Research Group	People		Teaching Activities / Courses	Research Activities
Mechanics of Materials and Structures	Prof. Egidio RIZZI	egidio.rizzi@unibg.it	* Mechanics of Materials and Structures	* Mechanics of Materials and Structures
	Dr. Rosalba FERRARI	rosalba.ferrari@unibg.it	* Complements of Mechanics of Material and Structures	* Dynamics and Instability of Structures
			* Dynamics, Instability and Inelasticity of Structures	* Computational Mechanics: Finite Element Method, Discrete Element Method (DEM)
			* Computational Mechanics of Solids and Structures	* Vibration control in structural dynamics and earthquake engineering: tuning of passive Tuned Mass Damper (TMD) devices
				* System identification by inverse analysis
				* Structural analysis, FEM modelling and updating of historic constructions
				* Elastoplastic structural analysis and Limit Analysis of truss-frame structures
				* Structural Health Monitoring
Inorganic Chemistry and X-Rays Diffraction	Prof. Isabella NATALI SORA	isabella.natali-sora@unibg.it	* Chemistry	* Development of new photocatalysts for degradation of organic pollutants mainly in liquid phase
				* Development of ceramic foams as structured catalyst supports
Structural Analysis and Design	Prof. Paolo RIVA	paolo.riva@unibg.it	* Structural analysis	* Seismic performance of new and exisiting structures
	Prof. Alessandra MARINI	alessandra.marini@unibg.it	* Design of RC structures	* RE-centering devices and systems (rocking columns, walls...)
	Dr. Andrea BELLERI	andrea.belleri@unibg.it	* Design of Steel Structures	* Seismic performance and retrofit of masonry and monumental buildings
			* Seismic Design	* Displacement Based Seismic Design of Structures
			* Retrofit of Existing Structures	* Structural Health Monitoring
				* Structural performance of RC precast buildings
				* Combined strategies for the requalification (architectural, seismic, thermal,...) of existing buildings
Architectural Design and Building production	Prof. Attilio PIZZIGONI	attilio.pizzigoni@unibg.it	* Architectural Design	* Parametric Design
	Dr. Giuseppe RUSCICA	giuseppe.ruscica@unibg.it	* Building Elements Technology	* Tensegrity structures
			* Building Ergotechnics	* Origami structures
				* Reciprocal frame structures
				* Real-time localization for construction sites
Thermal physics and heat transfer	Prof. Simona TONINI	simona.tonini@unibg.it	* Technical Physics and HVAC Systems	* Analytical modelling of heat and mass transfer in two phase flows
	Dr. Stephanie Fest-Santini	stephanie.fest-santini@unibg.it	* Energy saving techniques in buildings	* Numerical simulations of two phase flow in atomisers
				* Application of micro computed tomography to heat and mass transfer
				* Interfacial phenomena
Surveying and Geomatics	Dr. Barbara MARANA	barbara.marana@unibg.it	* Surveying and Geomatics	* GIS solutions of problems related to the territory
			* Geographic Information Systems	
Sustainable Construction Materials	Prof. Luigi COPPOLA	luigi.coppola@unibg.it	* Construction Materials	* Alkali-activated materials and geopolymers
	Prof. Tommaso PASTORE	tommaso.pastore@unibg.it	* Repair Materials for existing masonry and reinforced concrete structures	* Ternary blended binders based on sulphoaluminate cements - Durability and corrosion CSA matrix and in portland free mortars and concretes
	Dr. Sergio LORENZI	sergio.lorenzi@unibg.it		* Self-healing admixtures for concrete
	Prof. Marina CABRINI	marina.cabrini@unibg.it		* Recycling of wastes for concrete production
Business Economics and Finance for Construction and Real Estate Companies	Prof. Maria Sole BRIOSCHI	maria-sole.brioschi@unibg.it	* Business Economics and Organization	For construction and real estate companies:
			* Management of Construction and Real Estate Projects (from the a.y. 2018-19)	* Management control systems
				* Project evaluation
				* Corporate and project financing
	Prof. Andrea SALANTI	andrea.salanti@unibg.it	* Real Estate Economics	* Real Estate Markets
Cultural Heritage	Prof. Alessio CARDACI	alessio.cardaci@unibg.it	* Architectural Drawing	* Knowledge and conservation of cultural heritage
	Prof. Giulio MIRABELLA ROBERTI	giulio.mirabella@unibg.it	* Architectural Survey	* Structural Health Monitoring of historic constructions
			* Knowledge and conservation of cultural heritage	* 3D Survey
			* Graphic Design	* Drawing and HBIM
			* Drawing, Arts and Music	* Industrial Archeology
Electric Power System	Prof. Mariacristina ROSCIA	cristina.roscia@unibg.it	* Smart Home	* Smart home
			* Electrical Installations	* Smart city
				* EVs and Smart mobility
				* Power systems
				* Lighting
Urban Planning and Development	Prof. Maria Rosa RONZONI	maria-rosa.ronzoni@unibg.it	* City Planning	* Environmental sustainability planning
			* Techniques for City Planning	* Landscape design
				* Sustainable mobility
				* Urban mobility planning
				* Prevention of Environmental Disasters