Course ID: HZNI12	**Course name: DIDACTICAL PRINCIPLES IN CHEMISTRY EDUCATION**		
Cycle: SECOND	**Year: FIRST**	**Semester: I**	**ECTS credits: 3**
Course status: MANDATORY		**Total course hours: 45** Lectures: 30 Laboratory: 15	

Teaching participants:	**Teachers and associates with expertise in the field to which the subject belongs**
Prerequisite for enrollment:	-
Course aims:	Enabling students for use of didactic principles in chemistry instruction
Thematic course units:	1. Didactics as an independent scientific discipline 2. Conceptual understanding 3. Didactic principles in teaching 4. Application of didactic principles in chemistry teaching 5. Objectivity and systematicity of didactic principles 6. Generality and dynamism of didactic principles 7. The principle of teaching activities 8. Functions of didactic principles 9. Basic teaching skills 10. Critical analysis of science textbooks using didactic principles
Learning outcomes:	Knowledge: • Explain planning and organizing the teaching process in chemistry • Explain strategies of monitoring and evaluating student achievement in chemistry teaching Skills: • Adapt and apply didactical principles according to the specifics of chemistry instruction Competences: • Construct lesson plan with compliance to selected didactical principles
Teaching methodology:	Oral presentation Discussion Research

Assessment methods and grading system[1]:

Grading criteria			
	Criteria	Maximal score	Required score
1.	Class attendance	5	3
2.	Class activities	15	8
3.	Midterm	25	14
4.	Seminar	15	8
5.	Final exam	40	22
	Total	100	55

Scores and grading		
Score	Grade (B&H)	Grade (ECTS)
< 55	5	F, FX
55–64	6	E
65–74	7	D
75–84	8	C
85–94	9	B
95–100	10	A

Literature[2]:

Mandatory literature

1. Stevanović, M. (1998). *Didaktika*. Tuzla: R&S

Supplementary literature:

1. Bognar, L., Matijević, M. (2005). *Didaktika*. Zagreb: Školska knjiga.
2. Jelavić, F. (1998). *Didaktika*. Jastrebarsko: Naklada Slap.
3. Šimleša, P. (1980). *Izabrana djela, knjiga druga*. Osijek: Pedagoški fakultet.

[1] The grading structure for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught as per Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton

[2] The Senate of the higher education institution, as an institution, or the Council of the organizational unit of the higher education institution, as a public institution, determines by a special decision, which is published on its website before the beginning of the academic year obligatory, mandatory and recommended textbooks and manuals, as well as other recommended literature based on which exams are prepared and taken as per Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton