

Syllabus Attività Formativa

Anno Offerta	2021
Corso di Studio	L21BB – ECONOMICS AND BUSINESS
Regolamento Didattico	L21BB-21
Percorso di Studio	L21BBBASE - BASE
Insegnamento/Modulo	OFA - MATHEMATICS

Tipo Testo	Testo in Inglese
Obiettivi formativi /Instructional goals	<p>Knowledge and understanding: The OFA test aims to verify if students already have a set of mathematical tools that should have been acquired in high school.</p> <p>Ability to apply knowledge and understanding: Students should be familiar with methodological tools that will allow them to concentrate on the contents of Mathematics course, having acquired or re-examined the preliminary notions necessary to operate actively during the first quantitative courses of the study program.</p>
Risultati di apprendimento attesi/Intended learning outcomes	<p>Autonomy of judgment: the student should be able to understand the new tools that will be presented in the quantitative courses of the study program and to work with them.</p> <p>Communication skills: Students should have a know-how that will facilitate mutual communication and teamwork</p>

	<p>Learning skills: Since the Mathematics course is a quantitative one, students should have acquired not only adequate skills and knowledge to pass the exam, but also the ability to organize their study independently.</p>
<p>Contenuti Del Corso / Course Contents</p>	<ol style="list-style-type: none"> 1. Real numbers 2. Exponentiation 3. Rules of algebra 4. Fractions 5. Polynomials division: Ruffini's rule 6. Set theory and intervals 7. Equations 8. Inequations 9. Systems of inequations 10. Absolute value 11. Exponentials 12. Logarithms 13. Equations of degree two 14. Logic and proofs 15. Trigonometry 16. Cartesian coordinates 17. Straight line 18. Inequations of degree two
<p>Testi Di Riferimento / Reference Books</p>	<p>K. Sydsaeter, P. Hammond, A. Stroem, A. Carvajal, "Essential Mathematics for Economic Analysis", Pearson.</p> <p>- K. Sydsaeter, P. Hammond, A. Seierstad, A. Stroem, "Further Mathematics for Economic Analysis", Pearson.</p>