

MGT-487

**Complex problem solving in organizations**

Chevallier Arnaud

Cursus	Sem.	Type
Managmt, dur et tech	MA2	Obl.

Language of teaching	English
Credits	2
Withdrawal	Unauthorized
Session	Summer
Semester	Spring
Exam	During the semester
Workload	60h
Weeks	14
Hours	<b>1 weekly</b>
Courses	1.14 weekly
Number of positions	<b>32</b>

**It is not allowed to withdraw from this subject after the registration deadline.**

**Remark**

Cours donné sur le campus IMD

**Summary**

As a professional and eventually an executive, you will face a variety of complex problems that require you to think strategically. This course enables you to develop your strategic thinking by giving you a step-by-step process and actionable tools applicable to any complex challenge.

**Content**

This course enables you to improve your problem-solving skills throughout the entire journey, including:

- Framing, where you identify what the problem is
- Exploring, where you identify potential solutions as well as what matters to you and your stakeholders
- Deciding, where you select the solution that, overall, best meets your needs.

**Keywords**

strategy  
strategic thinking  
decision-making  
problem solving

**Learning Outcomes**

By the end of the course, the student must be able to:

- Establish a comprehensive problem-solving approach
- Restate the perceived problem in a synthetic frame
- Analyze the root causes of the problem and update the frame accordingly
- Construct a clear map of the set of potential solutions
- Structure the analysis of the potential solutions
- Decide which solution offers the best tradeoffs
- Synthesize the analysis in a compelling argument

**Transversal skills**

- Access and evaluate appropriate sources of information.
- Continue to work through difficulties or initial failure to find optimal solutions.
- Demonstrate a capacity for creativity.
- Demonstrate the capacity for critical thinking

### Teaching methods

This course uses a mix of flipped lectures (videos), class discussions, and projects

### Assessment methods

Class participation, including contributions to help others (in your group and other groups) ### 20% (individual)

Quality of report for Frame analysis ### 15% (group)

Quality of report for Explore analysis ### 15% (group)

Quality of report for Decide analysis ### 15% (group)

Quality of synthesis report ### 15% (group)

Final reflection on key learnings and action plan moving ahead ### 20% (individual)

### Resources

#### Virtual desktop infrastructure (VDI)

No

### Bibliography

Chevallier, A. (2016). Strategic thinking in complex problem solving. Oxford, UK, Oxford University Press.

### Ressources en bibliothèque

- [Strategic Thinking in Complex Problem Solving / Chevallier](#)

### Websites

- <http://clearerthinking.org>
- <http://powerful-problem-solving.com>