1.	Record Nr.	UNINA9910299245103321
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	Titolo	UML @ Classroom : An Introduction to Object-Oriented Modeling / / by Martina Seidl, Marion Scholz, Christian Huemer, Gerti Kappel
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	3-319-12742-X
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (XII, 206 p.)
	Collana	Undergraduate Topics in Computer Science, , 2197-1781
	Disciplina	005.117
	Soggetti	Software engineering Electronic data processing - Management Software Engineering IT Operations
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	1 Introduction -- 2 A Short Tour of UML -- 3 The Use Case Diagram -- 4 The Class Diagram -- 5 The State Machine Diagram -- 6 The Sequence Diagram -- 7 The Activity Diagram -- 8 All Together Now -- 9 Further Topics.
	Sommario/riassunto	This textbook mainly addresses beginners and readers with a basic knowledge of object-oriented programming languages like Java or C#, but with little or no modeling or software engineering experience – thus reflecting the majority of students in introductory courses at universities. Using UML, it introduces basic modeling concepts in a highly precise manner, while refraining from the interpretation of rare special cases. After a brief explanation of why modeling is an indispensable part of software development, the authors introduce the individual diagram types of UML (the class and object diagram, the sequence diagram, the state machine diagram, the activity diagram, and the use case diagram), as well as their interrelationships, in a step-by-step manner. The topics covered include not only the syntax and the semantics of the individual language elements, but also pragmatic aspects, i.e., how to use them wisely at various stages in the software development process. To this end, the work is complemented with examples that were carefully selected for their educational and

illustrative value. Overall, the book provides a solid foundation and deeper understanding of the most important object-oriented modeling concepts and their application in software development. An additional website offers a complete set of slides to aid in teaching the contents of the book, exercises and further e-learning material.