

## Module description

*Field of study HES-SO Business, Management and Services*  
*Degree course Master of Science in Business Administration*

1 <b>Title of module</b>		<b>New Technologies</b>		<b>2024-2025</b>
<b>Code</b> E.MScBA.390.TC - 2.4.E.24	<b>Type of course *</b> <input type="checkbox"/> Bachelor's <input checked="" type="checkbox"/> Master's <input type="checkbox"/> MAS <input type="checkbox"/> EMBA <input type="checkbox"/> DAS <input type="checkbox"/> CAS <input type="checkbox"/> other			
<b>Level</b> <input type="checkbox"/> Basic module <input checked="" type="checkbox"/> Further studies module <input type="checkbox"/> Advanced module <input type="checkbox"/> Specialised module	<b>Description</b> <input checked="" type="checkbox"/> In the case of definitive failure in a module defined as compulsory for successfully completing the course profile in question, the student shall be excluded from the degree programme, or from the faculty, if this is provided by the course regulations in accordance with Article 32 of the Regulations relating to first-cycle and second-cycle degrees (Bachelor's and Master's) at the HES-SO	<b>Type of module</b> <input checked="" type="checkbox"/> Main module <input type="checkbox"/> Module linked to main module <input type="checkbox"/> Optional or subsidiary module	<b>Time schedule</b> <input type="checkbox"/> Module over 1 semester <input type="checkbox"/> Module over 2 semesters <input checked="" type="checkbox"/> Spring semester <input type="checkbox"/> Autumn semester <input type="checkbox"/> Autres	
<b>2 Organisation</b>				
<b>ECTS Value</b> 5	<b>Language</b> <input checked="" type="checkbox"/> English <input type="checkbox"/> English - Russian <input type="checkbox"/> French - English <input type="checkbox"/> French - German - English <input type="checkbox"/> German - English	<input type="checkbox"/> English - Chinese <input type="checkbox"/> French <input type="checkbox"/> French - German <input type="checkbox"/> German		
<b>3 Prerequisites</b>				
<input type="checkbox"/> The following module(s) must have been validated <input type="checkbox"/> The following module(s) must have been attended <input checked="" type="checkbox"/> none <input type="checkbox"/> other				
<b>Other prerequisites</b>				
<b>4 Skills to be gained / general learning objectives</b>				
<p>This course discusses the opportunities and challenges of digitalization presenting the new digital technologies and their impact on business and society.</p> <p>More specifically, this course introduces the concept of future technology analysis and some of its methodologies, which are intended be used as lens to analyze current emerging technologies and to predict their impact on the organization of companies, as well as on the creation of value via the development of products and services.</p>				
<b>5 Teaching and content</b>				
<ul style="list-style-type: none"> <li>- Digital transformation: change management, automation, new business models</li> <li>- New forms of human-computer interaction (AR, VR, Mixed Reality) and ubiquitous computing</li> <li>- Information systems: cloud computing, fog computing and edge computing</li> <li>- Internet of Things (IoT) and Smart Cities</li> <li>- Blockchain</li> <li>- Artificial Intelligence</li> <li>- User experience and servicification</li> <li>- Introduction to future technology analysis, which will be the lens to analyze the current emerging technologies</li> <li>- Brain-computer interfaces</li> </ul>				
<b>6 Assessment and validation methods</b>				
Un examen écrit de 90 minutes à la fin du module (50%) Travail en groupe (50%)				
En cas de remédiation, l'épreuve peut être organisée sous forme d'examen oral.				
<b>7 Reassessment requirements *</b>		<b>7a Reassessment requirements (if module is repeated) *</b>		
<input type="checkbox"/> reassessment possible <input checked="" type="checkbox"/> no reassessment <input type="checkbox"/> other (please specify below)		<input type="checkbox"/> reassessment possible <input checked="" type="checkbox"/> no reassessment <input type="checkbox"/> other (please specify below)		
<b>other reassessment modalities</b>				
<b>8 Remarks</b>				
<b>9 Bibliography</b>				
<b>10 Teaching staff</b>				
<b>Name of head of module *</b> Maurizio Caon				

