गुरू घासीदास विश्वविद्यालय (केदीय विश्वविद्यालय अधिन्यम 2009 ज्ञ. 25 के अंतर्गत खामित केदीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009) Koni, Bilaspur – 495009 (C.G.)

# List of Courses Focus on Employability/ Entrepreneurship/ Skill Development

Depar	rtment	: Economics
Progr	amme Name	: B.A. Ist & IInd and IIIrd & IVth
		Academic Year : <mark>2019-20</mark>
List of	Courses Focus	on Employability/ Entrepreneurship/Skill Development
Sr. No.	Course Code	Name of the Course
01.	SS/EC/C-102	Mathematical Method for Economics -I
02.	SS/EC/C-204	Mathematical Method for Economics -II
03.	SS/EC/C-306	Statistical Methods for Economics
04.	SS/EC/C-(SEC-1)	Data Analysis
05.	SS/EC/C-410	Introductory Econometrics

गुरू घासीदास विश्वविद्यालय (केन्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009) Koni, Bilaspur – 495009 (C.G.)

# **Scheme and Syllabus**

Core-1     SS/EC/C-101     Introductory Microcenomics Economics     5     5       Core -1 Tutorial     SS/EC/C-T-101     Tutorial-1 based on Core-1     1     1       Core -2     SS/EC/C-T-102     Mathematical Methods for Economics-1     5     5       Core -2     SS/EC/C-T-102     Tutorial-2 based on Core-2     1     1       Generic Elective (GED)-1     SS/EC/GE-T-101/C     From pool of Generic elective course (Intervalues) fluxes (Core-2)     1     1       Ability     SS/EC/GE-T-101/PS     Tutorial-1 based on Generic elective-1     1     1       Ability     SS/EC/AE-101/PC     Environmental Science     4     4       Course (AECC)     SS/EC/ECA-101     ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/Yoga     2     (2)       SS/EC/C-203     Introductory Macroeconomics     5     5       Core-3     SS/EC/C-203     Introductory Macroeconomics     5     5       Core-4     SS/EC/C-204     Mathematical Methods for Economics-1     5     5       Core-4     SS/EC/C-204     Tutorial-1 based on Core-3     1     1	Core-1     SS/EC/C-101     Introductory     3     3       Core-1     Tutorial-1     SS/EC/C-102     Foreomics-1     1     1       Core-2     SS/EC/C-102     Foreomics-1     5     5     5       Core-2     SS/EC/C-102     Foreomics-1     5     5     5       Core-2     Core-2     Tutorial-2 based on Core-2     1     1       Core-2     SS/EC/C-101/PS     Form pool of Coency clocutory     5     5       Core-3     SS/EC/C-101/PS     Elective-1     1     1       Ability     SS/EC/C-A-101/PS     Elective-1     1     1       Ability     SS/EC/C-A-101/PS     Elective-1     2     (2)       SWEC/C-203     Materoaconomics     5     5     5       Core-3     SS/EC/C-203     Materoaconomics -3     1     1       Core-4     SS/EC/C-1-203     Materoaconomics -5     5     5       Core-4     SS/EC/C-204     Materoaconomics -1     1     1       Core-4     SS/EC/C-1-203     Materoaconomics -1		ter C	ourse Opted	Course Code	n's): Subject: -Economic	Credit	Hour / weak
Core -1     Microeconomics Economics       Core -1     Tutorial     SS/EC/C-T-101     Tutorial-1     based on Core-1     1     1       Core -2     SS/EC/C-T-102     Tutorial-1     based on Core-2     1     1       Generic Elective (GED)-1     SS/EC/CE-10/2     Tutorial-2 based on Core-2     1     1       Generic Elective (GED)-1     SS/EC/GE-T-101/C     From pool of Generic elective courses (Tachrød-ucor) fUxoc (core)     5     5       Generic Elective - Tutorial     SS/EC/GE-T-101/PS     Tutorial-1 based on Generic Elective-1     1     1       Ability Enhancement Course (AECC)     SS/EC/AE-101/PC     Environmental Science     4     4       Course (AECC)     SS/EC/CECA-101     ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/Yoga     2     (2)       Core-3     SS/EC/C-203     Introductory Macroeconomics     5     5       Core -4     SS/EC/C-7-203     Tutorial-3 based on Core-3     1     1       Core -3     SS/EC/C-7-203     Tutorial-3 based on Core-3     1     1       Core -4     SS/EC/C-7-203     Tutorial-3 based on Core-3     1 </th <th>Image: System of the system of the</th> <th></th> <th></th> <th></th> <th></th> <th>Introductory</th> <th>5</th> <th>5</th>	Image: System of the					Introductory	5	5
Core -1   Tutorial   SS/EC/C-1-101   Tutorial-1 based on Core-1   1     Core -2   SS/EC/C-102   Mathematical Methods for Economics-1   5   5     Core -2   SS/EC/C-1-102   Tutorial-2 based on Core-2   1   1     Generic Elective (GEI)-1   SS/EC/GE-101/C   From pool of Generic elective courses (Tutorial-1 based on Generic Elective-1   5   5     Generic Elective Compulsory Course (AECC)   SS/EC/AE-101/PC   Environmental Science   4   4     ECA   SS/EC/C-A-101   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial service/ others   2   (2)     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-4   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-4   SS/EC/C-204   Introductory Macroeconomics   5   5     Core-4   SS/EC/C-204   Tutorial-3 based on Core-3   1   1     Core-4   SS/EC/C-204   Economics-1   5   5   5     Core-4   SS/EC/C-204   Economics-1   1   1   1     Core-4   SS/EC/C-204   Economics-1   1	Core-1     Strep C-1-101     Humithematical Methods for     1     1       Core-2     Strep C-102     Tatorial-2 based on Core-2     1     1       Core-2     Tatorial-Strep C-102     Tatorial-2 based on Core-2     1     1       Core-2     Tatorial-2 based on Core-2     1     1     1       Core-4     Strep C-101/P     Tatorial-1 based on Generic     1     1       Ability     Strep C-2-101/P     Tatorial-1 based on Generic     1     1       Ability     Strep C-2-101/P     Tatorial-1 based on Generic     1     1       Ability     Strep C-2-101/P     Eavironmental Science     4     4       Compulsory     Strep C-2-203     Mathematical Methods for     5     5       Core-3     Tatorial     Strep C-2-203     Mathematical Methods for     5     5       Core-4     Strep C-2-203     Mathematical Methods for     5     5     5       Core-4     Strep C-2-203     Tatorial-4 based on Core-3     1     1       Core-4     Strep C-2-203     Tatorial-4 based on Core-3     1				00/00/07 101			1
Core -2 Economics-I 5 5   Core -2 Tutorial SS/EC/C-T-102 Tutorial-2 based on Core-2 1 1   Generic Elective (GED)-1 SS/EC/GE-T-101/PS From pool of Generic elective courses (Tutorial-1 based on Generic Elective-1 1 1   Ability Enhancement Compulsory Course (AECC) SS/EC/AE-101/PC Environmental Science 4 4   ECA SS/EC/AE-101/PC Environmental Science 4 4   Core-3 SS/EC/AE-101/PC Environmental Science 4 4   Course (AECC) SS/EC/ECA-101 ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/Yoga/ Swachhar/sports/ community service/ others 2 (2)   Core-3 SS/EC/C-203 Introductory Macroeconomics 5 5   Core -4 SS/EC/C-7-203 Introductory Macroeconomics 5 5   Core -4 SS/EC/C-7-204 Tutorial-3 based on Core-3 1 1   Core -4 SS/EC/C-7-204 Tutorial-3 based on Core-3 1 1   Core -4 SS/EC/C-7-204 Tutorial-2 based on Core-4 1 1   Core -4 SS/EC/C-7-204 Tutorial-2 based on Core-3 1 1   Core -4 SS/EC/C-202/PS From pool of Generic elective courses(1 ++	Core -2     Economics-I     5     5       Core -2     Tutorial     SS/EC/CE-101/C     From pool of Generic Elective corress (LaMarchelles) PULVED     5       Generic Elective     SS/EC/CE-101/C     From pool of Generic Elective (El)-1     1       Generic Elective     SS/EC/CE-101/C     From pool of Generic Elective (Course (AECC)     5       Compulsory     SS/EC/CAE-101/EC     Environmental Science     4     4       Compulsory     SS/EC/CE-A-101     ECA-Estracurricular activity/Educational Tour/ Field visil Industrial     2     (2)       SS/EC/C-1203     Introductory     5     5       Core -3     Tutorial     SS/EC/C-203     Matercoconomics     5       Core -4     SS/EC/C-1203     Introductory     5     5       Core -4     SS/EC/C-204     Mathematical Methods for     5     5       Core -4     SS/EC/C-203     Introductory     5     5       Core -4     SS/EC/C-203     Prom pool of Generic Elective -     1       Core -4     SS/EC/CE-1-202/PS     From pool of Generic Elective -     5     5       Generic Electiv		1C	ore -1 Tutorial			- 1	
Image: Construction of the second	Image: Second state of the second state of		UEC	Core -2	33/20/0-102		5	5
I   Generic Elective - Tutorial   SS/EC/GE-T-101/PS SS/EC/AE-101/EC   Tutorial-1 based on Generic Elective-1   1     Ability Enhancement Compulsory   SS/EC/AE-101/EC   Environmental Science   4   4     Course (AECC)   SS/EC/CECA-101   ECA-Extracurricular activity/Educational Tour/ Field visit/Industrial training/NSS//Yoga/ Swachhta/ sports/ community service/ others   2   (2)     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-4   SS/EC/C-204   Mathematical Methods for Economics-II   5   5     Core -4   SS/EC/C-204   Mathematical Methods for Economics-II   5   5     Generic Elective (GEI- B)-2   SS/EC/GE-T-202/PS   From pool of Generic elective courses ("D-to-to-to-to-") Mpube(to-o)   5   5     B)-2   SS/EC/GE-T-202/PS   English Communication/ MIL (Hindi Communication)   4   4     ECA   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4	Image: stress of the second		0	Core -2 Tutorial	· SS/EC/C-T-102		1	1
Image: Solution of the second seco	Image: Systematic lective in the systematic lec				SS/EC/GE-101/C	From pool of Generic elective courses (Introductory Merro Co	une) 5	5
I   Ability Enhancement Compulsory Course (AECC)   SS/EC/AE-101/EC Environmental Science   4   4     ECA   SS/EC/ECA-101 *   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/Yoga/ Swachtta/ sports/ community service/ others   2   (2)     ECA   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core -3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core -4   SS/EC/C-204   Mathematical Methods for Economics-II   5   5     Core -4   SS/EC/C - T-204   Tutorial-3 based on Core-4   1   1     Core -4   SS/EC/C - T-204   Tutorial-4 based on Core-4   1   1     Generic Elective (GEI- B)-2   SS/EC/GE-202/PS   From pool of Generic elective courses (1-4-etc) - mound for elect)   1	1   Ability Enhancement Compulsory Course (AECC)   Environmental Science   4   4     2   Compulsory Course (AECC)   SS/EC/ECA-101   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/Voga/ Swachtha/ sports/ community service/ others   2   (2)     2   SS/EC/C-203   Introductory TOTAL   24   24     2   SS/EC/C-203   Introductory Macroeconomics   5   5     2   Core-3   SS/EC/C-203   Tutorial-3 based on Core-3   1   1     2   Core -4   SS/EC/C-204   Mathematical Methods for Economics-II   5   5     2   Core -4   SS/EC/C-204   Tutorial-4 based on Core-4   1   1     3   SS/EC/C-T-204   Tutorial-4 based on Core-4   1   1     3   SS/EC/C-T-202/PS   From pool of Generic elective courses (1-4-ord-4-7)   5   5     3   Generic Elective -   SS/EC/GE-T-202/PS   Tutorial-2 based on Generic courses (1-4-ord-4-7)   1     4   Ability Enhancement Compulsory Course   SS/EC/AE-201/ES   English Communication/MIL (Hindi Communication)   4   4     4   Compulsory Course   ECA-Extracurricular activit		(	Generic Elective	SS/EC/GE-T-101/PS	Tutorial-1 based on Generic	T	1
Compulsory Course (AECC)   SS/EC/ECA-101   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/YOga/ Swachita/ sports/ community service/ others   2   (2)     ECA   SS/EC/C-203   Introductory Macroeconomics   2   (2)     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core -3 Tutorial   SS/EC/C-204   Mathematical Methods for Economics-II   5   5     Core -4   SS/EC/C-204   Mathematical Methods for Economics-II   5   5     Core -4 Tutorial   SS/EC/C-1-202   Tutorial-3 based on Core-3   1   1     Core -4 Tutorial   SS/EC/C-1-202   Tutorial-4 based on Core-4   1   1     Core -4 Tutorial   SS/EC/GE-202/PS   From pool of Generic elective courses (1-4-4-4-7-7) Methods for Elective-2   5   5     II   Tutorial-   SS/EC/GE-7-202/PS   Tutorial-2 based on Generic Elective-2   1   1     II   Tutorial   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial ratining/NSS/yoga/Swachhta/ sports/ community service/   2   (1	Compulsory Course (AECC)   SS/EC/ECA-101   ECA-Extracurricular activity/Educational Tour/ Field visit Industrial   2   (2)     ECA   SS/EC/C-203   Introductory ToTAL   24   24     Image: Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-3   Tutorial   SS/EC/C-7-203   Tutorial-3 based on Core-3   1     Core-4   SS/EC/C-204   Mathematical Methods for Economics-BI   5   5     Core-4   SS/EC/C-204   Tutorial-3 based on Core-4   1   1     Core-4   SS/EC/C-202/PS   From pool of Generic elective courses(1-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4	I		and the second se	SS/EC/AE-101/EC	Licenve-i		
ECASS/EC/ECA-101ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/YOga/ Swachtta/ sports/ community service/ others2(2)Core-3SS/EC/C-203Introductory Macroeconomics22Core-3SS/EC/C-203Introductory Macroeconomics55Core -3 TutorialSS/EC/C-204Mathematical Methods for Economics-II55Core -4SS/EC/C-204Mathematical Methods for Economics-II55Core -4SS/EC/C-204Tutorial-3 based on Core-311Generic Elective (GEI- B)-2SS/EC/GE-202/PSForm sool of Generic elective courses (T-4-weber-ry Methods for Elective-255IITutorialSS/EC/GE-7-202/PSTutorial-2 based on Generic Elective-211IITutorialSS/EC/GE-T-202/PSFutorial-2 based on Generic Elective-211IIElective - SS/EC/AE-201/ESEnglish Communication/ MIL (Hindi Communication)44ECAECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachthal/ sports/ community service/2(	ECA   SS/EC/ECA-101   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/Yoga/ Swachhta/ sports/ community service/ others   2   (2)     Core-3   SS/EC/C-203   Introductory macrosconomics   5   5     Core-3   Tutorial   SS/EC/C-203   Introductory macrosconomics   5   5     Core-3   Tutorial   SS/EC/C-203   Introductory macrosconomics   5   5     Core-4   SS/EC/C-204   Economics-II   5   5     Core-4   SS/EC/C-204   Tutorial-3 based on Core-3   1   1     Core-4   SS/EC/C-204   Tutorial-4 based on Core-3   1   1     Core-4   Tutorial   SS/EC/GE-202/PS   Form pool of Generic elective courses (3-1 mode on Generic elective course			Compulsory		Environmental Science	4	4
ECA   Field visit/ Industrial training/NSS//Yoga/ Swachtar/sports/ community service/ others   2   (2)     Core-3   SS/EC/C-203   Introductory Macroeconomics   2   (2)     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core -3   Tutorial   SS/EC/C-204   Introductory Macroeconomics   5   5     Core -4   SS/EC/C-204   Mathematical Methods for Economics-II   5   5     Core -4   SS/EC/C-204   Tutorial-4 based on Core-3   1   1     Core -4   SS/EC/C - T-204   Tutorial-4 based on Core-4   1   1     Generic Elective (GEI-BS/EC/GE-202/PS   From pool of Generic elective courses (T-Arrow Meuce core)   5   5     B)-2   SS/EC/GE-T-202/PS   Tutorial-2 based on Generic   1   1     II   Tutorial   SS/EC/GE-T-202/PS   Elective-2   1   1     Ability Enhancement Computsory Course   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     ECA   ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial sports/ community service/   2   (Constraconomicular activity/Educational Tour/ Field visit/ Industrial spor	ECA   Field visit/ Industrial training/NSS/Yoga/ service/ others   2   (2)     Image: Core-3   SS/EC/C-203   Introductory Macroeconomics   2   (2)     Image: Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-3   Tutorial   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-4   SS/EC/C-203   Introductory Macroeconomics-II   5   5     Core-4   SS/EC/C-204   Economics-II   5   5     Core-4   SS/EC/C-204   Tutorial-4 based on Core-4   1   1     Generic Elective (GEL 02)   SS/EC/GE-202/PS   From pool of Generic elective courses(1-1-rutorial-4 based on Generic   1   1     Ability Enhancement (AECC)   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     SUMMER Internship: 15 days (Optional)   Swayam Swachhta / NSS / Industrial   2   (2)		-	Course (AECC)	SS/EC/ECA-101			
ECA   training/NSS/Yoga/ Swachhta/ sports/ community service/ others   2   (2)     TOTAL   24   24     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core -3   Tutorial   SS/EC/C-203   Tutorial-3 based on Core-3   1   1     Core -4   SS/EC/C-204   Mathematical Methods for Economics-II   5   5     Core -4   SS/EC/C-204   Tutorial-4 based on Core-3   1   1     Core -4   SS/EC/C - T-204   Tutorial-4 based on Core-4   1   1     Core -4   SS/EC/C - T-204   Tutorial-4 based on Core-4   1   1     Generic Elective (GEI- B)-2   SS/EC/GE-202/PS   From pool of Generic elective courses (T+T+W+f+T) Meuo (T+T)   5   5     B)-2   SS/EC/GE-T-202/PS   Tutorial-2 based on Generic Elective-2   1   1     H   Ability Enhancement Compulsory Course (AECC)   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   2     ECA   ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/   2   (T	ECA   training/NSS/Yoga/ Swachhta/ sports/ community swachta/sports/ community swachta/sports/ community   2   (c)     TOTAL   24   24     Core-3   SS/EC/C-203   Introductory Macroeconomics   5   5     Core-3   SS/EC/C-203   Tutorial-3 based on Core-3   1   1     Core-4   SS/EC/C-204   Economics   5   5     Core-4   Tutorial-3   SS/EC/GE-1202/PS   From pool of Generic elective courses (1-1 content - 1 product composition)   5     B)-2   SS/EC/GE-T-202/PS   English Communication/ MIL (Hindi Communication)   4   4     Ability Enhancement Compulsory Course   SS/EC/AE-201/ES   English Communication/ MIL (Hindi SSS/yoga/ Swachhta/ sports/ community service/ others   2   (2)     SUMMER Internship: 15 days (Optional)   Swayam Swachhta / NSS / Industrial others   2   2				*			
Core-3     Ss/EC/C-203     Introductory Macroeconomics     5     5       Core-3     SS/EC/C-203     Introductory Macroeconomics     5     5       Core-3     SS/EC/C-203     Tutorial-3 based on Core-3     1     1       Core -3     Tutorial     SS/EC/C-204     Mathematical Methods for Economics-II     5     5       Core -4     SS/EC/C - T-204     Tutorial-4 based on Core-4     1     1       Core -4     SS/EC/C - T-204     Tutorial-4 based on Core-4     1     1       Generic Elective (GEI- B)-2     SS/EC/GE-202/PS     From pool of Generic elective courses(1 + from from Dout of Generic elective courses(1 + from from Dout of Generic Elective-2     1     1       II     Tutorial-2 based on Generic Hittig     5     5     5       B)-2     SS/EC/GE-T-202/PS     Tutorial-2 based on Generic Elective-2     1     1       II     Tutorial     SS/EC/AE-201/ES     English Communication/ MIL (Hindi Communication)     4     4       ECA     ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial sports/ community service/     2     (	Image: System of the service of others     System of the service of others     24     24       Image: System of the service of others     TOTAL     24     24       Image: System of the service of others     System of the service others     1     1       Image: System of the service of others     System of the service others     1     1       Image: System of the service other others     System of the service others     1     1       Image: System of the service other others     System others     1     1       Image: System other others     System others     1     1       Image: System other			ECA			2	(2)
Core-3SS/EC/C-203Introductory Macroeconomics55Core -3TutorialSS/EC/C-T-203Tutorial-3 based on Core-311Core -4SS/EC/C-204Mathematical Methods for Economics-II55Core -4SS/EC/C - T-204Tutorial-4 based on Core-411Core -4SS/EC/C - T-204Tutorial-4 based on Core-411Generic Elective (GEI- B)-2SS/EC/GE-202/PSFrom pool of Generic elective courses (T-F-Method Sond)55Generic Elective - Tutorial-2 based on Generic111TutorialSS/EC/GE-T-202/PSFutorial-2 based on Generic Elective-211IIAbility Enhancement (AECC)SS/EC/AE-201/ESEnglish Communication/ MIL (Hindi Communication)44ECAECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/2(	TOTAL 24 24   Core-3 SS/EC/C-203 Introductory Macroeconomics 5 5   Core -3 Tutorial SS/EC/C-203 Tutorial-3 based on Core-3 1 1   Core -4 SS/EC/C-204 Mathematical Methods for Economics-II 5 5   Core -4 Tutorial SS/EC/C-1-203 Tutorial-10 based on Core-4 1 1   Core -4 Tutorial SS/EC/C-1-204 From pool of Generic elective courses (1-1-40-4-4-1) 1   Generic Elective (GEI- B)-2 SS/EC/GE-T-202/PS From pool of Generic elective courses (1-1-40-4-4-1) 1   Ability Enhancement Compulsory Course SS/EC/GE-T-202/PS English Communication/ MIL (Hindi Communication/ MIL (AECC) 4 4   ECA ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/ others 2 (2)   SUMMER Internship: 15 Swayam Swachhta / NSS / Industrial/ others 2 2					Swachhta/ sports/ community		
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Core -3 Tutorial   SS/EC/C-1-203   Tutorial-3 based of theods for Economics-II   S     Core -4   SS/EC/C-204   Mathematical Methods for Economics-II   S   S     Core -4   SS/EC/C - T-204   Tutorial-4 based on Core-4   1   1     Generic Elective (GEI- B)-2   SS/EC/GE-202/PS   From pool of Generic elective courses (1-from for Methods for Elective-2   5   5     II   Tutorial   SS/EC/GE-7-202/PS   Tutorial-2 based on Generic Elective-2   1   1     Ability Enhancement Compulsory Course (AECC)   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/   2   (	Core -3 Tutorial   SS/EC/C-1-203   Tutorial-section of the thodes for the consistence of the thodes for the consistence of the thodes for the consistence of the constraint of the constence of the constraint of the constraint of		Core-3		55/LC/C-205	Macroeconomics	2	
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Core -4 Tutorial   SS/EC/C - T-204   Tutorial-4 based on Core-4   1   1     Generic Elective (GEI- B)-2   SS/EC/GE-202/PS   From pool of Generic elective courses (1-true for Method and for formation)   5   5     III   Generic Elective - Tutorial   SS/EC/GE-T-202/PS   Tutorial-2 based on Generic Elective-2   1   1     III   Mathod and formation   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/   2   (Generic formation)   2   (Generic formation)   2	Core -4 Tutorial   SS/EC/C - T-204   Tutorial-4 based on Core-4   1   1     Generic Elective (GEI- B)-2   SS/EC/GE-202/PS   From pool of Generic elective courses (1-f-rut-from Method and point)   5   5     II   Generic Elective - Tutorial   SS/EC/GE-T-202/PS   Tutorial-2 based on Generic Elective-2   1   1     Ability Enhancement Compulsory Course (AECC)   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/ others   24   24     SUMMER Internship: 15 days (Optional)   Swayam Swachhta / NSS / Industrial/ others   2	Et	Core -4		SS/EC/C-204		5	5
Generic Elective (GEI- B)-2   SS/EC/GE-202/PS   From pool of Generic elective courses ("Liftware" Maurice") 5   5     Generic Elective - Tutorial   SS/EC/GE-T-202/PS   Tutorial-2 based on Generic   1   1     Ability Enhancement Compulsory Course   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachta/ sports/ community service/   2   (Generic Elective-2)	Generic Elective (GEI- B)-2   SS/EC/GE-202/PS   From pool of Generic elective courses (1-from power and power		Core -4	Tutorial		Tutorial-4 based on Core-4	1	1
II   Generic Elective - Tutorial   SS/EC/GE-T-202/PS   Tutorial-2 based on Generic   1   1     Ability Enhancement Compulsory Course (AECC)   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/   2   (C	II   Generic Elective - Tutorial   SS/EC/GE-T-202/PS   Tutorial-2 based on Generic Elective-2   1   1     Ability Enhancement Compulsory Course (AECC)   SS/EC/AE-201/ES   English Communication/ MIL (Hindi Communication)   4   4     ECA   ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/ others   2   (2)     SUMMER Internship: 15 days (Optional)   Swayam Swachhta / NSS / Industrial/ others   2		Generic	Elective (GEI-	SS/EC/GE-202/PS	courses ( Introductory Mourot	(me) 5	5
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ECA-Extracurricular activity/Educational Tour/ Field visit/ Industrial 2 ( training/NSS/yoga/ Swachta/ sports/ community service/	ECA   ECA-Extracurricular activity/Educational Tour/   2   (2)     Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/ others   2   (2)     SUMMER Internship: 15 days (Optional)   Swayam Swachhta / NSS / Industrial/ others   2   2     2   2   2   2   2	**	Ability Compul	Enhancement sory Course	SS/EC/AE-201/ES		4	4
ECA Field visit/ Industrial 2 ( training/NSS/yoga/ Swachhta/ sports/ community service/	ECA Field visit/ Industrial training/NSS/yoga/ Swachhta/ sports/ community service/ others 2 (2)   SUMMER Internship: 15 days (Optional) Swayam Swachhta / NSS / Industrial/ others 2 2		(ALCC)					
ECA training/NSS/yoga/ Swachhta/ sports/ community service/	ECA training/NSS/yoga/ Swachhta/ sports/ community service/ others 2 (c)   SUMMER Internship: 15 days (Optional) Swayam Swachhta / NSS / Industrial/ others 2					Field visit/ Industrial	2	(2)
	others 24 24   SUMMER Internship: 15 Swayam Swachhta / NSS / Industrial/ others 2		ECA			training/NSS/yoga/ Swachhta/	2	(2)
others	Total 24 24   SUMMER Internship: 15 days (Optional) Swayam Swachhta / NSS / Industrial/ others 2					sports/ community service/		
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	days (Optional) Swayam Swachita / NSS / Industrial offices					- COM		
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days (Optional)		days	(Option	al)				
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Courses Focus on Employability/Entrepreneurship/Skill Development

Criteria – I (1.1.3)

# गुरू घासीदास विश्वविद्यालय (केन्नीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009) Koni, Bilaspur - 495009 (C.G.)

## SEMESTER I

B.A. (Hons.) Economics, Semester-I, Core-2 Course: Mathematical Methods in Economics-1 Course Code: SS/EC/C-102 Course Credit: (5+1)

#### MATHEMATICAL METHODS IN ECONOMICS-I

#### **Course Description**

Course Description This is the first of a compulsory two-course sequence. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometries set out in this syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

Course Outline

#### Unit: 1

Variables, constants and parameters; Equations and Identities; the real number system; sets and set operations;

#### Unit: 2

Relations and functions; types of functions: constant & polynomial functions; sequences and series: arithmetic & geometric progression and their use in economics.

#### Unit: 3

The derivative and the slope of a curve; process of differentiation; condition of maxima and minima of a function; Application of differentiation in economics-elasticity of demand, cost and revenues, conditions for profit maximization in simple market problems.

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#### Unit: 4 Integration of a function- Simple concepts, Consumer and Producer's surplus.

Readings:

K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, Latest edition.

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Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009) Koni, Bilaspur – 495009 (C.G.)

## SEMESTER II

B.A. (Hons.) Economics, Semester-II, Core-4 Course: Mathematical Methods in Economics-II Course Code: SS/EC/C-204 Course Credit: (5+1)

## MATHEMATICAL METHODS IN ECONOMICS - II

## Course Description

This course is the second part of a compulsory two-course sequence. This part is to be taught in Semester II following the first part in Semester I. The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level, specifically the courses on microeconomic theory, macroeconomic theory, statistics and econometrics set out in this Syllabus. In this course, particular economic models are not the ends, but the means for illustrating the method of applying mathematical techniques to economic theory in general. The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook.

#### Course Outline

#### Unit: 1

Linear Programming: Graphical solution and its application in economics, Duality

#### Unit: 2

Matrix: various types, addition and subtraction, multiplication of matrix.

#### Init. 3

Determinants, singular matrix, inverse of a matrix, solution of simultaneous equations through crammer's rule

#### Unit: 4

Game theory-simple and mixed strategy, saddle point solution, prisoner's dilemma

#### Readings:

K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, Latest edition.

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	Core-5	Intermediate Microeconomics-I	5	5
	Core -5 Tutorial	Tutorial-5 based on Core-5	1	1
	Core -6	Intermediate Macroeconomics-I	5	5
	Core -6 Tutorial	Tutorial-6 based on Core-6	1	1
	Core - 7	Statistical Methods for Economics	5	5
	Core – 7 Tutorial	Tutorial-7 based on Core-7	1	1
	Generic Elective (GEII-A)-1	From pool of Generic elective courses (Money &	5	5
	Generic Elective - Tutorial	Tutorial-3 based on Generic Elective-3	1	1
	Skill Enhancement Course (SEC -1)	From pool of Skill Enhancement Course (SEC -1)	4	4
		Total (Data Analysis	28	28
	0			
	Core-8	Intermediate Microeconomics-II	5	5
	Core -8 Tutorial	Tutorial-8 based on Core-8	1	1
	Core -9	Intermediate Macroeconomics-II	5	5
	Core -9 Tutorial	Tutorial-9 based on Dore-9	1	1
	C. 10	Introductory Econometrics	5	5
IV	Core - 10	Ratioductory Economic ties		
IV	Core – 10 Tutorial	Tutorial-10 based on Core-10	1	1
IV	Core – 10 Tutorial Generic Elective (GEII-B)-2	Tutorial-10 based on Core-10	1 5	1 5
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SEMESTER III B.A. (Hon's) Economics, Semester III, Core-7 Course: Statistical Methods for Economics Course Code: SS/EC/C-307 Course Credit: (5+1)

#### STATISTICAL METHODS FOR ECONOMICS

#### **Course Description**

This is a course on statistical methods for economics. It begins with some basic concepts and terminology that are fundamental to statistical analysis and inference. It then develops the notion of probability, followed by probability distributions of discrete and continuous random variables and of joint distributions. This is followed by a discussion on sampling techniques used to collect survey data. The course introduces the notion of sampling distributions that act as a bridge between probability theory and statistical inference. The semester concludes with some topics in statistical inference that include point and interval estimation.

#### **Course Outline**

#### Unit I:

Introduction to Statistics Basic concepts: Population, Sample, Parameter, Statistic, primary and secondary data, Techniques of data collection; Questionnaire, schedule.

#### Unit II:

Central Tendency: Measures of central tendency; Mean, Median, Mode,

#### Unit III:

Measures of dispersion; Range, Quartile deviation. Mean Deviation, Standard deviation, Coefficient of variation

#### Unit IV:

Correlation; Simple, Coefficient of correlation — Karl Pearson, Calculation of Correlation coefficient in a bivariate frequency distribution, Spearman's Rank Correlation,

#### **Readings:**

- 1. Jay L. Devore, Probability and Statistics for Engineers, Cengage Learning, 2010.
- 2. John E. Freund, Mathematical Statistics, Prentice Hall, 1992
- 3. Richard J. Larsen and Morris L. Marx, An Introduction to Mathematical Statistics

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- and its Applications. Prentice Hall, 2011.
- 4. William G. Cochran, Sampling Techniques. John Wiley, 2007.

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### Skill Enhancement Course (SEC-I)

SEMESTER III B.A. (Hon's) Economics, Semester III, Skill Enhancement Course (SEC-I) Course: Data Analysis Course Code: SS/EC/C-(SEC-1) Course Credit: 4

#### Data Analysis

#### Unit 1

Importance of Statistics in Economics, Collection of data Primary and Secondary Sources of Data, Collection of Primary Data- Interview and Observation Method

## Unit 2

Types of Sampling-Random Sampling, Purposive or Deliberate Sampling, Stratified or Mixed Sampling, Systematic Sampling, Quota Sampling, Convenience Sampling

#### Unit 3 Classification and Tabulation of Data

Unit 4

Diagrammatic Presentation of Data Bar Diagrammes-Simple Bar Diagramme, Multiple Bar Diagramme, Differential Bar Diagramme Pie or Circular Diagramme

#### Suggest Readings:

 Goon, A. M, Gupta, M. K, and Dasgupta, B. Fundamentals of Statistics (Volume One), The World Press Private Ltd
GOI, Note on Sample Design and Estimation Procedure of NSS 68th Round, National Sample Survey Office, Ministry of Statistics and Programme Implementation.
GOI, SRS Statistical Report 2016, Office of the Registrar General & Census Commissioner, India

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# गुरू घासीदास विश्वविद्यालय (केट्रीय विश्वविद्यालय अधिन्यम 2009 ज्ञ. 25 के अंतर्गत स्वापित केन्द्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009) Koni, Bilaspur – 495009 (C.G.)

## SEMESTER IV

B.A. (Hon's) Economics, Semester IV, Core-10 Course: Introductory Econometrics Course Code: SS/EC/C-410 Course Credit: (5+1)

# INTRODUCTORY ECONOMETRICS

# Course Description

This course provides a comprehensive introduction to basic econometric concepts and techniques. It covers statistical concepts of hypothesis testing, estimation and diagnostic testing of simple and multiple regression models.

Course Outline

### Unit: 1 Nature and Scope of Econometrics

## Unit: 2

Simple Linear Regression Model: Two Variable Case; Estimation of model by method of ordinary least squares;

#### Unit: 3

Gauss-Markov theorem; properties of estimators; goodness of fit-R<sup>2</sup>; tests of hypotheses; confidence intervals; forecasting

#### Unit: 4

Multiple Linear Regression Model: Estimation of parameters; goodness of fit  $-R^2$  and adjusted R2; partial regression coefficients;

#### Readings

 D. N. Gujarati and D.C. Porter, Essentials of Econometrics, McGraw Hill, Latest edition, International/Indian Edition.
Christopher Dougherty, Introduction to Econometrics, Oxford University Press, Latest

edition, Indian edition.

3. Jan Kmenta, Elements of Econometrics, Indian Reprint, Khosla Publishing House, Latest edition.

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