

School	Pôle Paris Alternance (PPA Business School, Paris, France)
Qualification Title	BBA Professional Accounting
Recognition	Commission Nationale de la Certification Professionnelle (CNCP) (National Commission for Professional Certification)
Listed On	Répertoire national des certifications professionnelles (RNCP) National Directory of Professional Certifications
RNCP Code	<b>16261</b>
RNCP Web Link	<a href="http://www.rncp.cncp.gouv.fr/grand-public/visualisationFiche?format=fr&amp;fiche=16261">http://www.rncp.cncp.gouv.fr/grand-public/visualisationFiche?format=fr&amp;fiche=16261</a>
Module Title	Business Statistics
Module Code	
EQF Level	4
Semester	First Semester
ECTS Credits	
Study Hours	52
Private Study	100
TOTAL HOURS	152
Languages Available	French English
Aims	The module aims to provide an introduction to quantitative methods that will assist students in establishing basic mathematical, quantitative and statistical skills for the study of accounting and finance.
Learning Outcomes	<ol style="list-style-type: none"> <li>1. Demonstrate a basic understanding of mathematical tools and their applications to accounting, finance and economics</li> <li>2. Understand the fundamental concepts of statistics and probability</li> <li>3. Understand basic principles of random sampling, the nature of sampling error and the need for estimation</li> <li>4. Explain the rules of hypothesis testing</li> <li>5. Explain the relation between two random variables using correlation and regression analyses</li> </ol>
Assessments	<p>Assessment 1: Excel Seminars Assessment Type: Practical Work Weighting: 50%</p> <p>Assessment 2: MCQ'S Exam Type: Unseen Exam Duration: 2 Hour Weighting: 50%</p>
Skills	<p>(S1) Problem solving skills</p> <p>(S2) Numeracy</p> <p>(S3) Teamwork</p> <p>(S4) IT skills</p>
Syllabus	Revision of basic mathematic skills: indices, algebra, transposition of formulae, solving simultaneous equations and substitution;

	<p>Linear functions, solutions, application of simultaneous equations to points of intersection;</p> <p>Non-linear functions: quadratics and the quadratic formula, polynomials, exponents, exponentials, logarithmic functions (preceded by revision of common and natural logarithms);</p> <p>The various rules of differentiation;</p> <p>Partial derivatives;</p> <p>The mathematics of finance: time value of money, simple and compound interest and investment growth, application of the exponential to growth formulae and continuous compounding, discounting, present valuing, investment appraisal, annuities and perpetuities, geometric series and their application to the dividend discount model;</p> <p>Revision of basic statistics and presentation formats (graphs);</p> <p>Introduction to probability and the related distributions;</p> <p>The chi-squared distribution, sampling error and estimation;</p> <p>Correlation and regression.</p>
Teaching and Learning Strategies	<p>Teaching Method 1: Lecture</p> <p>Teaching Method : Workshops</p> <p>Teaching Method 1: Seminars</p>
Learning Resources	