

5.0 crédits

30.0 h + 15.0 h

1q

Enseignants:	Claeys Tom ;
Langue d'enseignement:	Français
Lieu du cours	Louvain-la-Neuve
Ressources en ligne:	<p>&#amp;#amp;#amp;#amp;#amp;#amp;lt;!--cke_protected{C}%3C!%2D%2D%0A%20%2F*%20Font%20Definitions%20*%2F%0A%40font-face%0A%09%7Bfont-family%3A%22Cambria%20Math%22%3B%0A%09panose-1%3A2%204%205%203%205%204%206%203%202%204%3B%0A%09mso-font charset%3A1%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-format%3Aother%3B%0A%09mso-font-pitch%3Avariable%3B%0A%09mso-font-signature%3A0%200%200%200%200%200%3B%7D%0A%40font-face%0A%09%7Bfont-family%3A%22%E3%83%92%E3%83%A9%3E%82%AE%3E%83%8E%8E%8A%7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso font charset%3A0%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso font pitch%3Aauto%3B%0A%09mso font signature%3A0%200%200%200%200%200%3B%7D%0A%20%2F*%20Style%20Definitions%20*%2F%0Ap.MsoNormal%2C%20li.MsoNormal%2C%20div.MsoNormal%0A%09%7Bmso-style-unhide%3A%0A%09mso-style qformat%3Ayes%3B%0A%09mso-style-parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso-paginat ion%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font-family%3A%22Times%20New%20Roman%22%3B%0A%09mso-bidi-font-family%3A%22Times%20New%20Roman%22%3B%0A%09mso-ansi-language%3AEN-US%3B%0A%09mso-fareast-language%3AEN-US%3B%7D%0Ap.Corps%2C%20li.Corps%2C%20div.Corps%0A%09%7Bmso-style-name%3ACorps%3B%0A%09mso-style-unhide%3A%0A%09mso-style-parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso-paginat ion%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font-family%3A10.0pt%3B%0A%09mso-bidi font-size%3A10.0pt%3B%0A%09font-family%3AHelvetica%3B%0A%09mso-fareast-font-family%3A%22%E3%83%92%E3%83%A9%3E%82%AE%3E%83%8E%8E%8A%7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso-bidi font-family%3A%22Times%20New%20Roman%22%3B%0A%09color%3Ablack%3B%0A%09mso-ansi-language%3AFR%3B%7D%0A.MsoChpDefault%0A%09%7Bmso-style-type%3Aexport-only%3B%0A%09mso-default-props%3Ayes%3B%0A%09font-size%3A10.0pt%3B%0A%09mso-ansi-font-size%3A10.0pt%3B%0A%09mso-bidi-font-size%3A10.0pt%3B%7D%0A%40page%20WordSection1%0A%09%7Bsize%3A612.0pt%20792.0pt%3B%0A%09margin%3A70.85pt%2070.85pt%2070.85pt%2070.85pt%3B%0A%09mso-header-margin%3A36.0pt%3B%0A%09mso-footer-margin%3A36.0pt%3B%0A%09mso-paper-source%3A0%3B%7D%0Adiv.WordSection1%0A%09%7Bpage%3AWordSection1%3B%7D%0A%2D%2D%3E--&#amp;#amp;#amp;#amp;#amp;#amp;gt;</p> <p>Site Moodle.</p>

Préalables :	<p>& mp;amp;lt;!--cke_protected{C}%3C!%2D%2D%0A%20%2F*%20Font%20Definitions%20*%2F%0A%40font-face%0A%09%7Bfont-family%3A%22Cambria%20Math%22%3B%0A%09panose-1%3A2%204%205%203%205%204%206%203%202%204%3B%0A%09mso-font charset%3A1%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-format%3Aother%3B%0A%09mso-font-pitch%3Avariable%3B%0A%09mso-font-signature%3A0%200%200%200%200%200%3B%7D%0A%40font-face%0A%09%7Bfont-family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso font charset%3A0%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-pitch%3Aauto%3B%0A%09mso font signature%3A0%200%200%200%200%200%3B%7D%0A%20%2F*%20Style%20Definitions%20*%2F%0Ap.MsoNormal%2C%20li.MsoNormal%2C%20div.MsoNormal%0A%09%7Bmso-style-unhide%3Anew%3B%0A%09mso-style qformat%3Ayes%3B%0A%09mso style parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font-family%3A%22Times%20New%20Roman%22%3B%0A%09mso-ansi-language%3AEN-US%3B%0A%09mso-fareast language%3AEN-US%3B%7D%0Ap.Corpor%2C%20li.Corpor%2C%20div.Corpor%0A%09%7Bmso-style-name%3ACorpor%3B%0A%09mso style unhide%3Anew%3B%0A%09mso style parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin bottom%3A.0001pt%3B%0A%09mso pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09mso bidi font size%3A10.0pt%3B%0A%09font family%3AHelvetica%3B%0A%09mso-fareast font family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso bidi font family%3A%22Times%20New%20Roman%22%3B%0A%09color%3Ablack%3B%0A%09mso-ansi-language%3AFR%3B%7D%0AmsoChpDefault%0A%09%7Bmso-style-type%3Aexport-only%3B%0A%09mso-default-props%3Ayes%3B%0A%09font-size%3A10.0pt%3B%0A%09mso-ansi font size%3A10.0pt%3B%0A%09mso bidi font size%3A10.0pt%3B%7D%0A%40page%20WordSection1%0A%09%7Bsize%3A612.0pt%20792.0pt%3B%0A%09margin%3A70.85pt%2070.85pt%2070.85pt%2070.85pt%3B%0A%09mso header margin%3A36.0pt%3B%0A%09mso footer margin%3A36.0pt%3B%0A%09mso paper source%3A0%3B%7D%0Adiv.WordSection1%0A%09%7Bpage%3AWordSection1%3B%7D%0A%2D%2D%3E--&mp;amp;gt;</p> <p>LMAT1222 ' Analyse complexe 1 (deuxième année de bachelier en sciences mathématiques) ou cours équivalent.</p>
Thèmes abordés :	<p>& mp;amp;lt;!--cke_protected{C}%3C!%2D%2D%0A%20%2F*%20Font%20Definitions%20*%2F%0A%40font-face%0A%09%7Bfont-family%3A%22Cambria%20Math%22%3B%0A%09panose-1%3A2%204%205%203%205%204%206%203%202%204%3B%0A%09mso-font charset%3A1%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-format%3Aother%3B%0A%09mso-font-pitch%3Avariable%3B%0A%09mso-font-signature%3A0%200%200%200%200%200%3B%7D%0A%40font-face%0A%09%7Bfont-family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso font charset%3A0%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-pitch%3Aauto%3B%0A%09mso font signature%3A0%200%200%200%200%200%3B%7D%0A%20%2F*%20Style%20Definitions%20*%2F%0Ap.MsoNormal%2C%20li.MsoNormal%2C%20div.MsoNormal%0A%09%7Bmso-style-unhide%3Anew%3B%0A%09mso-style qformat%3Ayes%3B%0A%09mso style parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font-family%3A%22Times%20New%20Roman%22%3B%0A%09mso-ansi-language%3AEN-US%3B%0A%09mso-fareast language%3AEN-US%3B%7D%0Ap.Corpor%2C%20li.Corpor%2C%20div.Corpor%0A%09%7Bmso-style-name%3ACorpor%3B%0A%09mso style unhide%3Anew%3B%0A%09mso style parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin bottom%3A.0001pt%3B%0A%09mso pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09mso bidi font size%3A10.0pt%3B%0A%09font family%3AHelvetica%3B%0A%09mso-fareast font family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso bidi font family%3A%22Times%20New%20Roman%22%3B%0A%09color%3Ablack%3B%0A%09mso-ansi-language%3AFR%3B%7D%0AmsoChpDefault%0A%09%7Bmso-style-type%3Aexport-only%3B%0A%09mso-default-props%3Ayes%3B%0A%09font-size%3A10.0pt%3B%0A%09mso-ansi font size%3A10.0pt%3B%0A%09mso bidi font size%3A10.0pt%3B%7D%0A%40page%20WordSection1%0A%09%7Bsize%3A612.0pt%20792.0pt%3B%0A%09margin%3A70.85pt%2070.85pt%2070.85pt%2070.85pt%3B%0A%09mso header margin%3A36.0pt%3B%0A%09mso footer margin%3A36.0pt%3B%0A%09mso paper source%3A0%3B%7D%0Adiv.WordSection1%0A%09%7Bpage%3AWordSection1%3B%7D%0A%2D%2D%3E--&mp;amp;gt;</p> <p>Rappels d'analyse complexe, applications conformes, transformations homographiques, théorème de l'application conforme de Riemann, méthodes asymptotiques (méthode de Laplace, méthode du col), fonctions spéciales.</p>
Acquis d'apprentissage	<p>Contribution du cours aux acquis d'apprentissage du programme de master en mathématique. Alla fin de cette activité, l'étudiant aura progressé dans sa capacité à :</p> <ul style="list-style-type: none"> (a) Connaître et comprendre un socle fondamental des mathématiques. Il aura notamment développé sa capacité à : i. Reconnaître les concepts fondamentaux d'importantes théories mathématiques actuelles. ii. Etablir les liens principaux entre ces théories. (b) Faire preuve d'abstraction, de raisonnement et d'esprit critique. Il aura notamment développé sa capacité à : i. Dégager les aspects unificateurs de situations et expériences différentes. ii. Raisonneur dans le cadre de la méthode axiomatique. iii. Construire et rédiger une démonstration de façon autonome, claire et rigoureuse.' - Acquis d'apprentissage spécifiques au cours. A la fin de cette activité, l'étudiant sera capable de : (a) Comprendre et utiliser les grands résultats d'analyse complexe. (b) Comprendre la théorie des applications conformes et des transformations homographiques. (c) Construire des applications conformes et bijectives entre des régions simples. <p>Comprendre et utiliser plusieurs méthodes</p> <p><i>La contribution de cette UE au développement et à la maîtrise des compétences et acquis du (des) programme(s) est accessible à la fin de cette fiche, dans la partie « Programmes/formations proposant cette unité d'enseignement (UE) ».</i></p>

Modes d'évaluation des acquis des étudiants :	& mp;#amp;#amp;#amp;#amp;#amp;#amp;#amp;lt;!--{cke_protected}{C}%3C!%2D%2D%0A%20%2F*%20Font%20Definitions%20*%2F%0A%40font-face%0A%09%7Bfont-family%3A%22Cambria%20Math%22%3B%0A%09panose-1%3A2%204%205%203%205%204%206%203%202%204%3B%0A%09mso-font charset%3A1%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-format%3Aother%3B%0A%09mso font-pitch%3Avariable%3B%0A%09mso-font-signature%3A0%200%200%200%200%200%3B%7D%0A%40font-face%0A%09%7Bfont-family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso font charset%3A0%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-pitch%3Aauto%3B%0A%09mso font-signature%3A0%200%200%200%200%200%3B%7D%0A%20%2F*%20Style%20Definitions%20*%2F%0Ap.MsoNormal%2C%20li.MsoNormal%0A%09%7Bmso-style-unhide%3Anew%3B%0A%09mso-style-qformat%3Ayes%3B%0A%09mso-style-parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso-pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font-family%3A%22Times%20New%20Roman%22%3B%0A%09mso-fareast font family%3A%22Times%20New%20Roman%22%3B%0A%09mso-ansi language%3AEN-US%3B%0A%09mso-fareast language%3AEN-US%3B%7D%0Ap.Corporation%2C%20li.Corporation%2C%20div.Corporation%0A%09%7Bmso-style-name%3ACorporation%3B%0A%09mso-style-unhide%3Anew%3B%0A%09mso-style-parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso-pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font size%3A12.0pt%3B%0A%09mso bidi font size%3A10.0pt%3B%0A%09font family%3AHelvetica%3B%0A%09mso fareast font family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso bidi font family%3A%22Times%20New%20Roman%22%3B%0A%09color%3Abblack%3B%0A%09mso ansi language%3AFR%3B%7D%0Ap.MsoChpDefault%0A%09%7Bmso-style-type%3Aexport-only%3B%0A%09mso-default-props%3Ayes%3B%0A%09font-size%3A10.0pt%3B%0A%09mso-ansi-font-size%3A10.0pt%3B%0A%09mso-bidi-font-size%3A10.0pt%3B%0A%09mso font-size%3A10.0pt%3B%0A%09mso-header margin%3A36.0pt%3B%0A%09mso-footer margin%3A36.0pt%3B%0A%09mso-paper-source%3A0%3B%7D%0Adiv.WordSection1%0A%09%7Bpage%3AWordSection1%3B%7D%0A%2D%2D%3E--∓#amp;#amp;#amp;#amp;#amp;#amp;#amp;gt; L'évaluation se fait sur base d'un examen oral et d'un projet fait par l'étudiant pendant le quadrimestre. A l'examen, on teste la connaissance et la compréhension des notions, des méthodes et des résultats vus au cours.
Méthodes d'enseignement :	& mp;#amp;#amp;#amp;#amp;#amp;#amp;#amp;lt;!--{cke_protected}{C}%3C!%2D%2D%0A%20%2F*%20Font%20Definitions%20*%2F%0A%40font-face%0A%09%7Bfont-family%3A%22Cambria%20Math%22%3B%0A%09panose-1%3A2%204%205%203%205%204%206%203%202%204%3B%0A%09mso-font charset%3A1%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-format%3Aother%3B%0A%09mso font-pitch%3Avariable%3B%0A%09mso-font-signature%3A0%200%200%200%200%200%3B%7D%0A%40font-face%0A%09%7Bfont-family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso font charset%3A0%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-pitch%3Aauto%3B%0A%09mso font-signature%3A0%200%200%200%200%200%3B%7D%0A%20%2F*%20Style%20Definitions%20*%2F%0Ap.MsoNormal%2C%20li.MsoNormal%0A%09%7Bmso-style-unhide%3Anew%3B%0A%09mso-style-qformat%3Ayes%3B%0A%09mso-style-parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso-pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font-family%3A%22Times%20New%20Roman%22%3B%0A%09mso-fareast font family%3A%22Times%20New%20Roman%22%3B%0A%09mso-ansi language%3AEN-US%3B%0A%09mso-fareast language%3AEN-US%3B%7D%0Ap.Corporation%2C%20li.Corporation%2C%20div.Corporation%0A%09%7Bmso-style-name%3ACorporation%3B%0A%09mso-style-unhide%3Anew%3B%0A%09mso-style-parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso-pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font size%3A12.0pt%3B%0A%09mso bidi font size%3A10.0pt%3B%0A%09font family%3AHelvetica%3B%0A%09mso fareast font family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso bidi font family%3A%22Times%20New%20Roman%22%3B%0A%09color%3Abblack%3B%0A%09mso ansi language%3AFR%3B%7D%0Ap.MsoChpDefault%0A%09%7Bmso-style-type%3Aexport-only%3B%0A%09mso-default-props%3Ayes%3B%0A%09font-size%3A10.0pt%3B%0A%09mso-ansi-font-size%3A10.0pt%3B%0A%09mso-bidi-font-size%3A10.0pt%3B%0A%09mso font-size%3A10.0pt%3B%0A%09mso-header margin%3A36.0pt%3B%0A%09mso-footer margin%3A36.0pt%3B%0A%09mso-paper-source%3A0%3B%7D%0Adiv.WordSection1%0A%09%7Bpage%3AWordSection1%3B%7D%0A%2D%2D%3E--∓#amp;#amp;#amp;#amp;#amp;#amp;#amp;gt; Le cours est donné sous forme de cours magistral avec participation active de la part des étudiants. Pendant les séances de TP, les étudiants travaillent sur des exercices directement liés à la matière du cours.
Contenu :	& mp;#amp;#amp;#amp;#amp;#amp;#amp;#amp;lt;!--{cke_protected}{C}%3C!%2D%2D%0A%20%2F*%20Font%20Definitions%20*%2F%0A%40font-face%0A%09%7Bfont-family%3A%22Cambria%20Math%22%3B%0A%09panose-1%3A2%204%205%203%205%204%206%203%202%204%3B%0A%09mso-font charset%3A1%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-format%3Aother%3B%0A%09mso font-pitch%3Avariable%3B%0A%09mso-font-signature%3A0%200%200%200%200%200%3B%7D%0A%40font-face%0A%09%7Bfont-family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso font charset%3A0%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso-font-pitch%3Aauto%3B%0A%09mso font-signature%3A0%200%200%200%200%200%3B%7D%0A%20%2F*%20Style%20Definitions%20*%2F%0Ap.MsoNormal%2C%20li.MsoNormal%0A%09%7Bmso-style-unhide%3Anew%3B%0A%09mso-style-qformat%3Ayes%3B%0A%09mso-style-parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso-pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font-family%3A%22Times%20New%20Roman%22%3B%0A%09mso-fareast font family%3A%22Times%20New%20Roman%22%3B%0A%09mso-ansi language%3AEN-US%3B%0A%09mso-fareast language%3AEN-US%3B%7D%0Ap.Corporation%2C%20li.Corporation%2C%20div.Corporation%0A%09%7Bmso-style-name%3ACorporation%3B%0A%09mso-style-unhide%3Anew%3B%0A%09mso-style-parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso-pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font size%3A12.0pt%3B%0A%09mso bidi font size%3A10.0pt%3B%0A%09font family%3AHelvetica%3B%0A%09mso fareast font family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso bidi font family%3A%22Times%20New%20Roman%22%3B%0A%09color%3Abblack%3B%0A%09mso ansi language%3AFR%3B%7D%0Ap.MsoChpDefault%0A%09%7Bmso-style-type%3Aexport-only%3B%0A%09mso-default-props%3Ayes%3B%0A%09font-size%3A10.0pt%3B%0A%09mso-ansi-font-size%3A10.0pt%3B%0A%09mso-bidi-font-size%3A10.0pt%3B%0A%09mso font-size%3A10.0pt%3B%0A%09mso-header margin%3A36.0pt%3B%0A%09mso-footer margin%3A36.0pt%3B%0A%09mso-paper-source%3A0%3B%7D%0Adiv.WordSection1%0A%09%7Bpage%3AWordSection1%3B%7D%0A%2D%2D%3E--∓#amp;#amp;#amp;#amp;#amp;#amp;#amp;gt;

	<p>%3B%7D%0A.MsoChpDefault%0A%09%7Bmso-style-type%3Aexport-only%3B%0A%09mso-default-props%3Ayes%3B%0A%09font-size%3A10.0pt%3B%0A%09mso-ansi-font-size%3A10.0pt%3B%0A%09mso-bidi-font-size%3A10.0pt%3B%7D%0A%40page%20WordSection1%0A%09%7Bsize%3A612.0pt%20792.0pt%3B%0A%09margin%3A70.85pt%2070.85pt%2070.85pt%2070.85pt%3B%0A%09mso-header-margin%3A36.0pt%3B%0A%09mso-footer-margin%3A36.0pt%3B%0A%09mso-paper-source%3A0%3B%7D%0Adiv.WordSection1%0A%09%7Bpage%3AWordSection1%3B%7D%0A%2D%2D%3E--&mp;amp;amp;amp;amp;amp;gt;</p> <p>Les contenus suivants sont abordés dans le cadre du cours.</p> <ul style="list-style-type: none"> (a) rappels de résultats importants d'analyse complexe et quelques compléments (évaluation de sommes infinies par le théorème des résidus, théorème de l'image ouverte, ...). (b) applications conformes: théorie générale, transformations homographiques, théorème de l'application conforme de Riemann. (c) méthodes asymptotiques: séries asymptotiques, méthode de Laplace, méthode du col, formule de Stirling, fonctions spéciales. (d) l'analyse complexe et les méthodes asymptotiques dans la recherche mathématique actuelle.
Bibliographie :	∓amp;amp;amp;amp;amp;amp;lt;!--cke_protected{C}%3C!%2D%2D%0A%20%2F*%20Font%20Definitions%20%2F%0A%40font-face%0A%09%7Bfont-family%3A%22Cambria%20Math%22%3B%0A%09panose-1%3A2%204%205%203%205%204%206%203%202%204%203%20A%09mso-font charset%3A1%3B%0A%09mso-generic-font-family%3Aroman%3B%0A%09mso font format%3Aother%3B%0A%09mso font pitch%3Avariable%3B%0A%09mso font signature%3A0%200%200%200%200%200%203B%7D%0A%40font-face%0A%09%7Bfont-family%3A%22E3%83%92%E3%83%A9%E3%82%AE%E3%83%8E%E8%A7%92%E3%82%B4%20Pro%20W3%22%3B%0A%09mso font charset%3A0%3B%0A%09mso generic font family%3Aroman%3B%0A%09mso font pitch%3Aauto%3B%0A%09mso font signature%3A0%200%200%200%200%200%203B%7D%0A%20%2F%20Style%20Definitions%20%20%2F%0A%09MsoNormal%2C%20li.MsoNormal%2C%20div.MsoNormal%0A%09%7Bmso-style-unhide%3A%09%3B%0A%09mso style parent%3A%22%22%3B%0A%09margin%3A0cm%3B%0A%09margin-bottom%3A.0001pt%3B%0A%09mso pagination%3Awidow-orphan%3B%0A%09font-size%3A12.0pt%3B%0A%09font-family%3A%22Times%20New%20Roman%22%3B%0A%09mso-fareast font family%3A%22Times%20New%20Roman%22%3B%0A%09mso-bidi font family%3A%22Times%20New%20Roman%22%3B%0A%09mso-ansi-language%3AEN-US%3B%0A%09mso-fareast-language%3AEN-US%3B%7D%0A%09color%3Ablack%3B%0A%09mso-ansi-language%3AFR%3B%7D%0A.MsoChpDefault%0A%09%7Bmso-style-type%3Aexport-only%3B%0A%09mso-default-props%3Ayes%3B%0A%09font-size%3A10.0pt%3B%0A%09mso-ansi-font-size%3A10.0pt%3B%0A%09mso-bidi-font-size%3A10.0pt%3B%7D%0A%40page%20WordSection1%0A%09%7Bsize%3A612.0pt%20792.0pt%3B%0A%09margin%3A70.85pt%2070.85pt%2070.85pt%3B%0A%09mso-header-margin%3A36.0pt%3B%0A%09mso-footer-margin%3A36.0pt%3B%0A%09mso-paper-source%3A0%3B%7D%0Adiv.WordSection1%0A%09%7Bpage%3AWordSection1%3B%7D%0A%2D%2D%3E--∓amp;amp;amp;amp;amp;gt; <ul style="list-style-type: none"> - J.B. Conway, Functions of one complex variable. - J.E. Marsden and M.J. Hofman, Basic complex
Cycle et année d'étude:	Master [120] en sciences mathématiques
Faculté ou entité en charge:	MATH