

Information for and structure of the Quality recognition report

I - GENERAL INFORMATION	
Name of the school	Politecnico di Torino
Name of the programme	Territorial, Urban, Landscape and Environmental Planning
Address	Politecnico di Torino, viale Mattioli 39, 10125 Torino
Website	https://didattica.polito.it/pls/portal30/sviluppo.offerta.cdl?p_sito_orienta=0&p_sdu=82&p_cds=9&p_a_acc=2015&p_lang=EN
Official representative of the school	Prof. Ferruccio Zorzi (ferruccio.zorzi@polito.it)
Contact person	Prof. Cristiana Rossignolo (cristiana.rossignolo@polito.it)

II - OBJECTIVES OF THE PROGRAMME	
Level of university education/degree	The programme has two levels Courses with the same title: a Bachelor of Art Degree Course and a Master Degree course: this report will deal only with the Master Course
Duration of the study in the programme	(semesters/years): - BA: 3 years (6 semesters) - Master: 2 years (4 semesters)
Profile of graduates	Our Master Degree graduate is a planner whose skills enables her/him to act as coordinator within project teams that are engaged in regional and urban planning activities, in landscape planning, and in developing strategies and policies to govern urban and regional territories. Such planner is able to cooperate with experts of diverse disciplines, addressing issues of planning at different scales while giving special attention to landscape and environmental issues, developing and operationalizing the principle of the correct use of local resources, involving different stakeholders (institutional, economic, social, cultural, etc), and showing also the ability to interact with different actors including non-experts, stimulating their participation. Our graduate is then trained to be an ethically responsible actor that operates according to two principles: equity and sustainability. This means that this planner has not only a sound knowledge of all the economic, social, institutional, and environmental issues involved in the planning process, but also of the implied ethical dimensions, that is a clear awareness of the responsibility of a planner towards the society in which she/he operates.
Scientific objectives/knowledge offered	Graduates will possess detailed knowledge of the complex relationships between human activities, the physical environment, institutional contexts, and social processes that influence the conditions of territorial development. They will develop an adequate knowledge of the tools of territorial government, legislative innovations in this field and in related policies, both at national and at EU level. The approach to planning that the Course proposes is consistent with planning seen as an integrated process that combines different disciplinary perspectives. The graduate will acquire knowledge in many disciplines involving both analytical aspects (analysis of historical, geographical, economic, social and territorial dimensions), sectoral planning instruments (transport and infrastructure) and their relationship with other planning and government instruments at different scales. Furthermore, the centrality of environmental and landscape issues requires training with specific attention to issues of sustainability.
Professional objectives/skills offered	The labour market for the graduates is mainly made up of local authorities (municipalities, provinces, regions), public utilities companies, but also engineering and professional firms. The professional profiles of graduates – and thus the offered skills – can be summarised as follows: • as planner expert in the preparation of urban and territorial plans at various scales, playing a coordinating role in project teams, skills to be developed regards the capacity to: (a) communicate and interact with specialists from different disciplines involved in the planning process, providing the working group with the knowledge of the institutional and legislative framework that regulates the planning process, at the national and European level, and its related tools, (b) deal with the definition of the spatial aspects of the plans, (c) perform analyses of complex urban and territorial structures, using different

	analytical tools, (d) carry out feasibility assessment analyses of plans and projects, and strategic environmental assessments treating their interaction in the planning process; - as planner expert in the preparation of landscape plans, playing a coordinating role in the project teams, skills, to be developed in addition to the previous ones, refer to: (a) dealing with the definition of aspects related to landscape structures and providing guidelines for landscape design, and (b) perform landscape analysis, using different analytical tools; - as planner expert in developing strategies, policies and projects of urban and territorial transformation, skills should also refer to the capacity to: (a) participate actively in the processes of social construction of actions, (b) communicate with non-experts, (c) perform analysis in the field of local development and local social and environmental systems. This functions can be carried out also independently as a professional. Currently, in fact, graduates can enroll to the Section A of the association of "Architects, planners, landscape architects and conservators" (after passing a State exam).
Requirements for entering the programme (previous education profile)	The requirements for entering the programme are: - being graduated in an Italian BA, accredited by the Ministry of University and Research as a BA in the field called "Scienze della pianificazione territoriale, urbanistica, paesaggistica e ambientale" (Sciences of territorial, urban, landscape and environmental planning); - being graduated in another Italian BA accredited by the Ministry of University and Research as a BA in other fields. In this case a commission will evaluate the student's curriculum and identify the possible necessity to fill any gaps in training in disciplines which are central to the Master; - being graduated in a European BA or another foreign country BA. Also in this case, a commission will evaluate the student's curriculum. - All the Italian students asking to enter the Master have to be evaluated by means of a colloquium.
Standard presentation (optional)	(if applicable) /

III - CONTEXT and CONTENTS		
Position in the academic environment: country, university, department	The Master is based in the Interuniversity Department of Urban and Regional Studies and Planning (DIST). DIST is a leading joint structure of Politecnico and Università di Torino, working in the field of government of territorial processes analyzed in their physical, economic, social, political, cultural aspects, in a sustainable perspective, from the global to the local scale. It promotes basic and applied research, training, and technology transfer and services to the territory, particularly focusing on the urban and regional policies and on territorial, urban, environmental and landscape projects and planning. It strongly promotes the participation to local, national, European and international research programmes (http://www.dist.polito.it/en/the_department).	
Accreditation obtained (if applicable)	Both BA and Master courses are accredited by the Italian Ministry of University and Research. Each year the accreditation is validated by the Ministry on the base of a document (Scheda Unica di Ateneo, SUA), produced for the Course following the established Quality Assurance procedure. The 2014 SUA of the Master Course (in Italian) is available at https://didattica.polito.it/pls/portal30/sviluppo.vis_aig_2013.visualizza?sducds=82009&tab=0&p_a_acc=2015	
Team	A. Longhi	research assistant
	A. Mela	full professor, member of Milesecure research
	C. Cassatella	research assistant, Representative of Politecnico di Torino in the Uniscape Assembly, Member of Jury of the 32nd Les Ateliers internationaux d'urbanisme
	C. Pronello	associate professor, Governing Board and Scientific Advisory Board (SAB) of the Joint Programming Initiative (JPI) Urban Europe, Advisory Board of the European (FPVII) project TRANSFORUM, national expert in the Transport Committee of VII Framework Programme, member of the "Planning for Sustainable Land Use and Transport Committee" within the

		European Transport Conference (ETC), member of the Committee «Women's Issues in Transportation (ABE70)» and of the Committee «International Activities (A0010)» of the US Transportation Research Board (TRB), member of the «International Institute of Acoustics and Vibration » (IIAV), expert for the evaluation of research projects for the Fonds québécois de la recherche sur la société et la culture (FQRSC)		
	C. Rossignolo	research assistant, EURA Executive Committee, Member of the Editorial Board of 'Urban Research and Practice' (Taylor & Francis)		
	C.A. Barbieri	Life 2013 "SAM4CP" (Soil administration Models 4 Community profit) research coordinator		
	D. Rolfo	lecturer		
	F. Zorzi	full professor		
	G. Carlone	Lecturer, member of L'association Les Ateliers Internationaux de Maîtrise d'Oeuvre Urbaine de Cergy-Pontoise		
	G. Mutani	research assistant, member of City on power, Central Europe research, of WIN-WIN PLUS Advanced "High performance urban green infrastructure" for health and digital collaborative communities		
	R. Monaco	full professor, director of the International Summer School "Methods and Models of Kinetic Theory" (M&MKT)		
	S. Ferrari	research assistant		
	S. Saccomani	associate professor, Aesop Heads of School, AESOP Expert Pool, member of ESDP Network		
	U. Janin Rivolin Yoccoz	full professor, Member of the AESOP Best Published Paper Committee, of the AESOP Expert Pool, former member of the AESOP CoRep, Appointed in the ESPON 2013 Knowledge Support System, in the URBACT Thematic Expert Group, Member of the Editorial Boards of European Planning Studies, European Journal of Spatial Development, Coordinator of the Italian research units in the ESPON projects		
Programme structure	<i>Year</i>	<i>Period</i>	<i>title</i>	<i>credits</i>
	1	1	History and criticism of cultural heritage	6
		1	Inclusive Planning and Environmental Sociology	6
		1	Urban and territorial geography	6
		1	Planning rules and institutional context	6
		1	Energetic and environmental sustainability of the territory	4
		2	Urban planning Studio, including the following:	14
			<i>Urban Planning</i>	
			<i>Evaluation and economic feasibility</i>	
			<i>Analysis and design of urban morphology</i>	
		2	Transport Planning	6
		2	Urban and Territorial Policies in Italy and Europe	6
		1 or 2	Free credits (see below)**	8
	2	1	Territorial hydrology	4
		1	Landscape and territorial planning Studio, including the following	18
			<i>Landscape and territorial Planning</i>	
			<i>Landscape analysis and design</i>	
			<i>Mathematical models for decisions</i>	
		1	Territorial and Strategic Planning	
		2	Thesis**	30

	1,2		*Free credits:	
		2	Transportation Techniques and Economics	
		2	International Workshop "Urban Forms, Rules and Strategies"	
		2	Workshop "Advanced applications of GIS for analysis and planning"	
		2	Workshop "Landscape history and museums"	
		2	Design and qualify the energy quality of buildings	
** Students are offered an alternative: - to write a research thesis; - to write a thesis with a more professional character, including a period of internship. The thesis has a total value of 30 credits, which in the case of a thesis with a professional character consists of an internship of 10 credits and a dissertation of 20 credits. Syllabus, with the link to each course programme in English, is available at: https://didattica.polito.it/pls/portal30/gap.a_mds.espandi2?p_a_acc=2015&p_sdu=82&p_cds=9&p_lang=EN Courses are taught in Italian, but it is possible for foreign students to attend some of the courses: in the different part of their program, when relevant, a specific organization for such students will be highlighted and preceded by EN (English). Activities specifically designed for foreign students are: tutoring, slides and readings in Italian and in English, possibility to do essays and exams in English.				
2. Number of credits				
Total number of credits: 120				
3. ECTS if applicable				
1 credit equals 1 ECTS				
Methods of teaching	The course is organized according to two teaching methods: - Teaching Units, providing systematic contributions; - Multidisciplinary Studios, focusing on the definition of planning tools at different scales. They simulate, through the contributions of several disciplines, the integration of a plurality of points of view, which is a features of planning teams. Studios last a semester and have a single examination. Two multidisciplinary studios are central in the training experience offered by the Master: the first addresses planning at the local level, the second addresses territorial and landscape planning. Activities of the first semester provide the students with a sound knowledge in the fields of planning tools and regulations and the related institutional structure, in the fields of urban and regional geography, sociology, environment and history of the territorial heritage, providing also knowledge about the infrastructures related to energy, acoustic and environmental issues. In the second semester the Studio allows students to simulate a process for the preparation of a planning tool at the local level, while the other courses add knowledge on transport planning and a solid understanding of the role of the EU in the field of urban and territorial policies. The aim of the third semester is to provide knowledge in the field of territorial hydrology and to further deepen the knowledge in the field of tools and processes of spatial and strategic planning, while the Studio allows students to simulate a process of drafting an instrument for territorial and landscape planning. The fourth semester is entirely devoted to the preparation of the thesis. The student is offered an alternative: a research thesis or a dissertation that includes an internship period. In order to give the students a greater specialization in some fields, the Master offers "training packages" consisting of an optional course (8 free credits) and a related thesis topic, to be developed either as a research thesis or a more professionally oriented thesis with a period of internship in Italy or abroad.			
Title(s) awarded (single, double, multiple degree)	Double degree with KTH – Kungliga Tekniska Hogskolan (Stockholm, SE), starting in the academic year 2015-2016.			
Students in the programme	1.Number (total/per year) The Master was born in 2004-05 and since then the students are growing. We do not yet know the final number of students enrolled in 2014-15, but on average in the last two years they were between 70 and 75			

	2. Percentage of international students Erasmus, Bilateral agreements, double degree students usually are around 10 per year. As regards regularly enrolled foreign students, their number is of around 3-5 per year.
	3. Examples of countries of origin: Colombia, Brazil, Venezuela, Chile, China, Spain, France, Austria, Poland, Iran, Bolivia, Sweden

IV - EUROPEAN AND INTERNATIONAL DIMENSION IN TEACHING

In the courses (max. 50 words each)	1. International comparative planning - "Landscape and territorial planning Studio". Offering international comparative activities about agricultural, landscape heritage, natural conservation policies - "Territorial and strategic Planning" course, with readings and critical analysis of experiences of strategic planning at the metropolitan level in Italy or in Europe - "Transport Planning" course. Transport policies in different scenarios at national, European and worldwide level.
	2. European Spatial Planning "Urban and Territorial Policies in Italy and Europe" course. It concerns urban and territorial policies of the EU, their tools and the definition of emerging concepts such as "European spatial planning" and "EU territorial governance". It includes the influence of EU territorial governance in Italy, its effects on the change of spatial planning systems in Europe, the ways of "Europeanization" of urban and territorial policies and current perspectives of this process.
	3. Other "Urban and territorial geography". It concern the current urban phenomenon, concepts and theories of urban geography, the form of urban growth (in the world), cities in globalization
In the practical activities (max. 50 words each)	1. Placement periods abroad (localities, length, percentage of students): - Academic Year 2013-14 7 students (250 hours each; 5 of them benefited from an Erasmus Placement scholarship) Locations: A&L Jiangsu, China (1 student), HafenCity University, Hamburg (3), Jordi Bellmunt - Agata Buscemi Arquitects, Barcellona (1), Latitude - Platform for urban research and design, Bruxelles (1), TRL - Transport Research Laboratory, Crowthorne, UK (1) - Academic Year 2012-13 3 students (250 hours each; all of them benefited from an Erasmus Placement scholarship) Locations: Jordi Bellmunt - Agata Buscemi Arquitects, Barcellona (1), Glendale Gateway Trust, UK (1), Public Works Group, London (1), Reardon Smith Architects, London (1)
	2. Workshops abroad (localities, length, number of students) /
	3. Study tours (localities, length, percentage of students) /
	4. Other /
	/
In other activities (max. 50 words each)	/
In the final thesis and/or project	1. Comparative or European topics for the thesis Exemples of topics for the thesis: - The Europeanization of spatial planning: the case of Sweden - Spatial planning systems: international comparisons. - Imagine a Transition - A step closer to Turin Road Map 2050 - Cities and regions in Europe. Narratives, portrait, interpretation of urban phenomenon. Comparative analysis. Immagines of the European urban system. - Strategic planning in Europe. Strategic planning process in European cities, studies and comparative analysis. - Urban regeneration in Europe: policies and practices - Local development in Europe: rethinking and redesign local development - Urban policies in Europe: urban policies in European cities, influence of EU policies

	- Social media and travel behaviour: a comparison across Europe - Public transport management and the market: a European vision - Citizens' participation in plans and projects. European experiences. - Multipolar urban areas in Europe - Planning beyond the Institutions (comparison Italy UK) - Distributed participation for sustainable transport planning and decision making - Social media and travel behaviour: a comparison across Europe - Public transport management and the market: a European vision
	2. Projects in foreign countries Students have regularly started to apply for thesis abroad in the previous academic year, so figures will be available in the next months.
	3. Possibility to submit in different languages The final dissertation can be submitted in Italian or in English
	4. Other /
Involvement of foreign teachers	1. Visiting professors Until 2010 an American visiting professor selected by the Fulbright Commission was hosted each year by the department and taught in these Course. Economic difficulties put a stop to this experience 2. Guest lecturers / 3. Other forms of involvement (reviewers, evaluators, jury members ...) When a thesis is partly developed abroad there could be a co-tutor of the thesis itself. Examples: - the thesis "Planning beyond the Institutions (comparison Italy UK)" was co-tutored by prof. Patsy Healey (prof. Emeritus, Newcastle University) - the thesis "Distributed participation for sustainable transport planning and decision making" is co-tutored by Alan Stevens (TRLO, UK) - the thesis "Imagine a Transition - A step closer to Turin Road Map 2050" is co-tutored by prof. Joerg Knieling, (Hafencity University, Hamburg)
Language(s) of tuition	(monolingual / which languages, multilingual/which combination of languages) Courses are taught in Italian, but it is possible for foreign students to attend some of the courses: in the different part of their programme, when relevant, a specific organisation for such students will be highlighted and preceded by EN (English), such as: tutoring, slides and readings in Italian and in English, possibility to do essays and exams in English.
V - INSTITUTIONAL EUROPEAN AND INTERNATIONAL DIMENSION	
International institutional collaborations (max. 50 words each)	1. Active cooperation agreements (specify type of cooperation) Double degree. Erasmus + (students and staff exchanges, for courses and thesis). Several bilateral agreements are active with Latin American countries such as Columbia, Brazil, Chile, Venezuela, Ecuador, Bolivia. 2. Erasmus (specify number of agreements, institutions, number of incoming and outgoing students) All the agreements foresee student exchanges (2 incoming and 2 outgoing) as a basis, plus staff exchange (1 incoming and 1 outgoing). In some cases also the PhD level is included (e.g. Newcastle upon Tyne, Freiburg). Student exchanges are mainly for the Master level (with few exceptions, e.g. Paris Sorbonne). Active agreements regard the following list: KTH - Kungliga Tekniska Hogskolan (Stockholm, SE); Umeå Universitet (SE); KUL – Katholieke Universiteit Leuven (BE); ETSAM – Universidad Politecnica de Madrid (ES); Institut d'Urbanisme de Grenoble (FR); Université Paris Sorbonne IV (FR); Université Jean Monnet (Saint Etienne, FR); Université de Toulon (FR); IGOT, Universidade de Lisboa (PT); Universidade do Minho (Braga, PT); University of Newcastle upon Tyne (UK); Albert Ludwigs Universität Freiburg im Breisgau (DE). 3. Joint courses / 4. Joint diplomas Double degree: KTH - Kungliga Tekniska Hogskolan (Stockholm, SE) (from 2015-2016)

	5. Mobility of students (capacity) 26 incoming, 26 outgoing
	6. Mobility of staff (capacity) 12 incoming, 12 outgoing
	7. Summer schools /
	8. Intensive programmes Twelve students of the Master participated in a two-week Intensive Program (IP), funded by the European Program Erasmus-Longlife Learning Network and organized by the ESDP (European Spatial Development Planning) (http://esdp-network.eu/). This IP took place twice at KTH in Stockholm (2010, 2011) and twice at METU in Ankara (2013, 2014).
	9. Distance learning The Master Course does not provide distance learning
	10. Other /
VI - EUROPEAN AND INTERNATIONAL DIMENSION IN RESARCH	
Research programmes/projects with European scope	(max. 50 words) DIST research themes are focused on territorial transformation and government of territorial processes analysed in their physical, economic, social, political, cultural aspects, from global to local scale. In particular main themes are: Urban and regional development; Security and Resilience of the Natural and Built Environment; Cultural Heritage and Landscape
Research programmes/ projects with European funding	(max. 50 words) In recent years, DIST has been and is currently involved in many European research projects. In particular: VII FRAMEWORK PROGRAMME – Opticities, Milesecure2050, Pocacito, Dimmer, Smart-Way, Detra; ESPON PROGRAMME - Tango, Insted; ALPINE SPACE PROGRAMME – Alpinfonet; LIFE + PROGRAMME - SAM4CP; MARIE CURIE ACTION – Uni-Metrics
Other	(max. 50 words) /
VII OPTIONAL INFORMATION HIGHLIGHTING DISTINCTNESS OF THE PROGRAMME	
(max. 300 words) A distinctive element of the master is also the fact that in addition to foreign students enroll to it also graduates from other Italian locations and obtained a BA in different fields (economics, geography, sociology, architecture). This is considered a positive element because it enriches the cultural dialogue between students	