UNIVERSITÀ DI PAVIA

Anno Accademico 2015/2016

SIMULATION OF PARTICLE DETECTORS

Enrollment year	2014/2015
Academic year	2015/2016
Regulations	DM270
Academic discipline	FIS/01 (EXPERIMENTAL PHYSICS)
Department	DEPARTMENT OF PHYSICS
Course	
Curriculum	FISICA NUCLEARE E SUBNUCLEARE
Year of study	2°
Period	2nd semester (01/03/2016 - 15/06/2016)
ECTS	6
Lesson hours	48 lesson hours
Language	ITALIAN
Activity type	ORAL TEST
Teacher	RIMOLDI ADELE (titolare) - 6 ECTS
Prerequisites	Basic background from completed courses in object-oriented programming
Learning outcomes	Object Oriented programming using a simulation tool
Course contents	This course is addressed to students interested in developing simulation tools in many branches of subnuclear physics, astrophysics or applied medicine physics. Goal is also to manage big OO programs and create new applications by implementing code and choosing a personal path of development in a friend field of physics.
Teaching methods	=
Reccomended or required readings	a) Koenig, Moo, Accelerated C++, Addison Wesley b) Adele Rimoldi, Metodi informatici della fisica, Pavia University Press c) Adele RImoldi, La simulazione dei rivelatori di particelle, Pavia

	University Press, Didattica e Formazione
Assessment methods	Oral examination
Further information	Oral examination
Sustainable development goals - Agenda 2030	$lbl_legenda_sviluppo_sostenibile