

212046 – TEACHING CHEMISTRY IN HIGHER EDUCATION

CREDITS: 04 (four) – 60 hours/class

CONTENT:

National legislation related to the regulation of Higher Education in Brazil. Teaching Chemistry in Brazil and abroad. Scientific and school knowledge. Curriculum, Planning and Evaluation of Higher Education in Chemistry. Contemporary teaching-learning strategies for Higher Education in Chemistry. Analysis of methodological proposals for the Teaching of Sciences in Higher Education. Study about current advances in the area of Teacher Training for Higher Education. Support for offering, registration and evaluation of class in Higher Education in Chemistry.

SYLLABUS:

1. Analysis and reflection on the national legislation related to the regulation of Higher Education in Brazil, such as the National Curricular Guidelines about the training of bachelors and chemistry graduates, as well as ordinances and resolutions of MEC and UFJF that discipline the action of the university professor;
2. Analysis of the current scenario of Teaching Chemistry in Brazil and abroad;
3. Study of the relation between scientific and school knowledge and its influence on the definition of Chemistry curriculum in Higher Education;
4. Study about theories and proposals related to the Curriculum, Planning and Evaluation of Higher Education in Chemistry;
5. Study about current advances in the area of Teacher Education for Higher Education;
6. Study about the "Reflective Professor" referencial by Donald Schön's "Reflective Professor" and current trends;
7. Study about the formal and informal teacher's knowledge with emphasis on the reflection on the Pedagogical Knowledge of the Lee Shulman's Content;
8. Study of Ausubel's Significant Learning Theory and its critical version;
9. Analysis of methodological proposals for Science Teaching;
10. Study and elaboration of teaching proposals with reference to the use of Conceptual Maps, experimentation, Study Situation among others;
11. Planning and offering classes for the graduation of Chemistry at UFJF;
12. Evaluation and reflection about the class offered.

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