).
3. **Grade Point:** It is a numerical weightage allotted to each letter grade on a 10-point scale.
4. **Credit Point:** It is the product of grade point and number of credits for a course.

Award of Grades

“The UGC recommends a 10-point grading system with the following letter grades as given below”.

Grade Point Scale		
Letter Grade	Grade Point	Score Marks Range
A+	10	>=90 & <=100
A	9	>=80 & <90
B+	8	>=70 & <80
B	7	>=60 & <70
C+	6	>=55 & <60
C	5	>=50 & <55
D	4	>=40 & <50
F(FAIL)	0	<40

$$SGPA(S_i) = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

$C_i \Rightarrow$ No. of Credits in the i^{th} Course.
 $G_i \Rightarrow$ Grade Point Scored by the student in the i^{th} Course.

Semester Grade Point Average (SGPA):

Credit Points for the paper = No. of Credits assigned for the paper X Grade Point secured for that course/Paper.

SGPA indicates the performance of a student in a given Semester. SGPA is based on the total **credit points** earned by the student in all the courses and the total number of credits assigned to the courses/papers in a Semester.

$$SGPA = \frac{\sum(\text{Letter Grade Points}) \times (\text{Credits})}{\sum(\text{Credits})}$$

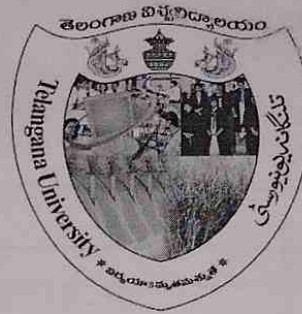
$$CGPA = \frac{\sum(SGPA) \times (\text{Credits})}{\sum(\text{Total Credits})}$$

Note: SGPA is computed only if the candidate passes in all the papers (gets a minimum ‘D’ grade in all the papers).

B.Com (Computer Applications)

Syllabus (CBCS)

(w.e.f. 2019–2020)



FACULTY OF COMMERCE
TELANGANA UNIVERSITY
DICHPALLY, NIZAMABAD
TELANGANA STATE-503322

2019

**B.COM (Computer Applications)
CBCS COURSE STRUCTURE
w.e.f. 2019-'20**

Sl.No.	Code	Course Title	HPW	Credits	Exam Hrs	Marks
(1)	(2)	(3)	(5)	(6)	(7)	(8)
SEMESTER - I						
1.	ELS1	English (First Language)	4	4		
2.	SLS1	Second Language	4	4		
3.	AECC1	a) Environmental Science/ b) Basic Computer Skills	2	2		
4.	DSC101	Financial Accounting-I	5	5	3 hrs	80U+20I
5.	DSC102	Business Organization and Management	5	5	3 hrs	80U+20I
6.	DSC103	Fundamentals of Information Technology	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	27	25		
SEMESTER - II						
7.	ELS2	English (First Language)	4	4		
8.	SLS2	Second Language	4	4		
9.	AECC2	a) Basic Computer Skills/ b) Environmental Science	2	2		
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Programming with C & C++	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	27	25		
SEMESTER - III						
13.	ELS3	English (First Language)	3	3		
14.	SLS3	Second Language	3	3		
15.	SEC1 UGC Specified Course	a) Communication Skills b) Professional Skills	2	2	1 ½ hrs	40U+10I
16.	SEC2 Dept. Specified Course	a) Principles of Insurance b) Foundation of Digital Marketing & Web Design	2	2	1 ½ hrs	40U+10I
17.	DSC301	Advanced Accounting	5	5	3 hrs	80U+20I
18.	DSC302	Business Statistics-I	5	5	3 hrs	80U+20I
19.	DSC303	Relational Database Management System	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	27	25		
SEMESTER - IV						
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	SEC3 UGC Specified	a) Leadership & Management Skills b) Universal Human Values	2	2	1 ½ hrs	40U+10I
23.	SEC4 Dept. Specified Course	a) Practice of Life and General Insurance b) Social Media Marketing Search Engine Optimization & Online Advertising	2	2	1 ½ hrs	40U+10I

Faculty of Commerce

TU

24.	DSC401	Income Tax	5	5	3 hrs	80U+20I
25.	DSC402	Business Statistics-II	5	5	3 hrs	80U+20I
26.	DSC403	Web Technologies	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	27	25		
SEMESTER - V						
27.	ELS5	English (First Language)	3	3		
28.	SLS5	Second Language	3	3		
29.	GE	Business Economics	4	4	3 hrs	80U+20I
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	5	5	3 hrs	80U+20I
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	3T+4P/ 5	5	3 hrs	50T+35P + 15I/ 80U+20I
32.	DSE503	a) Management Information Systems/ b) Ecommerce/c) Mobile Applications	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	29/27	25		
SEMESTER - VI						
33.	ELS6	English (First Language)	3	3		
34.	SLS6	Second Language	3	3		
35.	PR	Research Methodology and Project Report	2T+4R	4	1 ½ hrs	40U+10I 35R+15VV
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	3T+4P/ 5	5	3 hrs	50T+35P + 15I/ 80U+20I
38.	DSE603	a) Multimedia Systems/ b) Cyber Security/c) Data Analytics	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	31/29	25		
		GRAND TOTAL	168/164	150		

ELS: English Language Skill; SLS: Second Language Skill; AEC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory; P: Practical; I: Internal Exam U: University Exam; PR: Project Report; VV: Viva-Voce Examination.

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AEC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	40		150
	Commerce	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

**Proposed
B.Sc. Botany Syllabus**

Under Choice Based Credit System

2019-20

**Meeting held with Heads & Chairperson,
BOS of Six Conventional Universities
on 15th June, 2019 at TSCHE-Hyderabad.**

Annexure – I (Credits)
Proposed CBCS Scheme for B.Sc.
w.e.f 2019-20

Courses		Papers	Total Credits	Credits for each paper / Semester					
				B.Sc.					
				I	II	III	IV	V	VI
Core Courses DSC	Optional-1	4	20	5	5	5	5	-	-
	Optional-2	4	20	5	5	5	5	-	-
	Optional-3	4	20	5	5	5	5	-	-
Elective Courses DSE	Optional-1	2	10	-	-	-	-	5	5
	Optional-2	2	10	-	-	-	-	5	5
	Optional-3	2	10	-	-	-	-	5	5
Language	English(First Language)	5	20	4	4	3	3	3	3
	Second Language	5	20	4	4	3	3	3	3
Ability Enhancement Compulsory Course AECC	Environmental Science / Basic Computer Skills	1	2	2	-	-	-	-	-
	Basic Computer Skills / Environmental Science	1	2	-	2	-	-	-	-
Skill Enhancement Course SEC	SEC1	1	2	-	-	2	-	-	-
	SEC2	1	2	-	-	2	-	-	-
	SEC3	1	2	-	-	-	2	-	-
	SEC4	1	2	-	-	-	2	-	-
Generic Elective GE	Open Stream	1	4	-	-	-	-	4	-
Project Work/Optionals		1	4	-	-	-	-	-	4
Total Credits in each semester				25	25	25	25	25	25
Total Credits in UG				150					
Credits under Non-CGPA		NSS /NCC /sports / Extra curricular	6	Upto 6 (2 in each year)					
		Summer Internship	4	Upto 4 (2 in each, after I & II years)					

Annexure II
Proposed New Grading System

SGPA (SEMESTER GRADE POINT AVERAGE)			
S. No.	Grade Point	Range of marks	Grade Letter
1	10	Equal to and above 90 Marks	A+
2	9	More than or equal to 80 and less than 90 Marks	A
3	8	More than or equal to 70 and less than 80 Marks	B+
4	7	More than or equal to 60 and less than 70 Marks	B
5	6	More than or equal to 55 and less than 60 Marks	C+
6	5	More than or equal to 50 and less than 55 Marks	C
7	4	More than or equal to 40 and less than 50 Marks	D
8	0	Below 40 Marks	F

TELANGANA STATE COUNCIL OF HIGHER EDUCATION
PROPOSED CBCS COMMON CORE SCHEME FOR B.SC. COURSE
OPTIONAL -1: BOTANY

CODE	PAPER TITLE	Course Type	HPW	Credits
FIRST YEAR SEMSTER - I				
BS 104	PAPER-I : Microbial Diversity and Lower Plants	DSC-1A	4T+2P=6	4+1=5
FIRST YEAR SEMSTER - II				
BS 204	PAPER-II: Gymnosperms, Taxonomy of Angiosperms and Ecology	DSC-1B	4T+2P=6	4+1=5
SECOND YEAR SEMSTER - III				
BS 301	SEC-1: Nursery and Gardening	SEC-1	2	2
BS 302	SEC-2: Biofertilizers and Organic Farming	SEC-2	2	2
BS 304	PAPER-III: Plant Anatomy and Embryology	DSC-1C	4T+2P=6	4+1=5
SECOND YEAR SEMSTER - IV				
BS 401	SEC-3: Greenhouse Technology	SEC-3	2	2
BS 402	SEC-4: Mushroom Culture Technology	SEC-4	2	2
BS 404	PAPER-IV : Cell Biology, Genetics & Plant Physiology	DSC-1D	4T+2P=6	4+1=5
THIRD YEAR SEMESTER - V				
BS 501	GE-1: Industrial Microbiology	GE-1	4T	4
BS 502	DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	DSE-1A / DSE-1B / DSE-1C	4+2	4+1
THIRD YEAR SEMESTER - VI				
BS 601	DSE-3: Project	PROJECT	4	4
BS 602	DSE -2A: Plant Molecular Biology DSE -2B: Tissue Culture and Biotechnology DSE -2C: Analytical Techniques in Plant Sciences	DSE-2A / DSE-2B / DSE-5E	4T+2P=6	4+1=5

AECC: Ability Enhancement Compulsory Course, **SEC:** Skill Enhancement Course, **GE:** Generic Elective, **DSC:** Discipline Specific Core, **DSE:** Discipline Specific Elective.

Courses offered under CBCS system from 2019-20 onwards as per TSCHE guidelines (Applicable to all the Telangana State Universities)

Discipline specific courses (DSC)

Ist Semester

Understanding Political Theory

IInd Semester

Western Political Thought

IIIrd Semester

Indian Political Thought

IVth Semester

Constitution and Politics of India

Discipline specific Electives (DSE)

Vth Semester

I. International Relations

Or

II. Government and Politics in Telangana

VI Semester

I. Global Politics

Or

II . Contemporary social movements

Generic Elective (GE)

Vth Semester

Politics of Development

Project Work / Optional Paper

VIth Semester

Contemporary Political Theory