**Studies Plan**

**Management, technologie et entrepreneuriat 2017-18**

**Master project**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
<th>Section</th>
<th>Teacher</th>
<th>Specialization</th>
<th>Master 1</th>
<th>Master 2</th>
<th>Exam Session</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering internship credited with master project (master in Management of Technology and Entrepreneurship)</td>
<td>E</td>
<td>MGT-537</td>
<td>MTE</td>
<td>Profs divers</td>
<td>320h</td>
<td>320h</td>
<td>Sum</td>
<td>Win</td>
</tr>
</tbody>
</table>

**Block 1**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
<th>Section</th>
<th>Teacher</th>
<th>Specialization</th>
<th>Master 1</th>
<th>Master 2</th>
<th>Exam Session</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied corporate &amp; industry analysis (MTE master only)</td>
<td>E</td>
<td>MGT-410</td>
<td>MTE</td>
<td>De Groot</td>
<td>2h</td>
<td>Sum</td>
<td>During the semester</td>
<td>2</td>
</tr>
<tr>
<td>Applied probability &amp; stochastic processes</td>
<td>E</td>
<td>MGT-484</td>
<td>MTE</td>
<td>Rujeerapaiboon</td>
<td>2h</td>
<td>Win</td>
<td>Written</td>
<td>4</td>
</tr>
<tr>
<td>Financial &amp; managerial accounting</td>
<td>E</td>
<td>MGT-481</td>
<td>MTE</td>
<td>Cauvin</td>
<td>3h</td>
<td>Win</td>
<td>Written</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to econometrics</td>
<td>E</td>
<td>MGT-581</td>
<td>MTE</td>
<td>de Rassenfosse</td>
<td>2h</td>
<td>2h</td>
<td>Sum</td>
<td>Written</td>
</tr>
<tr>
<td>Principles of finance</td>
<td>E</td>
<td>MGT-482</td>
<td>MTE</td>
<td>Morellec</td>
<td>2h</td>
<td>2h</td>
<td>Win</td>
<td>Written</td>
</tr>
<tr>
<td>Principles of microeconomics</td>
<td>E</td>
<td>MGT-454</td>
<td>MTE</td>
<td>Mack</td>
<td>3h</td>
<td>1h</td>
<td>Win</td>
<td>Written</td>
</tr>
<tr>
<td>HSS : Introduction to project</td>
<td>E</td>
<td>SHS</td>
<td>Win</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HSS : Project</td>
<td>E</td>
<td>SHS</td>
<td>Sum</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Group 1**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
<th>Section</th>
<th>Teacher</th>
<th>Specialization</th>
<th>Master 1</th>
<th>Master 2</th>
<th>Exam Session</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Network Tour of Data Science</td>
<td>E</td>
<td>EE-558</td>
<td>EL</td>
<td>Frossard</td>
<td>2h</td>
<td>2h</td>
<td>Win</td>
<td>During the semester</td>
</tr>
<tr>
<td>Applied data analysis</td>
<td>E</td>
<td>CS-401</td>
<td>SC</td>
<td>West</td>
<td>2h</td>
<td>2h</td>
<td>Win</td>
<td>Written</td>
</tr>
<tr>
<td>Corporate strategy</td>
<td>E</td>
<td>MGT-400</td>
<td>MTE</td>
<td>Strecken</td>
<td>3h</td>
<td>Win</td>
<td>During the semester</td>
<td>4</td>
</tr>
<tr>
<td>D. Thinking: real problems, human-focused solutions</td>
<td>E</td>
<td>MGT-409</td>
<td>MTE</td>
<td>Tucci</td>
<td>3h</td>
<td>2h</td>
<td>Win</td>
<td>During the semester</td>
</tr>
<tr>
<td>Data science for business</td>
<td>E</td>
<td>MGT-432</td>
<td>MTE</td>
<td>Younger</td>
<td>3h</td>
<td>Win</td>
<td>Written</td>
<td>4</td>
</tr>
<tr>
<td>Data science in practice</td>
<td>E</td>
<td>MGT-415</td>
<td>MTE</td>
<td>Bruffaerts</td>
<td>2h</td>
<td>Sum</td>
<td>During the semester</td>
<td>2</td>
</tr>
<tr>
<td>Economics of innovation and IP</td>
<td>E</td>
<td>MGT-404</td>
<td>MTE</td>
<td>de Rassenfosse</td>
<td>3h</td>
<td>Sum</td>
<td>Oral</td>
<td>4</td>
</tr>
<tr>
<td>Entrepreneurship &amp; new venture strategy</td>
<td>E</td>
<td>MGT-413</td>
<td>MTE</td>
<td>Binder</td>
<td>3h</td>
<td>Win</td>
<td>During the semester</td>
<td>4</td>
</tr>
<tr>
<td>Entrepreneurship laboratory (e-lab)</td>
<td>E</td>
<td>MGT-517</td>
<td>MTE</td>
<td>Lebret</td>
<td>2h</td>
<td>1h</td>
<td>Win</td>
<td>During the semester</td>
</tr>
<tr>
<td>Course Title</td>
<td>Code</td>
<td>Credit</td>
<td>Sessions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------------------------</td>
<td>-------</td>
<td>--------</td>
<td>---------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry dynamics, models &amp; trends</td>
<td>MGT-453</td>
<td>3h</td>
<td>Sum During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information : strategy &amp; economics</td>
<td>MGT-431</td>
<td>3h</td>
<td>Sum During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Innovation management</td>
<td>MGT-411</td>
<td>3h</td>
<td>Sum Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Logistics and demand analysis</td>
<td>MGT-426</td>
<td>2h</td>
<td>Sum During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Machine learning</td>
<td>CS-433</td>
<td>4h</td>
<td>Sum Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics of data: from theory to computation</td>
<td>EE-556</td>
<td>2h</td>
<td>Sum During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network analytics</td>
<td>MGT-416</td>
<td>2h</td>
<td>Sum During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations: economics &amp; strategy</td>
<td>MGT-528</td>
<td>3h</td>
<td>Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optimal decision making</td>
<td>MGT-483</td>
<td>2h</td>
<td>Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Production management</td>
<td>ME-419</td>
<td>2h</td>
<td>Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project management and risk analysis</td>
<td>MGT-427</td>
<td>2h</td>
<td>Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quantitative systems modeling techniques</td>
<td>MGT-430</td>
<td>3h</td>
<td>Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simulation and optimisation of industrial applications</td>
<td>ME-499</td>
<td>2h</td>
<td>Sum During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statistics for data science</td>
<td>MATH-413</td>
<td>4h</td>
<td>Win Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strategic marketing &amp; technology commercialization</td>
<td>MGT-401</td>
<td>3h</td>
<td>Win During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply chain management</td>
<td>MGT-526</td>
<td>3h</td>
<td>Sum During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technology &amp; innovation strategy</td>
<td>MGT-414</td>
<td>3h</td>
<td>Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value chain management in practice</td>
<td>MGT-417</td>
<td>3h</td>
<td>Written</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Venture capital</td>
<td>FIN-522</td>
<td>3h</td>
<td>Win During the semester</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Group 2**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Code</th>
<th>Credit</th>
<th>Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2B - high-tech marketing</td>
<td>MGT-402</td>
<td>3h</td>
<td>Win Written</td>
</tr>
<tr>
<td>Corporate governance</td>
<td>MGT-552</td>
<td>3h</td>
<td>Sum During the semester</td>
</tr>
<tr>
<td>Economics of innovation &amp; management in energy</td>
<td>MGT-407</td>
<td>2h</td>
<td>Sum During the semester</td>
</tr>
<tr>
<td>Environmental policy</td>
<td>MGT-433</td>
<td>3h</td>
<td>Win Written</td>
</tr>
<tr>
<td>Global business environment</td>
<td>FIN-523</td>
<td>2h</td>
<td>Win During the semester</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Instructor</th>
<th>Credits</th>
<th>Type</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information technology and digital strategy</td>
<td>MGT-439</td>
<td>Viscusi</td>
<td>2h</td>
<td>Win</td>
<td>During the 2 semester</td>
</tr>
<tr>
<td>Leading and managing in a global context</td>
<td>MGT-468</td>
<td>Winzenried</td>
<td>3h</td>
<td>Sum</td>
<td>During the 4 semester</td>
</tr>
<tr>
<td>Negotiation techniques</td>
<td>MGT-466</td>
<td>Canning-Wackett</td>
<td>1h</td>
<td>Win</td>
<td>During the 2 semester</td>
</tr>
<tr>
<td>Organizational behavior</td>
<td>MGT-412</td>
<td>Bubenzer</td>
<td>2h</td>
<td>Sum</td>
<td>During the 2 semester</td>
</tr>
<tr>
<td>Practical business law</td>
<td>MGT-455</td>
<td>Cherpillod</td>
<td>3h</td>
<td>Sum</td>
<td>Written 4</td>
</tr>
<tr>
<td>Presentation skills</td>
<td>MGT-469</td>
<td>Everett</td>
<td>1h</td>
<td>Win</td>
<td>During the 2 semester</td>
</tr>
<tr>
<td>Technology policy and the energy transition</td>
<td>MGT-408</td>
<td>Foray</td>
<td>2h</td>
<td>Win</td>
<td>During the 2 semester</td>
</tr>
</tbody>
</table>