## Studies Plan

### Management, technologie et entrepreneuriat 2020-21

#### Master project

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
<th>Section</th>
<th>Master 1</th>
<th>Master 2</th>
<th>MP Autumn</th>
<th>MP Spring</th>
<th>Exam Session</th>
<th>Exam</th>
<th>Credit</th>
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<tbody>
<tr>
<td>Engineering internship credited with master project (master in Management of Technology and Entrepreneurship)</td>
<td>E</td>
<td>MGT-597</td>
<td>MTE</td>
<td>Prof divers</td>
<td>320h</td>
<td>320h</td>
<td>320h</td>
<td>320h</td>
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<tr>
<td>Master project in Management of Technology</td>
<td>E</td>
<td>MGT-599</td>
<td>MTE</td>
<td>Prof divers</td>
<td>900h</td>
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<td>Sum Win</td>
<td>Oral</td>
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#### Block 1

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
<th>Section</th>
<th>Master 1</th>
<th>Master 2</th>
<th>Exam Session</th>
<th>Exam</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>Accounting for finance</td>
<td>E</td>
<td>FIN-411</td>
<td>IF</td>
<td>Cauvin</td>
<td>2h</td>
<td>Win</td>
<td>Written</td>
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<tr>
<td>Applied corporate &amp; industry analysis</td>
<td>E</td>
<td>MGT-410</td>
<td>MTE</td>
<td>De Groot</td>
<td>1h</td>
<td>2h</td>
<td>Sum</td>
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<tr>
<td>Applied probability &amp; stochastic processes</td>
<td>E</td>
<td>MGT-484</td>
<td>MTE</td>
<td>Kiyavash</td>
<td>2h</td>
<td>2h</td>
<td>Win</td>
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<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>
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<tr>
<td>Introduction to econometrics</td>
<td>E</td>
<td>MGT-581</td>
<td>MTE</td>
<td>de Rassenfosse</td>
<td>2h</td>
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<tr>
<td>Principles of finance</td>
<td>E</td>
<td>MGT-452</td>
<td>MTE</td>
<td>Morellec</td>
<td>2h</td>
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<td>Win</td>
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<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>
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<tr>
<td>HSS : Introduction to project</td>
<td>E</td>
<td>HSS</td>
<td>SHS</td>
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<tr>
<td>HSS : Project</td>
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<td>HSS</td>
<td>SHS</td>
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#### Group 1

<table>
<thead>
<tr>
<th>Courses</th>
<th>Language Code</th>
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<th>Master 1</th>
<th>Master 2</th>
<th>Exam Session</th>
<th>Exam</th>
<th>Credit</th>
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</thead>
<tbody>
<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>
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<tr>
<td>Continuous improvement of manufacturing systems</td>
<td>E</td>
<td>ME-498</td>
<td>GM</td>
<td>Kaboli</td>
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<tr>
<td>Convex optimization</td>
<td>E</td>
<td>MGT-418</td>
<td>MTE</td>
<td>Kuhn</td>
<td>2h</td>
<td>2h</td>
<td>Win</td>
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<tr>
<td>Corporate strategy</td>
<td>E</td>
<td>MGT-400</td>
<td>MTE</td>
<td>Strecke</td>
<td>3h</td>
<td>Win</td>
<td>During the semester</td>
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<tr>
<td>D. Thinking: real problems, human-focused solutions</td>
<td>E</td>
<td>MGT-409</td>
<td>MTE</td>
<td>Flores Pineda</td>
<td>3h</td>
<td>2h</td>
<td>Win</td>
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<tr>
<td>Data science for business</td>
<td>E</td>
<td>MGT-432</td>
<td>MTE</td>
<td>Younge</td>
<td>3h</td>
<td>1h</td>
<td>Win</td>
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<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>
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</table>

Entrepreneurship & new venture strategy  
MGT-413  MTE  
Bavato  
3h  Sum  During the semester  

Fundamentals of machine learning  
EE-311  EL  
Fleuret  Liebling  
2h  2h  Sum  Written  

Information: strategy & economics  
MGT-431  MTE  
3h  Sum  During the semester  

Innovation & entrepreneurship in engineering  
MGT-555  MTE  
Michaletz  Profs divers Weber  
2h  8h  Win  During the semester  

Innovation management  
MGT-411  MTE  
Peters  
3h  Sum  Written  

Logistics and demand analysis  
MGT-426  MTE  
Wieser  
2h  1h  Sum  During the semester  

Machine learning  
CS-433  IN  
Flammarion Jaggi  
4h  2h  Win  Written  

Mathematics of data: from theory to computation  
EE-556  EL  
Cevher  
2h  2h  Win  Written  

Operations: economics & strategy  
MGT-528  MTE  
Weber  
3h  Win  Written  

Optimal decision making  
MGT-453  MTE  
Kuhn  
2h  2h  Sum  Written  

Production management  
ME-419  GM  
Kabolii  
2h  2h  Win  During the semester  

Project management and risk analysis  
MGT-427  MTE  
Wieser  
2h  1h  Win  Written  

Statistical inferences and machine learning  
MGT-448  MTE  
Kiyavash  
2h  2h  Win  Written  

Statistics for data science  
MATH-413  MA  
Olhede  
4h  2h  Win  Written  

Strategic marketing & technology commercialization  
MGT-401  MTE  
Eckardt  
3h  Win  During the semester  

Supply chain management  
MGT-526  MTE  
Seifert  
3h  Sum  During the semester  

Technology & innovation strategy  
MGT-414  MTE  
Younge  
3h  Win  During the semester  

Value chain management in practice  
MGT-417  MTE  
Riboni  
3h  Win  During the semester  

Venture capital  
FIN-522  IF  
Fahrenheit  
3h  Win  Written  

Group 2

Language Code  Section  Teacher Specialization  Master 1  Master 2  Exam Session  Exam  Credit

Energy supply, economics and transition  
ENG-410  SIE  Baliff Binder Signer Thalmann  
2h  Sum  Written  2  

Global business environment  
FIN-523  IF  Lambertini  
2h  1h  Win  Written  4  

Intercultural presentation skills  
MGT-469  MTE  Everett  
1h  1h  Win  During the semester  

Leading and managing in a global context  
MGT-468  MTE  Winzenried  
3h  Sum  During the semester  

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Type</th>
<th>Instructor</th>
<th>Credits</th>
<th>Grade</th>
<th>Week</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Negotiation techniques</td>
<td>MGT-466</td>
<td>MTE</td>
<td>Canning Wacker</td>
<td>1h</td>
<td>1h</td>
<td>Win</td>
<td>During the 2 semester</td>
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<tr>
<td>Practical business law</td>
<td>MGT-455</td>
<td>MTE</td>
<td>Cherpillod</td>
<td>3h</td>
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<td>Sum</td>
<td>Written 4</td>
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<tr>
<td>Technology policy and the energy transition</td>
<td>MGT-408</td>
<td>MTE</td>
<td>Foray</td>
<td>2h</td>
<td></td>
<td>Win</td>
<td>During the 2 semester</td>
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