1.	Record Nr.	UNINA9910254983803321
	Autore	Rumpe Bernhard
	Titolo	Modeling with UML : Language, Concepts, Methods / / by Bernhard Rumpe
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-33933-8
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (XIV, 281 p. 175 illus., 3 illus. in color.)
	Disciplina	005.117
	Soggetti	Software engineering
		Management information systems
		Computer science
		Software Engineering
		Software Management
		Management of Computing and Information Systems
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction -- Class Diagrams -- Object Constraint Language -- Object Diagrams -- State charts -- Sequence Diagrams -- A Language Representation with Syntax Class Diagrams -- B Java -- C The Syntax of the UML/P -- D Sample application: Internet-based Auction System -- References.
	Sommario/riassunto	This book presents a variant of UML that is especially suitable for agile development of high-quality software. It adjusts the language UML profile, called UML/P, for optimal assistance for the design, implementation, and agile evolution to facilitate its use especially in agile, yet model based development methods for data intensive or control driven systems. After a general introduction to UML and the choices made in the development of UML/P in Chapter 1, Chapter 2 includes a definition of the language elements of class diagrams and their forms of use as views and representations. Next, Chapter 3 introduces the design and semantic facets of the Object Constraint Language (OCL), which is conceptually improved and syntactically adjusted to Java for better comfort. Subsequently, Chapter 4 introduces

object diagrams as an independent, exemplary notation in UML/P, and Chapter 5 offers a detailed introduction to UML/P Statecharts. Lastly, Chapter 6 presents a simplified form of sequence diagrams for exemplary descriptions of object interactions. For completeness, appendixes A–C describe the full syntax of UML/P, and appendix D explains a sample application from the E-commerce domain, which is used in all chapters. This book is ideal for introductory courses for students and practitioners alike. .