- Faculté des sciences
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R&D Workshop (3IN2043)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en informatique	**Cours: 4 ph**	**controle continu: 1**	10

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Printemps

Equipe enseignante:

Coordinator: Dr Hugues Mercier
Co-instructors: Prof Peter Kropf and Prof Jacques Savoy

Objectifs:

The first part of the workshop is a practical R&D project. The principal objective is to apply the knowledge and skills that the students acquired in their classes by elaborating solutions for real-life practical problems presented by various clients.

The second part of the workshop is an introduction to scientific research. Each student will be paired with a researcher in Computer Science and work on a small research project. This may include reading scientific articles on a given topic, extending an existing algorithm, do a comprehensive survey of the state of the art techniques in a specific field, … The students will write a short scientific article and present their results in class at the end of the semester. Even though there is no unique correct way to conduct scientific research, the main objective is to present general methods and skills that will help the students do research efficiently.

Contenu:

The R&D workshop is based on a problem solving approach and includes a practical R&D project and a scientific research project. The presentations and discussions of the advancement of both projects in class are an integral part of the course.

Forme de l'évaluation:

Oral presentations, written reports and research articles, project deliverables, evaluation from the project supervisors.