Università degli Studi di L'Aquila - Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica

Course catalogue

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Programme of Module "Model Driven Engineering"

- Code: F0193
- Type of course unit: Elective (Master Degree in Computer Science curriculum SDRC), Elective (Master Degree in Computer Science curriculum ASSC), Compulsory (Master Degree in Computer Science curriculum GSEEM), Elective (Master Degree in Computer Science curriculum General)
- Level of course unit: Postgraduate Degrees
- Semester: 2

Number of ects credits: (Master Degree in Computer Science) 6 (workload 150 hours)

Teachers: Alfonso Pierantonio (Alfonso.Pierantonio@univaq.it)

1	**Course objectives**	
2	**Course content and learning outcomes (dublin descriptors)**	Topics of the module include: • Introduction, Metamodeling, General-purpose vs domain-specific modeling, Modeling languages (concrete vs abstract syntax), the metamodeling architecture, the Meta-Object Facility. • Eclipse EMF • Model Transformations: MOF Query-View-Transformation, ATL, JTL • Model management: Model weaving, Model differencing • Concrete Syntax: EMFText, GMF • Coupled Evolution: Metamodel/Model co-evolution, Metamodel/Transformation co-evolution, EMF Migrate
3	**Course prerequisites**	
4	**Teaching methodsand language**	**Language**: English
5	**Assessment methods**	