



**PROGRAMS AND BIBLIOGRAPHY**

<b>Subject</b>	
<b>Code</b>	<b>Name</b>
QG566	Didactic Strategies in Organic and Inorganic Chemistry

<b>Vector</b>
OF:S-6 T:000 P:001 L:000 O:003 D:000 HS:004 SL:001 C:004 AV:C EX:N FM:75%

<b>Pre requirement</b>	QG564
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<b>Summary</b>
Study of didactic strategies for teaching fundamentals of synthesis, purification and characterization of organic and inorganic substances. Articulation of theoretical and practical concepts, computer resources and other media for elaboration of teaching proposal for oral and written presentation.

<b>Program</b>
<p>The program consists of General Chemistry topics at the secondary level to be developed by students in lectures:</p> <ul style="list-style-type: none"><li>- Electrochemistry</li><li>- Chemical bonds</li><li>- Intermolecular Interactions</li><li>- Acids and Bases</li><li>- Chemical Kinetics</li><li>- Chemical equilibrium</li><li>- First Law of Thermodynamics</li><li>- Gases</li><li>- Stereochemistry of Organic Compounds</li><li>- Isomerism and Stereochemistry</li><li>- Matter and Energy: From the Electromagnetic Spectrum to Chemistry</li><li>- Molecular Geometry</li><li>- Physical Equilibrium</li></ul> <p>Concomitantly, the program contemplates the suggestion of techniques that aim at:</p> <ul style="list-style-type: none"><li>- Exposing content effectively.</li><li>- Clarity and fluency in lectures.</li></ul>

<b>Bibliography</b>
<ol style="list-style-type: none"><li>1. Atkins, P.; Jones, L. Princípios de Química. 5a ed., Ed. Bookman, Porto Alegre, 2012.</li><li>2. Dilts, R. B. Enfrentando a Audiência. 1a ed., Ed. Summus, 1997.</li></ol>

**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.