MACRO PROJECT I

The relation between learning processes and educational practices

Area of research I

Educational Practices and Learning Processes in Science, Mathematics and Technology Education

Macro project I description

Macro project I approaches a collection of investigation views that are present in institutional research projects, internally approved by UDESC and/or agencies that support research in the state or nationally. All the projects keep close relation with the area of research “Educational practices and learning processes in teaching sciences, mathematics and technologies” and are coordinated by researchers registered at PPGECMT. These projects favor researches whose team includes Master’s students, scientific initiation and fellow teachers of the program. Aiming at the unification and systematization of the common research fronts, this macro project is presented as a means to support investigations, studies and the development of Educational Products that include:

- Investigations and productions of didactic-pedagogical resources, didactic sequences and/or evaluation of educational practices and learning processes based and analyzed under didactic-pedagogical view.
- Studies and investigations on conceptual, pedagogical, cognitive and affective aspects.
- Studies and investigations on the influence of the school environment, including factors like social inequality, learning difficulties, the use of technologies and of educational policies in teaching and learning processes of knowledge objects.
- Investigations and development of educational products that can contribute to teaching and learning processes through the implementation of collective work, of approaches that favor the relation between theory and practice, that lead to immersion into the scientific culture and into methodologies that develop the student’s intellectual autonomy.
- Analysis and reflections on aspects of cognition, motivation and of education practices in the classroom and through approaches to the student’s reality and context, using information and communication technology, aiming at the comprehension of the knowledge objects.

- Studies and investigations of evaluation phenomena in teaching-learning processes of science, mathematics and technology

Team of Teachers/Researches of the macro project I

Alex Bellucco do Carmo

Avanilde Kemczinski

Brenno Ralf Maciel Oliveira

Carlos Raphael Rocha

Débora Barni de Campos

Elisa Henning

Fabíola Sucupira Ferreira Sell

Isabela Gasparini

Ivanete Zuchi Siple

Ivani Teresinha Lawall

Kariston Pereira

Luiz Clement

Maria da Graça Moraes Braga Martin

Nicole Glock Maceno

Regina Helena Munhoz