



5.00 credits

45.0 h + 22.5 h

Q2

Teacher(s)	Lavendhomme Thierry ;
Language :	French
Place of the course	Bruxelles Saint-Louis
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>At the end of this course, students should have completed their knowledge of real functions of one variable (integrals) and be familiar with the theory of functions in two or more variables, including constrained optimizations and an introduction to partial differential equations.</p> <p>As the course is under construction, more information will be provided during the theory course.</p> <p>For each of the topics studied, at the end of the course, the student will be able to define and explain the concepts, justify the successive steps of a demonstration, implement the computational techniques, solve various problems.</p> <p>Another objective of this course is to make the student capable of using mathematical concepts in economic contexts.</p>
Bibliography	<p>Livres de référence :</p> <ul style="list-style-type: none"> - Stewart J., Analyse, Concepts et contextes, Volume 1, Fonctions d'une variable, De Boeck. - Stewart J., Analyse, Concepts et contextes, Volume 2, Fonctions de plusieurs variables, De Boeck. <p>Références complémentaires (les années ne sont pas mentionnées car il y a parfois eu plusieurs versions, qui ne différaient que peu).</p> <ul style="list-style-type: none"> - Sydtaeter K. & Hammond P., Mathématiques pour l'économie, Pearson.
Faculty or entity in charge	ESPB

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor : Business Engineering	INGB1BA	5		
Bachelor : Business Engineering (French-English)	INAB1BA	5		
Bachelor : Business Engineering (French-Dutch-English)	INTB1BA	5		