

COURSE SYLLABUS

1. Information about the study program

1.1 University	“Babeş-Bolyai” University
1.2 Faculty	Faculty of Chemistry and Chemical Engineering
1.3 Department	Department of Chemistry
1.4 Field of study	Interdisciplinary Chemistry/Chemical Engineering
1.5 Program level (BA or MA)	Master
1.6 Study program / Qualification	Processing and Food Control/Master degree (MA)

2. Information about the subject

2.1 Subject title	Development activities - applications I – CME8117						
2.2 Course activities professor	Scientific advisor of the dissertation paper						
2.3 Seminar activities professor	Scientific advisor of the dissertation paper						
2.4 Year of study	1	2.5 Semester	1	2.6. Type of evaluation	CA	2.7 Subject regime	Md

3. Total estimated time (teaching hours per semester)

3.1 Number of hours per week	6	Out of which: 3.2 course	-	3.3 seminar / laboratory	6
3.4 Total number of hours in the curriculum	84	Out of which: 3.5 course	-	3.6 seminar / laboratory	84
Time distribution:					
Study based on textbook, course packet, references and lecture notes					-
Additional research in the library, on electronic platforms (databases)					31
Preparing seminar/laboratory work, homework, reports, portfolios and essays					7
Tutorial activities					-
Exams					3
Other activities					-
3.7 Total hours for individual study	41				
3.8 Total hours per semester	125				
3.9 Number of credits	5				

4. Pre-requisites (where applicable)

4.1 Curriculum	<ul style="list-style-type: none"> • Not applicable
4.2 Competences	<ul style="list-style-type: none"> • Not applicable

5. Conditions (where applicable)

5.1 For course development	<ul style="list-style-type: none"> • Not applicable
5.2 For seminar/laboratory development - applications	<ul style="list-style-type: none"> • The students will attend the program of preparation of the dissertation paper established by the scientific advisor of the dissertation • The students will prepare the documentation using the existing sources both in the specialized libraries and international electronic databases, and in those provided by the scientific advisor of the dissertation. • The papers will be delivered to the scientific advisor of the dissertation

6. Specific competences

Professional competences	<ul style="list-style-type: none"> • Documentation by accessing scientific articles from libraries and databases • Applying the thorough knowledge and the specific research methods in the processing and food control
Transversal competences	<ul style="list-style-type: none"> • Executing in due time the imposed professional duties, by respecting the ethical rules. • Self-assessment of the professional efficiency and establishing the needs of continuous formation, permanent information and documentation in the field of activity and related areas, in correlation with the needs of the labour market. • Ability to conceive and prepare a scientific paper. • Ability to defend a scientific presentation in a foreign language.

7. Course objectives and learning outcomes (deriving from the acquired competences)

7.1 Subject's general objective	<ul style="list-style-type: none"> • The students' acquaintance with the specific methodology of scientific documentation in the processing and food control
7.2 Specific objectives	<ul style="list-style-type: none"> • The acquisition of the knowledge regarding the organization of the data accumulated through the study of the scientific literature related to the chosen field of research (processing and food control)

8. Content

8.1 Laboratory	Teaching methods	Observations
8. 1. 1. Initiation for the purpose of documentation in specialized libraries (printed format).	Explanation; Conversation; Description; Conceptualization	12
8. 1.2. Initiation, accessing of electronic international documentation sources (Science Direct, Scopus, SpringerLink, Web of Science, Wiley Journals, Proquest Journals, etc.).	Explanation; Conversation; Description; Conceptualization	12
8. 1.3. Achievement of documentation in the field of the master program in specialized (selected) libraries	Explanation; Conversation; Description; Conceptualization	12
8.1.4. Realization of the documentation in the area of the master program by accessing international (selected) electronic databases.	Explanation; Conversation; Description; Conceptualization	12
8. 1. 5. Systematization of the information accessed in the literature.	Explanation; Conversation; Description; Conceptualization	12
8. 1. 6. Presentation of the papers with literature data	Explanation; Conversation; Description; Conceptualization	12
8. 1. 7. Presentation of the portfolio of the dissertation subjects and selection of the subject with the scientific advisor.	Explanation; Conversation; Description; Conceptualization	12
References <ol style="list-style-type: none">1. Chemical Abstracts, Analytical Abstracts, Beilstein.2. Electronic databases (Science Direct, Scopus, SpringerLink, Web of Science, Wiley Journals, Proquest Journals, etc.)3. The bibliographical sources indicated by the scientific advisor of the dissertation.		

9. Corroboration / validation of the subject's content in relation to the expectations coming from representatives of the epistemic community, of the professional associations and of the representative employers in the program's field

- By acquiring the theoretical and applied skills included in the content of this discipline, the students are acquiring consistent knowledge, corresponding to the competences specified in the Diploma Supplement and the potential jobs from ANC.

10. Assessment (examination)

Type of activity	10.1 Assessment criteria	10.2 Assessment methods	10.3 Weight in the final grade
10.5 Seminar / laboratory	The quality of the presented papers	Elaboration and presentation of the papers based on literature data	100%
10.6 Minimum performance standards			
<ul style="list-style-type: none">• The mark 5 (five) for the assessment of each presented paper			

Date of filling
10.04.2020

Signature,
Course professor

Signature,
Seminar professor

Date,
Approval in Department
April 13, 2020

Signature,
Head of Chemistry Department
Acad. Cristian Silvestru

