# Studies Plan

## Management, technologie et entrepreneuriat 2017-18

### Master project

<table>
<thead>
<tr>
<th>Language Code</th>
<th>Section</th>
<th>Teacher/Prof</th>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>MGT-537</td>
<td>Profs divers</td>
<td>Engineering internship credited with master project (master in Management of Technology and Entrepreneurship)</td>
<td>320h Win</td>
</tr>
<tr>
<td>E</td>
<td>MGT-599</td>
<td>Profs divers</td>
<td>Master project in Management of Technology</td>
<td>900h Win</td>
</tr>
</tbody>
</table>

### Block 1

<table>
<thead>
<tr>
<th>Language Code</th>
<th>Section</th>
<th>Teacher/Prof</th>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>MGT-410</td>
<td>De Groot</td>
<td>Applied corporate &amp; industry analysis (MTE master only)</td>
<td>2h During the semester</td>
</tr>
<tr>
<td>E</td>
<td>MGT-484</td>
<td>Rujeerapiboon</td>
<td>Applied probability &amp; stochastic processes</td>
<td>2h Win Written 4</td>
</tr>
<tr>
<td>E</td>
<td>MGT-481</td>
<td>Cauvin</td>
<td>Financial &amp; managerial accounting</td>
<td>3h Win Written 4</td>
</tr>
<tr>
<td>E</td>
<td>MGT-581</td>
<td>de Rassenfosse</td>
<td>Introduction to econometrics</td>
<td>2h 2h Win Written 4</td>
</tr>
<tr>
<td>E</td>
<td>MGT-452</td>
<td>Morellec</td>
<td>Principles of finance</td>
<td>2h 2h Win Written 4</td>
</tr>
<tr>
<td>E</td>
<td>MGT-454</td>
<td>Mack</td>
<td>Principles of microeconomics</td>
<td>3h 1h Win Written 4</td>
</tr>
<tr>
<td>E</td>
<td>SHS</td>
<td></td>
<td>HSS : Introduction to project</td>
<td>Win 3</td>
</tr>
</tbody>
</table>

### Group 1

<table>
<thead>
<tr>
<th>Language Code</th>
<th>Section</th>
<th>Teacher/Prof</th>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>EE-558</td>
<td>Frossard</td>
<td>A Network Tour of Data Science</td>
<td>2h 2h Win During the semester</td>
</tr>
<tr>
<td>E</td>
<td>CS-401</td>
<td>West</td>
<td>Applied data analysis</td>
<td>2h 2h Win Written 6</td>
</tr>
<tr>
<td>E</td>
<td>MGT-400</td>
<td>Strecker</td>
<td>Corporate strategy</td>
<td>3h Win During the semester</td>
</tr>
<tr>
<td>E</td>
<td>MGT-409</td>
<td>Tucci</td>
<td>D. Thinking: real problems, human-focused solutions</td>
<td>3h 2h Win During the semester</td>
</tr>
<tr>
<td>E</td>
<td>MGT-432</td>
<td>Younger</td>
<td>Data science for business</td>
<td>3h Win Written 4</td>
</tr>
<tr>
<td>E</td>
<td>MGT-415</td>
<td>Bruffaert</td>
<td>Data science in practice</td>
<td>2h Sum During the 2 semester</td>
</tr>
<tr>
<td>E</td>
<td>MGT-404</td>
<td>de Rassenfosse</td>
<td>Economics of innovation and IP</td>
<td>3h Sum Oral 4</td>
</tr>
<tr>
<td>E</td>
<td>MGT-413</td>
<td>Binder</td>
<td>Entrepreneurship &amp; new venture strategy</td>
<td>3h During the semester</td>
</tr>
</tbody>
</table>
## Entrepreneurship laboratory (e-lab)
- **E MGT-517**
  - Time: 2h, 1h
  - Session: Win
  - Semester: During

## Industry dynamics, models & trends
- **E MGT-453**
  - Time: 3h
  - Session: Sum
  - Semester: During

## Information : strategy & economics
- **E MGT-431**
  - Time: 3h
  - Session: Sum
  - Semester: During

## Innovation management
- **E MGT-411**
  - Time: 3h
  - Session: Written
  - Semester: 4

## Logistics and demand analysis
- **F MGT-426**
  - Time: 2h, 1h
  - Session: Sum
  - Semester: During

## Machine learning
- **E CS-433**
  - Time: 4h
  - Session: Win
  - Semester: Written

## Mathematics of data: from theory to computation
- **E EE-556**
  - Time: 2h, 2h
  - Session: Win
  - Semester: During

## Network analytics
- **E MGT-416**
  - Time: 2h, 1h
  - Session: Win
  - Semester: During

## Operations: economics & strategy
- **E MGT-528**
  - Time: 3h
  - Session: Written
  - Semester: 4

## Optimal decision making
- **E MGT-483**
  - Time: 2h
  - Session: Win
  - Semester: Written

## Production management
- **E ME-419**
  - Time: 2h
  - Session: Written
  - Semester: 5

## Project management and risk analysis
- **E MGT-427**
  - Time: 2h
  - Session: Win
  - Semester: During

## Quantitative systems modeling techniques
- **E MGT-430**
  - Time: 3h
  - Session: Sum
  - Semester: Written

## Simulation and optimisation of industrial applications
- **E ME-499**
  - Time: 2h
  - Session: Sum
  - Semester: During

## Statistics for data science
- **E MATH-413**
  - Time: 4h
  - Session: Win
  - Semester: Written

## Strategic marketing & technology commercialization
- **E MGT-401**
  - Time: 3h
  - Session: Win
  - Semester: During

## Supply chain management
- **E MGT-526**
  - Time: 3h
  - Session: Sum
  - Semester: During

## Technology & innovation strategy
- **E MGT-414**
  - Time: 3h
  - Session: Written
  - Semester: 4

## Value chain management in practice
- **E MGT-417**
  - Time: 3h
  - Session: Win
  - Semester: During

## Venture capital
- **E FIN-522**
  - Time: 3h
  - Session: Win
  - Semester: During

### Group 2

<table>
<thead>
<tr>
<th>Courses</th>
<th>Master 1</th>
<th>Master 2</th>
<th>Exam Session</th>
<th>Exam</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Code</td>
<td>Section</td>
<td>TeacherSpecialization</td>
<td>p</td>
<td>e</td>
<td>l</td>
</tr>
<tr>
<td>B2B - high-tech marketing</td>
<td>MGT-402</td>
<td>MTE</td>
<td>3h</td>
<td>Win</td>
<td>Written</td>
</tr>
<tr>
<td>Corporate governance</td>
<td>MGT-552</td>
<td>MTE</td>
<td>Finger</td>
<td>3h</td>
<td>Sum</td>
</tr>
<tr>
<td>Economics of innovation &amp; management in energy</td>
<td>MGT-407</td>
<td>MTE</td>
<td>Jaag</td>
<td>2h</td>
<td>Sum</td>
</tr>
<tr>
<td>Environmental policy</td>
<td>MGT-433</td>
<td>MTE</td>
<td>Oberle</td>
<td>3h</td>
<td>Win</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Lecture</th>
<th>Pract.</th>
<th>Type</th>
<th>Credit</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global business environment</td>
<td>FIN-523</td>
<td>IF</td>
<td></td>
<td></td>
<td></td>
<td>Win</td>
</tr>
<tr>
<td>Information technology and digital strategy</td>
<td>MGT-439</td>
<td>MTE</td>
<td></td>
<td></td>
<td>2h</td>
<td>Win</td>
</tr>
<tr>
<td>Leading and managing in a global context</td>
<td>MGT-468</td>
<td>MTE</td>
<td></td>
<td></td>
<td>3h</td>
<td>Sum</td>
</tr>
<tr>
<td>Negotiation techniques</td>
<td>MGT-466</td>
<td>MTE</td>
<td></td>
<td></td>
<td>1h</td>
<td>Win</td>
</tr>
<tr>
<td>Organizational behavior</td>
<td>MGT-412</td>
<td>MTE</td>
<td></td>
<td></td>
<td>2h</td>
<td>Sum</td>
</tr>
<tr>
<td>Practical business law</td>
<td>MGT-455</td>
<td>MTE</td>
<td></td>
<td></td>
<td>3h</td>
<td>Written</td>
</tr>
<tr>
<td>Presentation skills</td>
<td>MGT-469</td>
<td>MTE</td>
<td></td>
<td></td>
<td>1h</td>
<td>Win</td>
</tr>
<tr>
<td>Technology policy and the energy transition</td>
<td>MGT-408</td>
<td>MTE</td>
<td></td>
<td></td>
<td>2h</td>
<td>Win</td>
</tr>
</tbody>
</table>

C : Courses, E : Exercise, P : Pract courses, * : option courses / F : French courses, D : Deutsch courses, E : English Courses / Sum : Summer, Win : Winter