

SAMBALPUR UNIVERSITY

**THREE YEAR DEGREE COURSE IN
ARTS / SCIENCE / COMMERCE
UNDER CHOICE BASED CREDIT SYSTEM**

Why Choice Based Credit System ?

- ✓ Complete lack of relationship between education, employment and skill development in conventional education system.
- ✓ Conventional education system follows mark system, which, obstructs the flexibility of students to study the courses of their choice and their mobility to different institutions.
- ✓ Measure by UGC to bring equity, efficiency and excellence in Higher Education system of the country.
- ✓ To match the International Education System

Advantages

- ✓ Shift in focus from Teacher-centric to Student-centric
- ✓ Allows to chose inter-disciplinary, intra-disciplinary and skill based courses.
- ✓ Broad based education at par with global standard
- ✓ Mobility for student to go from one institution to another institution without much difficulty.

Overview of Semester system

- ✓ The three year degree course will be completed in 6 semesters of 6 months each
- ✓ Every course work (paper) consists of one theory part and one practical part (practical subjects) or one tutorial part (non-practical subjects)
- ✓ Every course work (paper) bears a numeric unit as a measure of weightage called credit
- ✓ Performance of a candidate in an examination is evaluated in terms of grade point, letter grade, SGPA, CGPA described latter

Types of Courses under CBCS

✓ CORE COURSES

- ✓ Discipline Specific Core (DSC)

✓ ELECTIVE COURSE

- ✓ Discipline Specific Elective (DSE)

- ✓ Generic Elective (GE)

✓ ABILITY ENHANCEMENT COURSES

- ✓ Compulsory Courses (AECC)

- ✓ Skill Enhancement Courses (SEC)

Distribution of Credits among the Courses

Credit means a numerical unit by which the course work is measured

✓ Honours (Total Credit 140)

Core Courses: 84 credits

Elective Courses: 48 credits

Ability Enhancement Courses: 08 credits

✓ Pass (Total Credit 120)

Core Courses: 72 credits

Elective Courses: 36 credits

Ability Enhancement Courses: 12 credits

Distribution of Credits among the Semesters

<i>Semester</i>	HONOURS		PASS	
	<i>Credits</i>	<i>Marks</i>	<i>Credits</i>	<i>Marks</i>
1 st Semester	20	350	20	350
2 nd Semester	20	350	20	350
3 rd Semester	26	450	20	350
4 th Semester	26	450	20	350
5 th Semester	24	400	20	350
6 th Semester	24	400	20	350
TOTAL	140	2400	120	2100

Each theory credit carries a minimum 12 hours of teaching (each class of 1 hour duration) and each practical/tutorial credit carries a minimum 21 hours of instruction (each class of 3 hours duration)

Distribution of Courses (Arts/Science/Commerce Honours) First Year

SEMESTER & SUBJECT	SEMESTER-I			SEMESTER-II		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE (Honours)	DSC-TH1	4/5	50	DSC-TH3	4/5	50
	DSC-TH2	4/5	50	DSC-TH4	4/5	50
	DSC-PR1/TU1	2/1	50	DSC-PR3/TU3	2/1	50
	DSC-PR2/TU2	2/1	50	DSC-PR4/TU4	2/1	50
ELECTIVE COURSES	GE- TH1	4/5	50	GE-TH2	4/5	50
	GE- PR1/TU1	2/1	50	GE-PR2/TU2	2/1	50
ABILITY ENH. COURSE	ENV. STUDIES	2	50	ENGLISH/MIL	2	50
TOTAL		20	350		20	350

Distribution of Courses (Arts/Science/Commerce Honours)

Second Year

SEMESTER & SUBJECT	SEMESTER-III			SEMESTER-IV		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE (Honours)	DSC-TH5	4/5	50	DSC-TH8	4/5	50
	DSC-TH6	4/5	50	DSC-TH9	4/5	50
	DSC-TH7	4/5	50	DSC-TH10	4/5	50
	DSC-PR5/TU5	2/1	50	DSC-PR8/TU8	2/1	50
	DSC-PR6/TU6	2/1	50	DSC-PR9/TU9	2/1	50
	DSC-PR7/TU7	2/1	50	DSC-PR10/TU10	2/1	50
ELECTIVE COURSES	GE- TH3	4/5	50	GE-TH4	4/5	50
	GE- PR3/TU3	2/1	50	GE-PR4/TU4	2/1	50
ABILITY ENH. COURSE	SEC-A	2	50	SEC-B	2	50
TOTAL		26	450		26	450

Distribution of Courses (Arts/Science/Commerce Honours) Final Year

SEMESTER & SUBJECT	SEMESTER-V			SEMESTER-VI		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE (Honours)	DSC-TH11	4/5	50	DSC-TH13	4/5	50
	DSC-TH12	4/5	50	DSC-TH14	4/5	50
	DSC-PR11/TU11	2/1	50	DSC-PR13/TU13	2/1	50
	DSC-PR12/TU12	2/1	50	DSC-PR14/TU14	2/1	50
ELECTIVE COURSES	DSE-TH1	4/5	50	DSE-TH3	4/5	50
	DSE-TH2	4/5	50	DSE-TH4	4/5	50
	DSE-PR1/TU1	2/1	50	DSE-PR3/TU3	2/1	50
	DSE-PR2/TU2	2/1	50	DSE-PR4/TU4	2/1	50
ABILITY ENH. COURSE						
TOTAL		24	400		24	400

Distribution of Courses (Science Pass & Commerce Pass) First Year

SEMESTER & SUBJECT	SEMESTER-I			SEMESTER-II		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE	DSC-A-TH1	4/5	50	DSC-A-TH2	4/5	50
	DSC-B-TH1	4/5	50	DSC-B-TH2	4/5	50
	DSC-C-TH1	4/5	50	DSC-C-TH2	4/5	50
	DSC-A-PR1/TU1	2/1	50	DSC-A-PR2/TU2	2/1	50
	DSC-B-PR1/TU1	2/1	50	DSC-B-PR2/TU2	2/1	50
	DSC-C-PR1/TU1	2/1	50	DSC-C-PR2/TU2	2/1	50
ELECTIVE COURSES						
ABILITY ENH. COURSE	ENV. ST.	2	50	ENGLISH/MIL	2	50
TOTAL		20	350		20	350

Distribution of Courses (Science Pass & Commerce Pass)

Second Year

SEMESTER & SUBJECT	SEMESTER-III			SEMESTER-IV		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE	DSC-A-TH3	4/5	50	DSC-A-TH4	4/5	50
	DSC-B-TH3	4/5	50	DSC-B-TH4	4/5	50
	DSC-C-TH3	4/5	50	DSC-C-TH4	4/5	50
	DSC-A-PR3/TU3	2/1	50	DSC-A-PR4/TU4	2/1	50
	DSC-B-PR3/TU3	2/1	50	DSC-B-PR4/TU4	2/1	50
	DSC-C-PR3/TU3	2/1	50	DSC-C-PR4/TU4	2/1	50
ELECTIVE COURSES						
ABILITY ENH. COURSE	SEC-A	2	50	SEC-B	2	50
TOTAL		20	350		20	350

Distribution of Courses (Science Pass & Commerce Pass) Final Year

SEMESTER & SUBJECT	SEMESTER-V			SEMESTER-VI		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE						
ELECTIVE COURSES	DSE-A-TH1	4/5	50	DSE-A-TH2	4/5	50
	DSE-B-TH1	4/5	50	DSE-B-TH2	4/5	50
	DSE-C-TH1	4/5	50	DSE-C-TH2	4/5	50
	DSE-A-PR1/TU1	2/1	50	DSE-A-PR2/TU2	2/1	50
	DSE-B-PR1/TU1	2/1	50	DSE-B-PR2/TU2	2/1	50
	DSE-C-PR1/TU1	2/1	50	DSE-C-PR2/TU2	2/1	50
ABILITY ENH. COURSE	SEC-C	2	50	SEC-D	2	50
TOTAL		20	350		20	350

Distribution of Courses (Arts Pass)

First Year

SEMESTER & SUBJECT	SEMESTER-I			SEMESTER-II		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE	ENG-TH1	5	50	MIL-TH1	5	50
	DSC-A-TH1	4/5	50	DSC-A-TH2	4/5	50
	DSC-B-TH1	4/5	50	DSC-B-TH2	4/5	50
	ENG-TU1	1	50	MIL-TU1	1	50
	DSC-A-PR1/TU1	2/1	50	DSC-A-PR2/TU2	2/1	50
	DSC-B-PR1/TU1	2/1	50	DSC-B-PR2/TU2	2/1	50
ELECTIVE COURSES						
ABILITY ENH. COURSE	ENV. ST.	2	50	COMMUNICATIVE ENGLISH/MIL	2	50
TOTAL		20	350		20	350

Distribution of Courses (Arts Pass)

Second Year

SEMESTER & SUBJECT	SEMESTER-III			SEMESTER-IV		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE	ENG-TH2	5	50	MIL-TH2	5	50
	DSC-A-TH3	4/5	50	DSC-A-TH4	4/5	50
	DSC-B-TH3	4/5	50	DSC-B-TH4	4/5	50
	ENG-TU2	1	50	MIL-TU2	1	50
	DSC-A-PR3/TU3	2/1	50	DSC-A-PR4/TU4	2/1	50
	DSC-B-PR3/TU3	2/1	50	DSC-B-PR4/TU4	2/1	50
ELECTIVE COURSES						
ABILITY ENH. COURSE	SEC-A	2	50	SEC-B	2	50
TOTAL		20	350		20	350

Distribution of Courses (Arts Pass) Final Year

SEMESTER & SUBJECT	SEMESTER-V			SEMESTER-VI		
	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>	<i>Paper</i>	<i>Cd.</i>	<i>Mk.</i>
DISCIPLINE SPECIFIC CORE						
ELECTIVE COURSES	DSE-A-TH1	4/5	50	DSE-A-TH2	4/5	50
	DSE-B-TH1	4/5	50	DSE-B-TH2	4/5	50
	GE-A-TH1	4/5	50	GE-A-TH2	4/5	50
	DSE-A-PR1/TU1	2/1	50	DSE-A-PR2/TU2	2/1	50
	DSE-B-PR1/TU1	2/1	50	DSE-B-PR2/TU2	2/1	50
	GE-A-PR1/TU1	2/1	50	GE-A-PR2/TU2	2/1	50
ABILITY ENH. COURSE	SEC-C	2	50	SEC-D	2	50
TOTAL		20	350		20	350

Evaluation of Performance

- ✓ Performance in terms of marks obtained by a candidate in a course work converted in to Grade Point and Letter Grades as per the given table.

<i>Percentage of Mark</i>	<i>Grade Point</i>	<i>Letter Grade</i>	<i>Explanatory</i>
90-100	10	O	Outstanding
80-89	9	E	Excellent
70-79	8	A	Very Good
60-69	7	B	Good
50-59	6	C	Fair
40-49	5	D	Average
33-39	4	P	Pass
Below 33 or Absent	0	F	Fail

Evaluation of Performance

- ✓ The Semester Grade Point Average (SGPA) is calculated by the following formula

$$SGPA(S_k) = \frac{\sum_{i=1}^n (C_i \times G_i)}{\sum_{i=1}^n C_i} = \frac{\text{Sum of Credit Point}}{\text{Credit Index}}$$

Where, “k” is the number of semester (numeric) i.e. 1 to 6

“i” is the 1st course item of the kth semester

“n” is the total number of course item in the kth semester

“C” is the numeric credit of the course defined in the syllabus

“G” is the numeric Grade point secured by the candidate

Evaluation of Performance

✓ Example of Calculation of SGPA

Marks obtained by examinee in 1st Semester

Course	Cr. (C)	Mark	GP (G)	Grd.
DSC-TH1	4	34	7	B
DSC-TH2	4	36	8	A
DSC-PR1	2	44	9	E
DSC-PR2	2	46	10	O
GE- TH1	4	37	8	A
GE- PR1	2	42	9	E
ENV	2	33	7	B

$$SGPA(S_k) = \frac{\sum_{i=1}^n (C_i \times G_i)}{\sum_{i=1}^n C_i} = \frac{\text{Sum of Credit Point}}{\text{Credit Index}}$$

$$SGPA = \frac{(C_1 \times G_1) + (C_2 \times G_2) + \dots + (C_7 \times G_7)}{G_1 + G_2 + \dots + G_7}$$

$$SGPA = \frac{(4 \times 7) + (4 \times 8) + (2 \times 9) + \dots + (2 \times 7)}{4 + 4 + 2 + \dots + 2}$$

$$SGPA = \frac{162}{20} = 8.10$$

Evaluation of Performance

- ✓ The Cumulative Grade Point Average (CGPA) is calculated by the following formula

$$CGPA = \frac{\sum_{k=1}^m (C_k \times S_k)}{\sum_{k=1}^m C_k}$$

Where, “*k*” is the number of semester (numeric) i.e. 1 to 6

“*m*” is the number of semester up to which CGPA is calculated

“*C*” is the total numeric credit of *kth* semester

“*S*” is the SGPA of *kth* Semester

Evaluation of Performance

✓ Example of Calculation of CGPA

SGPA obtained by examinee from 1st Sem. To 6th Sem.

Course	Cr. (C)	SGPA (S)
Sem-1	20	8.10
Sem-2	20	7.10
Sem-3	26	8.40
Sem-4	26	7.80
Sem-5	24	8.20
Sem-6	24	7.60

$$CGPA = \frac{\sum_{k=1}^m (C_k \times S_k)}{\sum_{k=1}^m C_k}$$

$$CGPA = \frac{(C_1 \times S_1) + (C_2 \times S_2) + \dots + (C_6 \times S_6)}{C_1 + C_2 + \dots + C_6}$$

$$CGPA = \frac{(20 \times 8.10) + (20 \times 7.10) + \dots + (24 \times 7.60)}{20 + 20 + 26 + 26 + 24 + 24}$$

$$CGPA = \frac{1112.40}{140} = 7.95$$

Evaluation of Performance

✓ Conversion of CGPA to Letter Grade & Classification

CGPA	Letter Grade	Classification (Honours)	Classification (Pass)
9.50 - 10.00	O	First Class Honours	Pass
8.50 - 9.49	E		
7.50 - 8.49	A		
6.50 - 7.49	B		
5.00 - 6.49	C	Second Class Honours	
4.00 - 4.99	D	Pass without Honours	
Below 4.0	F	Fail	Fail

✓ Example: CGPA: 7.95 (First Class Honours & Grade-A)

Evaluation of Performance

Conversion of CGPA to Percentage of Marks & Criteria for Distinction

- ✓ The CGPA is converted into Percentage of Marks by the following formula

Percentage of Marks: $(\text{CGPA} - 0.5) \times 10$

Example: $(7.95 - 0.5) \times 10 = 7.45 \times 10 = 74.5$

- ✓ The criteria for distinction is
 - Minimum B grade i.e. 6.5 or more in CGPA
 - Minimum B grade in each paper component
 - Passed in 1st instance without back or improvement