EVALUATION OF SPECIALIZATION PROJECT, INTERNSHIP, GRADUATION THESIS

1. SPECIALIZATION PROJECT

In Bioengineering programme 2009:

The evaluation based only on:
Evaluation through the report and plant design drawings: 50%
Defense the subject at specialization project committee: 50%

In Bioengineering programme 2017:

Partial grade	**Specific evaluation method**	**Desciption**	**LOs being evaluated**	**Percentage**
[1]	**[2]**	**[3]**	**[4]**	**[5]**
A1. Process grade (*)	**Process evaluation**			**50%**
	A1.1. follow the approved plan: • Students need to attend all project planning discussions with their assigned instructors. • Review the content • Technology explanation • Product balance • Calculate device selection • Draw 1 main detailed equipment drawing	Report	M1.1; M1.2; M1.3; M2.2; M3.1; M3.2	
A2. Final grade	**A2.1. Defence** Students show Integrating the knowledge learned to initially know how to design a biotech product manufacturing process • Propose a technological process, understand and interpret processes, know how to calculate product balance, calculate and select equipment, as a basis for designing a workshop in the biotech production line later. • presentation skills and presentation skills	Submit and present report	M1.1÷M1.3 M2.1 ÷M2.3	**50%**

2. GRADUATION INTERNSHIP

In Bioengineering programme 2009:

The evaluation based only on:
Process evaluation (0.2):
- Results of assessment practice based on diligence and awareness of participating in the internship (number of sessions' participation)
Final evaluation:
End of internship (0.8) = report writing * 0.3 + answer questions * 0.5,
(students submit internship reports, report the results and answer questions)

In Bioengineering programme 2017:

Partial grade	Specific evaluation method	Desciption	Los being evaluated	Percentage
[1]	**[2]**	**[3]**	**[4]**	**[5]**
A1. Process grade (*)	**Process evaluation**			**50%**
	A1.1. Students need to follow the approved plan specifically for each internship	Written report	M1.1-M1.3 M2.1-M2.2	
A2. Final evaluation grade	**A2.1. Protect** **Students show** • Internship at production facilities, practical training centers: Students need to understand the structure and organization of production, technological processes of product production, methods of evaluating and managing product quality, semi product, structure, operation and maintenance of equipment. • Practice in research facilities: Students need to understand the structure and organization of laboratories, analytical techniques and equipment used to research and develop products / processes	Interview	M1.1÷M1.3 M2.1÷M2.2	**50%**

3. GRADUATION THESIS

In Bioengineering programme 2009:

The evaluation based only on:
Process evaluation (0.3): diligence in practice, activeness, ensuring completion of work progress, deadline respect
Defense (0.7):
- Submit the project report on time
- Defense the project successfully at the committee

In Bioengineering programme 2017:

Partial grade	Specific evaluation method	Description	Los being evaluated	Percentage
[1]	[2]	[3]	[4]	[5]
A1. Process grade (*)	**Process evaluation**			**30%**
	A1.1. Performing the tasks assigned by supervisor/instructor for each week	Written report	M1.1÷M1.3 M2.1÷M2.2	
A2. Final evaluation grade	**Students show:** Capacity of economic argument and production plan / Read an overview of research issues Learn about raw materials and materials standards / Conduct experiments Select and Demonstrate the production line / Conduct experiments Calculate product balance, Complete technology line A4 drawing / Perform experiment Calculate and select the device / Perform the experiment Calculation of the experimental steam / Performing energy Design of factory premises / Experimental implementation Complete drawing / Thesis writing Perfect writing and preparing slides	Presentation and defence in the council	M1.1÷M1.3 M2.1÷M2.3	**70%**