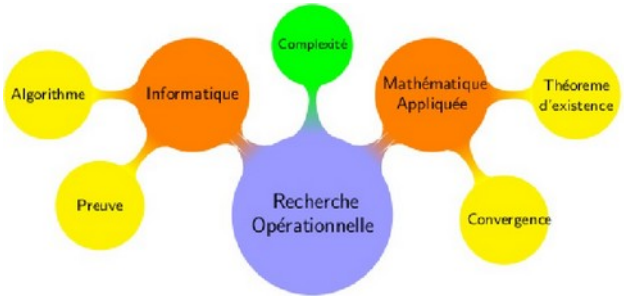
Mouloud Mammeri University of Tizi-Ouzou
Mathematics and Computer Science Domain
Mathematics stream

Academic Master

Operational Research



Training Objective

The course offers teachings covering the following areas: operational research, applied mathematics and computer science. Its aims are to train researchers and professionals which will be able to solve problems in their entirety by following a scientific approach: modelling, analysis, resolution, and performance evaluation.

This training is therefore distinguished by a fairly broad field of knowledge and proximity to the problems of companies (practical work on concrete problems) and research (acquisition of advanced academic knowledge, introduction to research, and proximity to laboratory researchers).

The student who has taken this training will be able to:

1. Use his knowledge in the socio-professional field: he will contribute to improve the management, the performance, the productivity of any company; to design a models, test and evaluate its performance.

2. Pursue doctoral studies by preparing a thesis at a national university or research center.

Target profiles and competencies

The operational research master is an excellent preparatory training for a research project as part of a doctoral thesis in a research laboratory. Some or almost of the majority courses are clearly application-oriented and can, after the Master, find outlets opportunities in company. The outlets are therefore mainly oriented towards:

- higher education.
- research centers,
- consultancy firms and consultancy firms,
- the functional and study departments of enterprises and administrations,
- computer service companies specializing in decision-making,
- industries.

Regional and national employability potential

For the student who has decided to use his master's degree in the world of work, several possibilities are offered:

- Regional companies: NAFTAL, ENIEM, SONALGAZ, Wilaya companies, private companies, etc..
- National companies: SONATRACH and its subsidiaries, major road works, etc..

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