

Correspondence between BHQF and SP Learning Outcomes (First Cycle)

SP TITLE	Knowledge¹ -Theoretical -Factual	Skills² -Cognitive -Physical -Practical	Competences³ -Autonomy -Responsibility
-:No contribution (~ very low), 1:Low level contribution, 2:Moderate contribution, 3:High level contribution.			
SP Learning Outcomes:	Relationship Level		
Identify, formulate and solve biological problems by using appropriate theoretical and experimental skills (including bioinformatics and laboratory work)	2	3	3
Identify, classify and describe the performance of biological systems and components through the use of analytical methods and modelling techniques	3	3	3
Identify constraints of engineering solutions including environmental, social and sustainability limitations, health and safety and risk assessment issues	2	1	1
Apply gained management experience in designing and running experiments and analyse obtained results	1	2	2
Apply knowledge and understanding to acquire practical skills for problem solving, for research tasks and the design of protocols and procedures	2	2	3
Develop an awareness of and commitment to the role of engineers in society including their professional and ethical responsibilities	1	3	3
Develop technical and professional skills for individual and team work including coordinating the team if necessary	1	2	3
Develop an area for creativity excellence through interactivity and participate in scientific events	3	3	2

¹ **Level Descriptors:** This person demonstrates knowledge and understanding in a field of study that builds upon their secondary education and which is typically at a level, whilst supported by appropriate learning resources (texts, information and communication technologies), which includes some aspects that will be informed by knowledge of the forefront in a given field of study.

² **Level Descriptors:** This person; **(i)** is able to apply acquired knowledge and critical understanding of the principles relating to the given field of study/discipline in a manner to demonstrate professional approach to their work or vocation, and has competences typically demonstrated through devising and sustaining arguments and solving problems within a given field of study; **(ii)** is able to apply main methods of acquiring new knowledge and applicative research in a given discipline, and is able to decide on which approach to use in solving a given problem and is aware of the extent to which the selected approach is suitable for solving such a problem; **(iii)** is able to communicate in one or several foreign languages and by using communication technologies, information, ideas, problems and solutions to both specialist and non-specialist audiences for given area of study.

³ **Level Descriptors Professional competence:** This person **(i)** demonstrates ability to gather and interpret relevant data (usually within the given field of study) to inform judgments that include reflection on relevant social, scientific or ethical issues.

Personal competence: This person **(i)** has developed learning skills to undertake further study, with a high degree of autonomy and academic skills and attributes necessary to undertake research work, comprehend and evaluate new information, concepts and evidence from a range of sources; **(ii)** possesses a foundation for future self-directed and lifelong learning; **(iii)** has acquired interpersonal skills, teamwork skills adequate for employment and further study.