Cou		UCA20S04L	Course Name	ST	ATISTICAL PACKAGE FOR SOCIA	L SCIENCES		ourse		s	68		5	Skill	Enha	ance	men	t Co	urse)			L 0	T 0	P 2	<u>C</u>
		uisite Courses ng Department	Nil Comp	uter Appli	Co-requisite Courses Nil Cations Data Bo	ok / Codes/Sta	andards	Nil	Pro	gres	ssive	Cour	ses		Nil											
Cours	e Learn	ing Rationale ((CLR):	The purpo	se of learning this course is to:			L	earni	ing	H	b			Pr	ogra	m Le	earni	ng O	utco	mes	(PL	0)			
E1CL 1:	R- To d	efine a variety	of statistica	l variables		a distribution	Úx.	1	2	3	Ь	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-2	2: To e	nter basic data	into SPSS			17.1	THE PARTY NAMED IN						100	es			е									
CLR-3	: To le	earn basic SPS	SS functions	and its to	ols	E- 15		(m	8	(%)		ge	ts	plin			edg		_							
CLR-4	: To P	resent data us	ing relevan	t tables, g	raphical displays and summary statis	tics.	100	Thinking (Bloom)	cy	n t		/led	Concepts	Related Disciplines	edural Knowledge	tion	Knowledge		Data		Skills	Skills			ij	61750
CLR-		onduct descrip						a) pr	ien	me		nov	Son	D De	wle	Specialization	70,500	βL		Skills	gS	5250819			hav	ing
CLR-6	: To c	arry out statisti	ical analysis	that can	test hypotheses	120	n.dV	- k	rofic	ttair		조		elate	Kno	ecia	to Utilize	Modeling	Interpret	S	Solving	tion	Skills		l Be	Learning
	9.0			7		1 - 20 V	Marin		d P	A	7	ent	ion	Re	ā	Spe	£	Mo		ative	S	nica	alS	ေ	ona	
Cours	e Learn	ing Outcomes	(CLO):	At the end	of this course, learners will be able to	0:		Level of	e e	Expected Attainment		Fundamental Knowledge	Application of	Link with	Procedu	Skills in	Ability to	Skills in	Analyze,	Investigative	Problem	Communication	Analytical	ICT Skills	Professional Behavior	Life Long
CLO-	1 : Unde	erstand the bas	sic analyse	s workings	of SPSS, and its tools	11/21 /		3	80			L	Н	-	Н	L	-	-	Н	L	L	-	Н	-	-	Н
CLO-	2 : Sum	marize data us	sing graphs	and descr	iptive statistics,		7	3	85	75		М	Н	L	М	L	-	-	Н	М	L	-	Н	-	-	Н
CLO-	Anal	yzing data to c parametric met	com <mark>pare si</mark> g hod <mark>s.</mark>	nificance o	of difference between two or more gro	oups: paramet	tric and	3	75	70		М	Н	М	Н	L	-		Н	М	L	•	Н	-	-	Н
				n disease	(outcome) and one or more exposure	es		3	85	80		М	Н	М	Н	L	_	-	Н	М	L	•	Н	-	-	Н
	_	y out inferentia				17/		3	85			Н	Н	М	Н	L	-	-	Н	М	L	-	Н	-	-	Н
CLO-6	3: Use	SPSS to produ	uce sci <mark>ent</mark> ifi	cally soun	d research reports	71/11		3	80	70		L	Н		Н	L	-		Н	L	L	•	Н	-	-	Н
95		765 II										J.		T.												
	ation our)		06		06		06						1	06		d						0	6			
	SLO-1	Introduction to	SPSS		Introduction to Various Graphical	Acti	EA_{1}	J.,			-			_		_										
S-1	SLO-2	Understanding View, Variable View	•		representation of Data and Editing of Graphs	Introduction Tendencies		res of	Cent	tral	100.0	d Lin		Regi	essi	on I	rend-		Intro	ducti	on to	No	n-Pa	ame	tric	Гes
00	SLO-1	Defining Varia Set			Constructing Cimple Day discusses	Calculation			n and	ł	Intro	ducti	on to	Tes	of S	ignif	fican	се	One	–Wa	y Ch	i-sq	uare	test	(test	for
5-2	SLO-2	Entering Data and Saving a	in a New D New Data S	ata Set Set	Constructing Simple Bar diagram	Mode, Geor	medic mea	111			for S	Single	and	two	Sam	ole			Hom	oger	eity))			A .	
S-3	SLO-1	Sorting and fil	tering data		Constructing Multiple Bar Diagram	Introduction	to Method	ds of			Und	ersta	nding	Lar	ge Sa	ampl	e Te	st	Two-	-Wa	/ Chi	i-squ	are t	est (test	for

	SLO-2	Replacing Missing Values		Dispersion	(Z-Test)	Attributes)	
S-4		Creating a New Data Set From Other File Format	Constructing Sub divided Bar	Calculation of Standard Deviation,	Test for Mean, Test for Proportion & Test for Standard Deviation for Z-	Introduction to Test of Homogeneity	
120000000	SLU-Z	Opening a data file and viewing its contents	Diagram	Quartiles, Skewness & Kurtosis	test test	of Means for more than 2 samples	
S-5	SLO-1	Construction of Frequency tables	Constructing Histogram	Introduction to Correlation	Understanding Small Sample Test	One –Way ANOVA	
	SLO-2	Univariate Frequency tables	Constructing Histogram	Coefficient:	(t-Test, F-test)		
	SLO-1	Bivariate Frequency tables	Constructing Die Diegram	Calculation of Karl Pearson's Correlation Coefficient	Test of Mean & Test of Variances	Tue May ANOVA	
S-6	SLO-2	CrossTabulation	Constructing Pie Diagram	Calculation of Spearman's Rank Correlation Coefficient	for Small sample	Two-Way ANOVA	

Learning Resources	1. Vijay Gupta, (1999), "SPSS for Beginners", VJBooks Inc.	 Melanie C. Page, Sanford L. Braver and David P. MacKinnon, (2003), "Levine's Guide to SPSS for Analysis of Variance", 2nd Edition, Lawrence Erlbaum Associates Publishers.
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Leaning A	Assessment			Continuo	us Learning Asse	essment (50% v	veightage)	-		Final Exa	mination	
Level	Bloom's Level	CLA - 1 (10%)		CLA - 2 (10%)		THE RESERVE TO SECURE ASSESSMENT OF THE PARTY OF THE PART	3 (20%)	CLA -	4 (10%)#	(50% weightage)		
	of Thinking	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	
Lovol 1	Remember	200/	20%	15%	15%	150/	15%	15%	15%	200	30%	
Level 1	Understand	20%	20%	15%	15%	15%	15%	15%	15%		30%	
Level 2	Apply	20%	20%	20%	20%	20%	20%	20%	20%	6-20	40%	
Level 2	Analyze	20 /6	20 /8	2076	20 /0	20 /0	20 /0	20 /0	20 /6	7	40 /0	
Level 3	Evaluate	10%	10%	15%	15%	15%	15%	15%	15%		30%	
Level 3	Create	10 /6	10 /8	1370	15 /6	13 /0	13 /0	13 /0	15 /6	1.7	30 /6	
	Total	100	0 %	100	0 %	10	0 %	10	0 %	100) %	

CLA - 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
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