

<b>Title of the Module / Unit</b>	Foundation Mathematics
<b>Module / Unit Description</b>  Provide a brief description of the module.	This module is designed to consolidate learners' knowledge and competence of mathematics through topics in the areas of statistical methods and linear algebra. The mathematical techniques taught in this module will be necessary to build a wider set of mathematical skills across a broad range of disciplines.
	<p>Competences: – at the end of the module/unit the learner will have acquired the responsibility and autonomy to:</p> <ul style="list-style-type: none"> <li>a) Interpret, transpose and evaluate formulae</li> <li>b) Be able to apply fundamental calculations and use algebraic equations</li> <li>c) Be able to plot and interpret graphs, charts and diagrams</li> <li>d) Apply statistical methods to provide meaningful information</li> </ul> <p>Knowledge – at the end of the module/unit the learner will have been exposed to the following:</p> <ul style="list-style-type: none"> <li>a) Understand the basic rules of numeracy</li> <li>b) Solve mathematical problems using a range of methods</li> <li>c) Draw charts and diagrams derived from tabular data</li> <li>d) Determine and interpret summary statistics</li> </ul> <p>Skills – at the end of the module/unit the learner will have acquired the following skills:</p> <p><b>Applying knowledge and understanding</b></p> <p>The learner will be able to:</p> <ul style="list-style-type: none"> <li>a) Demonstrate an ability to carry out basic algebraic manipulation</li> </ul>

<p><b>Learning Outcomes</b></p>	<p>b) Plot graphs and apply general rules and principles of graphical construction</p> <p>c) Apply concept of probability to find solutions to a range of problems</p>
	<p><b><i>Judgment Skills and Critical Abilities</i></b></p> <p>This section has been made sufficiently open to accommodate both vocational and academic orientations. Applicants can refer to Judgment Skills, or Critical Abilities (critical skills, dispositions, values and actions), or both.</p> <p>The learner will be able to:</p> <p>a) Compare numbers and approximate data</p> <p>b) Plot and interpret graphs, charts and tables of data</p> <p>c) Distinguish between different types of data</p> <p>d) Differentiate and integrate elementary functions using standard results</p>
	<p><b><i>Module-Specific Communication Skills</i></b></p> <p>(Over and above those mentioned in Section B)</p> <p>The learner will be able to:</p> <p>a) Use correct application of presentation methods in the business world</p> <p>b) Explain and use summarised values to different data sets</p> <p>c) Construct and interpret graphs, charts and diagrams</p>

	<p><b><i>Module-Specific Learner Skills</i></b></p> <p>(Over and above those mentioned in Section B)</p> <p>The learner will be able to</p> <ul style="list-style-type: none"><li>a)</li><li>b)</li><li>c)</li></ul>
	<p><b><i>Module-Specific Digital Skills and Competences</i></b></p> <p>(Over and above those mentioned in Section B)</p> <p><i>(These digital skills are covered by the primary objectives of this course – so the skills referred to above address this section)</i></p> <p>The learner will be able to</p> <ul style="list-style-type: none"><li>a)</li><li>b)</li><li>c)</li><li>etc.</li></ul>

<b>Hours of Total Learning for this Module / Unit</b>  1 ECTS is equivalent to 25 total hours of learning, inclusive of contact hours, supervised placement and practice hours, self-study hours and assessment hours. At least 20% (5 hours for every ECTS) must be <u>contact hours</u> or as otherwise established from time to time by NCFHE.	Total Contact Hours <sup>1</sup> <span style="float: right; border: 1px solid black; padding: 2px;">55</span>  (Contact Hours are hours invested In learning new content under the Direction of a tutor/lecturer (e.g. lectures, participation in online forums, video-lectures).)	Supervised Placement and Practice Hours <span style="float: right; border: 1px solid black; padding: 2px;">10</span>  (During these hours the learner is supervised, coached or mentored.)
	Self-Study Hours <span style="float: right; border: 1px solid black; padding: 2px;">150</span>  (Estimated workload of research and study.)	Assessment Hours <span style="float: right; border: 1px solid black; padding: 2px;">35</span>  (Examinations/ presentations/ group work/ projects etc.)
<b>Total Learning Hours of this Module</b>	_____ 250 _____ Hours	
<b>Percentage of Total Contact Hours delivered online.</b>  In the case of online/blended learning, kindly indicate the total number of contact hours delivered online and those face-to-face.	Contact Hours Delivered Online <span style="float: right; border: 1px solid black; padding: 2px;">N/A</span>	Contact Hours Delivered Face-to-Face <span style="float: right; border: 1px solid black; padding: 2px;">100%</span>

<sup>1</sup> In the case of online learning, synchronous and asynchronous learning activities under the direction and control of an instructor are considered as contact hours.