

## Subject Description Form

Please read the notes at the end of the table carefully before completing the form.

<b>Subject Code</b>	APSS339											
<b>Subject Title</b>	Statistics for Human Service Professionals											
<b>Credit Value</b>	3											
<b>Level</b>	3											
<b>Pre-requisite / Co-requisite/ Exclusion</b>	Nil											
<b>Assessment Methods</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">100% Continuous Assessment</th> <th style="width: 33%;">Individual Assessment</th> <th style="width: 33%;">Group Assessment</th> </tr> </thead> <tbody> <tr> <td>1. Quiz</td> <td style="text-align: center;">50 %</td> <td style="text-align: center;">--</td> </tr> <tr> <td>2. Written Assignments</td> <td style="text-align: center;">50 %</td> <td style="text-align: center;">--</td> </tr> </tbody> </table>			100% Continuous Assessment	Individual Assessment	Group Assessment	1. Quiz	50 %	--	2. Written Assignments	50 %	--
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2. Written Assignments	50 %	--										
<b>Objectives</b>	<p>To enable students to:</p> <ol style="list-style-type: none"> <li>1. know the different uses of statistics;</li> <li>2. understand and interpret statistics in real life situations;</li> <li>3. implement basic statistical analyses in the commonly used software SPSS</li> <li>4. apply relevant statistics in work situations.</li> </ol>											
<b>Intended Learning Outcomes</b> <i>(Note 1)</i>	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> <li>A. know how to operate the basics of SPSS;</li> <li>B. know how to read and understand reports that have basic statistical analyses;</li> <li>C. know the uses of commonly used statistical tests</li> </ol>											
<b>Subject Synopsis/ Indicative Syllabus</b> <i>(Note 2)</i>	<ol style="list-style-type: none"> <li>1. <b>Introduction</b> <ol style="list-style-type: none"> <li>a. Basic concepts in statistics</li> </ol> </li> <li>2. <b>Descriptive Statistics</b> <ol style="list-style-type: none"> <li>a. Describing data: graphs and tables</li> <li>b. Describing data: summary measures</li> </ol> </li> <li>3. <b>Inferential Statistics</b> <ol style="list-style-type: none"> <li>a. Probability and probability distributions</li> <li>b. Sampling and sampling distribution</li> <li>c. Estimation</li> <li>d. Fundamentals of hypothesis testing</li> </ol> </li> <li>4. <b>Parametric and Non-parametric tests</b> <ol style="list-style-type: none"> <li>a. t-test and ANOVA</li> <li>b. correlations</li> <li>c. chi-square</li> </ol> </li> <li>5. <b>Scale and Index Construction</b></li> <li>6. <b>Multivariate Analysis and Statistical Control</b></li> </ol>											

<b>Teaching/Learning Methodology</b>  (Note 3)	Lecturing, computer workshops and take-home exercises																																																																
<b>Assessment Methods in Alignment with Intended Learning Outcomes</b>  (Note 4)	<table border="1" data-bbox="443 353 1471 745"> <thead> <tr> <th data-bbox="443 353 770 461" rowspan="2">Specific assessment methods/tasks</th> <th data-bbox="778 353 927 461" rowspan="2">% weighting</th> <th colspan="6" data-bbox="935 353 1471 461">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th data-bbox="935 461 1018 528">a</th> <th data-bbox="1026 461 1109 528">b</th> <th data-bbox="1114 461 1197 528">c</th> <th data-bbox="1204 461 1287 528">d</th> <th data-bbox="1295 461 1378 528">e</th> <th data-bbox="1386 461 1471 528"></th> </tr> </thead> <tbody> <tr> <td data-bbox="443 528 770 595">1. Quiz</td> <td data-bbox="778 528 927 595">50 %</td> <td data-bbox="935 528 1018 595">√</td> <td data-bbox="1026 528 1109 595">√</td> <td data-bbox="1114 528 1197 595">√</td> <td data-bbox="1204 528 1287 595"></td> <td data-bbox="1295 528 1378 595"></td> <td data-bbox="1386 528 1471 595"></td> </tr> <tr> <td data-bbox="443 595 770 663">2. Written Assignments</td> <td data-bbox="778 595 927 663">50 %</td> <td data-bbox="935 595 1018 663">√</td> <td data-bbox="1026 595 1109 663">√</td> <td data-bbox="1114 595 1197 663">√</td> <td data-bbox="1204 595 1287 663"></td> <td data-bbox="1295 595 1378 663"></td> <td data-bbox="1386 595 1471 663"></td> </tr> <tr> <td data-bbox="443 663 770 745">Total</td> <td data-bbox="778 663 927 745">100 %</td> <td colspan="6" data-bbox="935 663 1471 745"></td> </tr> </tbody> </table> <p data-bbox="443 797 1471 969">           Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:             The quiz part assesses intended learning outcome 2 and 3; the written assignment part assesses intended learning outcome 1 and 3.         </p>								Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)						a	b	c	d	e		1. Quiz	50 %	√	√	√				2. Written Assignments	50 %	√	√	√				Total	100 %																									
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<b>Reading List and References</b>	<p data-bbox="443 1686 1471 1816"> <b>Recommended Textbook</b>             Agresti, Alan and Barbara Finlay. (2009). <i>Statistical Methods for the Social Sciences</i>. Upper Saddle River, N.J. : Person / Prentice Hall.         </p> <p data-bbox="443 1850 1471 1917">           Diekhoff, G. (1996). <i>Basic statistics for the social and behavioral sciences</i>. Upper Saddle River, N.J.: Prentice Hall.         </p>																																																																

Note 1: Intended Learning Outcomes

Intended learning outcomes should state what students should be able to do or attain upon completion of the subject. Subject outcomes are expected to contribute to the attainment of the overall programme outcomes.

Note 2: Subject Synopsis/ Indicative Syllabus

The syllabus should adequately address the intended learning outcomes. At the same time over-crowding of the syllabus should be avoided.

Note 3: Teaching/Learning Methodology

This section should include a brief description of the teaching and learning methods to be employed to facilitate learning, and a justification of how the methods are aligned with the intended learning outcomes of the subject.

Note 4: Assessment Method

This section should include the assessment method(s) to be used and its relative weighting, and indicate which of the subject intended learning outcomes that each method purports to assess. It should also provide a brief explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes.