TOPIC		OBJECTIVES	ADDITIONAL TASK	Name of
Differentiation				
	1. Rules of differentiation 2. Higher order derivatives	• Understand the definition of Differentiation and Integration	Provide sample problems regarding the topic. (problem solving)	COMBO, DIRE
Integrals				
	1. Indefinite integrals 2. Area and definite integrals	• Be able to determine information about a function through the processes of differentiation and integration.		BOBIS, GABR
Descriptive statistics				
	1. Variables, Data sources 2. Histograms 3. Distribution moments: mode, median and mean 4. Symmetrical and skewed distributions 5. Measures of spread: range, interquartile range, variance, standard deviation 6. Indices	• Describe or summarize the characteristics of a sample or data set. • Display data graphically and interpret graphs. • Calculate and interpret the various descriptive measures for centrality and dispersion.	Provide sample problems regarding the topic. (problem solving)	ALCAI BAU STA DE L
Probability				
	1. Definition of probability 2. Simple events, Compound events and related formula 3. Conditional probability and Bayes Theorem 4. Independence	• Understand the use of probability • Use set notation to express and apply probability laws • Use Venn diagram to represent and interpret combined events • Use tree diagram to represent problem	Provide sample problems regarding the topic. (problem solving)	SAY ACOP BUENA SOLA
Random variables				
	1. Discrete random variables: probability distributions, mean and variance, expectation 2. Binomial distribution 3. Continuous random variables: probability density function, standard normal distribution, 4. Expectation of functions.	• Define a random variable • Determine whether a random variable is discrete or continuous • Apply random variable in daily life concept.	Provide sample problems regarding the topic.	MOL FRI APIADO- OLE

Interval & point estimation				
	1. Estimation, sampling distribution 2. Confidence intervals 3. Small samples: t-distribution	• Find population parameters. • Understand the difference between a point estimate and the confidence interval for the mean.	Provide sample problems regarding the topic.	ACAE SERRANC APIL
Hypothesis testing	1. Using confidence intervals: null hypothesis 2. One-sided tests: alternative hypothesis, p 3. Type I and type II errors 4. Two- sided tests	• Conduct and interpret hypothesis tests. • Understand how to develop Null and Alternative. Hypotheses. • Understand Type I and Type II Errors.		FRANCISC ESPALLARDO· MARTINEZ-MC GARCIA-NABC
Correlation and Simple regression				
	1. Ordinary least squares 2. Experimental design 3. Regression: assumptions and consequences, confidence intervals, 4. Prediction: confidence intervals and extrapolation, Regression to the mean 5. Identification 6. Causality in Statistic	• Identify the strength and direction of a linear relationship between two variables. • Predict the value of a dependent variable based on an independent variable. • Use regression to predict how much a dependent variable changes based on adjustments to an independent variable. • Develop objective and data-driven decision.	Provide sample problems regarding the topic.	SORIA-ANDRE SANTOS-DELC RODRIGO-DEL POSTRERO-DI MODESTO-GE BELARDO-LEE
SUBTOPICS	**31**			

Student

[redacted]

E, OLEGARIO

ANG, PARCO

[redacted]

RADO

ZON

ANA

EON

[redacted]

SON

IADO

VIDES

YAO

[redacted]

DON

AS

-RIVERA

EZA

ADO
-ALABAN
ADO

CO-BALOS
-MONDIA JR
SQUITE
R

S

S SANTOS

_ ROSARIO

UQUE

RONIMO

RILLA