

Decision aiding : procedures, models and approaches

**ECTS** : 20

**Volume horaire** : 30

**Description du contenu de l'enseignement :**

This research seminar is centred on themes linked to decision aiding that may vary from year to year. For instances, these themes may include: Themes are chosen each year depending on the wishes of students and the availability of internships. Students attending this research seminar as a major present the evolution of their internship. Students attending this research seminar as a minor are involved through the critical analysis or research articles, performing experiments, implementing techniques. They are also invited to suggest personal research topics. Students attending this research seminar are expected to play an active role. They present the evolution of their own topic but also discuss the topics of the other students. dealing with a practical decision aiding problem linked to an internship,

- theoretical or experimental comparison of various techniques or approaches,
- studying new decision aiding techniques, especially techniques dealing with multiple criteria,
- axiomatic and theoretical developments motivated by decision aiding problems or techniques,
- investigating general research questions, e.g., properly taking imprecision or uncertainty into account or the development and validation of elicitation techniques.

**Compétence à acquérir :**

The main objective of the research seminar is to introduce students to the process and practice of conducting research.

**Mode de contrôle des connaissances :**

Students enrolled in this research workshop as **amajor** are required to present the progress of their internship work three times over the course of their 5–6 month placement. They must also submit a report at the beginning of September and defend their work in mid-September. 20 credits as a major

Students enrolled as a **minor** are required to present their progress twice and submit a short report at the beginning of July. 5 credits as a minor.

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