EDUCATIONAL OFFER

Training activity (In-depth disciplinary, thematic or curricular courses)	Planned YES/NO)	No. Courses (when applicable)	With final assessment	HOURS	CFU (if applicable)	Minimum requirements of the individual training plan		
						No. Courses	Hours	CFU (if applicable)
Ad hoc courses included in the training plan (minimum 8 hours of frontal teaching, also given by several professors) - Compulsory courses - Optional courses	YES	In-depth disciplinary courses for each curriculum: **Biostatistics and Clinic Epidemiology** E-learning courses: • Machine learning in the clinical research • Advanced biostatistics • Methodology of clinical research • Good clinical practice in clinical research **Clinical and Traslational Neurosciences** • Neuromuscolar diseases	YES	In-depth disciplinary courses for each curriculum: **Biostatistics and Clinic Epidemiology** 32 **Clinical and Traslational Neurosciences** 8 **Cardiovascular Sciences** 40 **Endocrine and Metabolic Sciences** 8 **Thoracic and Pulmonary Sciences** 16		In-depth disciplinary courses for each curriculum: **Biostatistics and Clinic Epidemiology** 3 **Clinical and Traslational Neurosciences** 8 **Cardiovascular Sciences** 4 **Endocrine and Metabolic Sciences** 1 **Thoracic and Pulmonary Sciences** 2	In-depth disciplinary courses for each curriculum: **Biostatistics and Clinic Epidemiology** 24 **Clinical and Traslational Neurosciences** 8 **Cardiovascular Sciences** 32 **Endocrine and Metabolic Sciences** 8 **Thoracic and Pulmonary Sciences** 16	

		Cardiovascular Sciences Five courses: • Pathology of cardiovascular diseases • Physiopathology of cardiovascular diseases • Paediatric cardiology • Arrhythmology • History of medicine and anthropology **Endocrine and Metabolic Sciences** 1st year: Physiopathology of vascular diseases in diabetes **Thoracic and Pulmonary Sciences** 1st year: Physiopathology and clinic of pulmonary diseases 2nd year: Pathology of pulmonary diseases						
	YES			NO	32		4	32	
Courses offered by Degree programs (Laurea or Laurea Magistrale)	NO								

Courses organized by other PhD schools, Schools, Masters (national and international)	YES	In-depth disciplinary courses for each curriculum: **<u>Biostatistics and Clinic Epidemiology</u>** E-learning courses: - Machine learning in the clinical research - Advanced biostatistics					

Notes: (*indicate in this field if the offer refers to the year or the cycle*)

Cross-curricular training activities and soft skills (including the types defined by Article 4, paragraph 1 of Ministerial Decree 94 - Accreditation Regulation)	Courses organized by the PhD School	Courses shared with other PhD Schools	HOURS	CFU (if applicable)	Minimum requirements of the individual training plan		
					No. Courses	HOURS	CFU (if applicable)
Linguistics	NO	YES, an advanced course organize for Ph.D. Students by the linguistic Center of the University	40		Good linguistic oral and scientific writing competences (B2)		
ICT	NO	NO					
Research management, knowledge of research systems and financing programs	1st year • Biomedical statistic and epidemiology course • How to write an application grant course • How to write a research protocol course (theoretical-practical course) • Seminars specific for each curriculum (required 75% of attendance) 2nd year • Thematic advanced course in epidemiology and biostatistics • Ph.D. research day • Seminars specific for each curriculum (required 75% of attendance)	Course organized by the University on soft skills and research management (Optional)	1st year:24; 2nd year:16; 3rd year: 16 +20		1st year: 3; 2nd year: 2; 3rd year: 2	1st year: 24; 2nd year: 16; 3rd year: 16	

	3rd year • Thematic advanced course in epidemiology and biostatistics • Ph.D. research and thesis day • Seminars specific for each curriculum (required 75% of attendance)						
IPR and IPR exploitation	2nd year • Ph.D. research day 3rd year • Ph.D. research and thesis day	Course organized by the University on soft skills and research management (Optional)	2nd year:8; 3rd year: 8		2nd year:1; 3rd year: 1	2nd year:8; 3rd year: 8	
Other	E-learning Methodology of clinical research and Good clinical practice in clinical research. Specific for the Biostatistics and Clinical Epidemiology Curriculum during the three year program the Ph.D. Students must attend as auditors at least at to two ethical committee meeting (CESC) for human and animal.		16				

Other types of activities	**Foreseen YES/NO**
Seminars	YES
Summer / Winter school	YES
Conferences, internships	YES, as indicated by each curriculum. Stages in the

	biostatistics and clinical epidemiology lab.
Group activities / Journal club	YES, Curriculum Biostatistics and Clinical Epidemiology organize a dedicated networking activity and Curriculum Thoracic and Pulmonary Sciences organize Journal Club
Other	Each curriculum organize a series of Clinico-Pathological Conferences.