

Description of Course Unit

Course unit title	Sampling Techniques
Course unit code	VS191302
Type of course unit (compulsory, optional)	compulsory
Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	First cycle Bachelor
Year of study when the course unit is delivered (if applicable)	
Semester/trimester when the course unit is delivered	3
Number of ECTS credits allocated	4.8
Name of lecturer(s)	Destri Susilaningrum, Mike Prastuti, Mukti Ratna D.
Learning outcomes of the course unit	<p>Students are able to :</p> <ul style="list-style-type: none"> - <i>Explain the basic concepts of statistics and sampling techniques</i> - <i>to apply Simple Random Sampling (SAS) design and determine the sample size to estimate a certain parameter</i> - <i>to apply the Systematic Random Sampling design and determine the size of the sample to estimate a certain parameter</i> - <i>to apply Stratified Random Sampling (SA. STRAT) design and determine sample size to estimate a certain parameter, allocate samples for each stratum</i> - <i>to use One-Stage (CS 1-Stage) and Two-Stage (CS 2-Stage) Cluster Sampling designs and determine the amount of sample size to estimate certain parameters</i> - <i>to determine the sampling design in accordance with the conditions of the research problem and map the location of the selected sampling unit as well as manage and organize field surveys</i>
Mode of delivery (face-to-face, distance learning)	Face to face
Prerequisites and co-requisites (if applicable)	-
Course content	<ol style="list-style-type: none"> 1. Introduction of Sampling 2. Simple Random Sampling 3. Systematic Random Sampling 4. Stratified Random Sampling 5. One stage ClusterSampling 6. Two Stage Cluster Sampling 7. Mapping Sample on The location research site
Recommended or required reading and other learning resources/tools	<ol style="list-style-type: none"> 1. Susilaningrum, D. [2018], Teknik Pengambilan Sampel untuk Peneliti & Pemula, Kanzun Books, Surabaya 2. Mendenhal, W., Scheaffer R.L., Ott Lyman [1986], <i>Elementary Survey Sampling</i>, 3rd ed, Duxbury Press, Boston. 3. Cochran, W.G. [1977], <i>Sampling Techniques</i>, 3rd ed, John Wiley & Sons, New York.

	<p>4. Shriver, B.d., Borders, B.e. [1996], <i>Sampling Techniques for Forest Resource Inventory</i>, John Wiley & Sons, New York.</p> <p>5. Tryfors P. [1996], <i>sampling Methode for Applied Research Text and Cases</i>, John Wiley & Sons, New York.</p>
Planned learning activities and teaching methods	Problem Based Learning, Blended Learning
Language of instruction	Indonesian Language
Assessment methods and criteria	Quiz, Praticce, Midterm Exam and Final Exam.

