



Subject	
Code	Name
QL701	Integrated Projects

Vector
OF:S-2 T:002 P:000 L:000 O:004 D:000 HS:006 SL:002 C:006 AV:N EX:S FM:75%

Pre requirement
QG760

Summary
Elaboration and application of projects directed to the Teaching of Chemistry, with articulation of conceptual aspects developed with theoretical and / or experimental approach and / or with application of technological resources, directed to high school. The rationale of the projects involves a critical and directed bibliographic survey, with subsequent elaboration of a descriptive text describing the application. The activities are guided by professionals from the Institute of Chemistry and the Faculty of Education of UNICAMP.

Program
Through the publications of the area, students will have contact with research topics in "Teaching Chemistry" and develop teaching projects based on the results of the research. Development: 1. Literature survey in the main publications of the area, aiming to identify works that bring some contribution to the practice of high school chemistry teacher. From the survey they will choose a set of articles on a theme, elaborating related teaching proposals. The proposals will be consolidated with the presentation of classes in which they will incorporate the elements of the research. 2. Contact with interactive media for teaching chemistry, analyzing and evaluating their potential for teaching. 3. Development of laboratory practices for the teaching of chemistry.

Bibliography
MOREIRA, M. A. Metodologias de Pesquisa em Ensino. São Paulo: Editora Livraria da Física, 2011. SANTOS, F. M. T.; GRECA, I. M. (Orgs.) A pesquisa em ensino de ciências no Brasil e suas metodologias. Ijuí: Editora Unijuí, 2013. Periódicos da área Chemistry Education. Research and Practice in Europe Ciência e Educação Educación Química Enseñanza de las Ciencias International Journal of Science Education Química Nova na Escola ( <a href="http://qnesc.sbq.org.br/online/">http://qnesc.sbq.org.br/online/</a> ) REEC. Revista Electrónica de Enseñanza de las Ciencias

Research in Science Education  
Revista de Educacion de las Ciencias  
Revista Brasileira de Pesquisa em Educação em Ciências

**Evaluation criteria**

For grading policy, see: Regimento Geral de Graduação, Seção I – Normas Gerais, Capítulo V – Da Avaliação do Aluno na Disciplina. Students are required to attend 75 % of the lectures. For further details, see: Regimento Geral de Graduação, capítulo VI, seção X, artigo 72.